

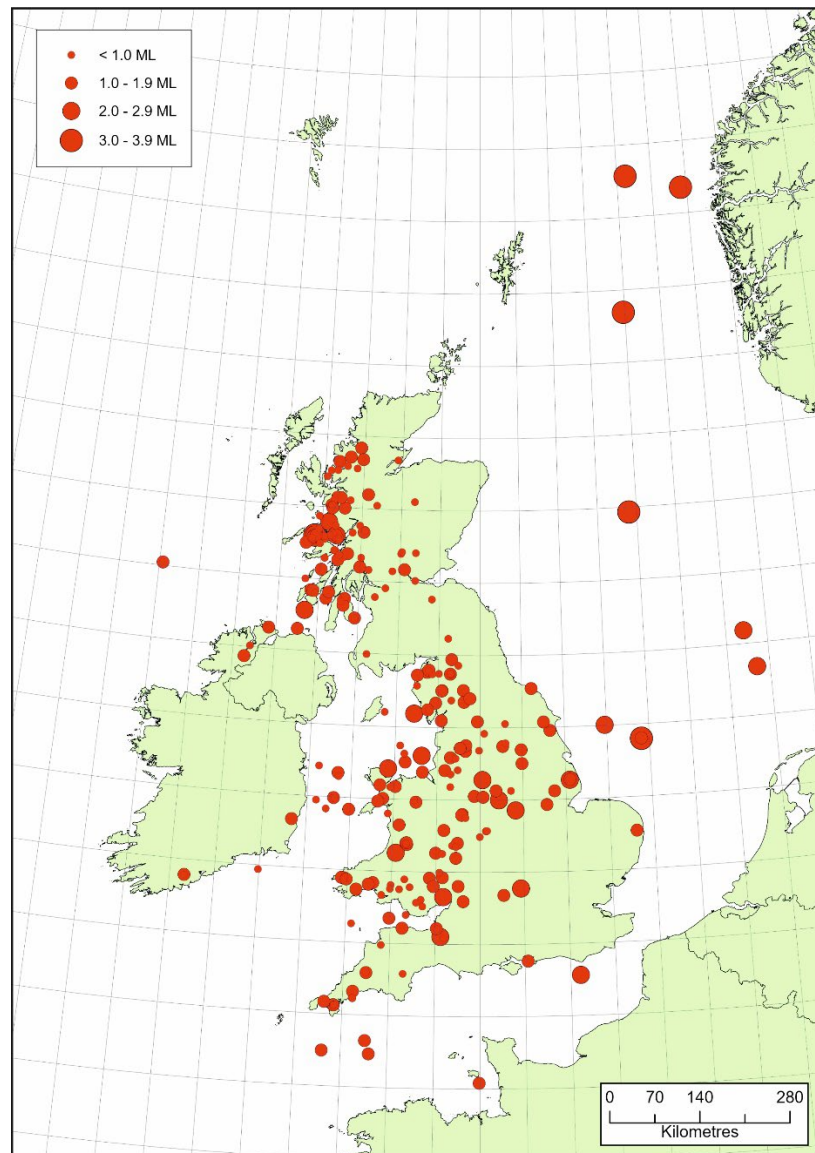
BRITISH GEOLOGICAL SURVEY

REPORT OR/25/016

The British Geological Survey Earthquake Bulletin for 2024

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1 Introduction

The British Geological Survey (BGS) through its National Earthquake Information Service operates 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 natural earthquakes detected and located by the BGS during 2024, listed in Tables 1 and 2. Maps showing seismic activity in 2024 (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 ($12^{\circ}W$ to $6^{\circ}E$ and $49^{\circ}N$ to $64^{\circ}N$).

All events believed to be of tectonic origin are included. Acoustic disturbances, such as sonic booms from supersonic aircraft, are included when they are felt. The airborne waves are readily identified by their slow travel time across an array but they are frequently mistaken as small earthquakes by the public. They are indicated by 'SONIC' in the locality column of Table 1.

Significant non-natural events, such as induced events and explosions, 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 74 (65 permanent and 9 temporary) stations with broadband and strong motion accelerometers. Of the permanent sites, some 61 are equipped with broadband seismometers and 29 have strong motion accelerometers, 25 of which are co-located with broadband sensors. Data from all stations are transferred in near real-time to the BGS offices in Edinburgh for automatic processing, analysis and archiving. Seismic events are detected using automatic processing algorithms, but they can also be extracted manually from the archive of continuous data, then analysed to determine event types, locations and magnitudes. Operational BGS seismograph stations are shown in Figure 2.

The detection capabilities of a network depend upon station distribution, instrument sensitivity and background noise levels. Figure 2 also shows the magnitude detection thresholds for the seismograph stations operational during 2024. The contours show earthquake magnitudes (ML) that can be detected. Signal amplitudes must exceed the background noise level by a factor of two at four or more stations. A noise amplitude of 10 nm (high noise) is assumed for all stations. These detection levels hold true only if all stations are operational and that noise levels do not change. 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.

In average noise conditions (4 nm) we expect the network to detect all events with a magnitude of approximately 1.5 ML and above. 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, 0.5 ML should be added to the contour values, causing the threshold to rise to about 2.0 ML . Normally, however, an earthquake of this size would be felt, if not detected, in the areas of poorer instrumental coverage. Therefore, we expect the

bulletin to contain all earthquakes of magnitude 2.0 ML and above during periods where all stations were operational and noise levels did not exceed a threshold of 10 nm.

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 above, in the period 1979 to 2024. The data set is considered complete for these magnitudes in all localities onshore. Seismicity for the period 1970 to 2024 is shown in Figure 4 with a threshold magnitude of 3.5 ML. In the time period from 1970 to 1979, the only seismic monitoring instrumentation was the network around Edinburgh (LOWNET) and Eskdalemuir (ESK) and a station near Kyle of Lochalsh (KYL). As a result, the data set is only likely to be complete for magnitudes of 3.5 ML and above.

3 Earthquake Parameters and Their Errors

HYPOCENTRE LOCATION

By accurately measuring the arrival times of at least four seismic phases 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 error 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 an earthquake on people, structures and objects. It decreases with distance from a maximum value ($I_{\max}$) usually found close to the epicentre. The maximum felt intensity is quoted, where known, with reference to the European Macroseismic Scale (EMS), (Grünthal, 1998).

FOCAL MECHANISM

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

4 Summary of 2024 Seismicity

There were 275 earthquakes detected by the BGS seismic monitoring network during the year, with 25 having magnitudes of 2.0 ML or above and six having magnitudes of 3.0 ML or above. Ten events with a magnitude of 2.0 ML or above were reported felt, together with a further thirteen smaller ones, giving a total of 23 felt earthquakes in 2024.

The largest onshore earthquake in 2024, with a magnitude of 3.3 ML and a focal depth of around 7 km, occurred at 19:30 UTC on 29 January with an epicentre on the Isle of Mull, Argyll & Bute, approximately 7 km WSW of Tobermory, the main settlement on the island (Figure 5). The BGS received over 120 reports, via online macroseismic questionnaires, of the earthquake being felt or heard by residents on the Isle of Mull, on the surrounding islands and on the mainland, mainly from within around 50 km of the epicentre. The reports described, “the whole house creaked”, “all the windows and doors rattled”, “the sofa seemed to vibrate”, “it was like a large explosion nearby” and “thought someone had crashed into the house”. An intensity of 5 EMS was assigned for this event (Figure 6). Six other events, with magnitudes ranging between 1.0 ML and 2.4 ML, occurred on the island between 19:29 UTC and 19:41 UTC the same day. A magnitude 2.4 ML event occurred at 19:29 UTC and a magnitude 1.9 ML event occurred at 19:33 UTC with both events being felt on Mull and on the Ardnamurchan peninsula, with intensities of 4 EMS and 3 EMS, respectively. The magnitude 3.3 ML event is the largest in the region, within 20 km, since a similar sized magnitude 3.3 ML Mull earthquake on 11 March 1877, which was felt on Mull, Coll and Tiree with a maximum intensity of around 4-5 EMS.

The largest offshore earthquake of the year, with a magnitude of 3.9 ML and a focal depth of around 13 km occurred on 16 January at 05:40 UTC with an epicentre in the Norwegian Sea, approximately 50 km offshore Norway, 135 km NNW of Bergen, Norway and 300 km northeast of Lerwick, Shetland Islands (Figure 7). It was reported felt in several places in western Norway with a maximum intensity of 3 EMS. A further eight earthquakes occurred in the Norwegian/North Sea areas during the year, with magnitudes between 1.9 ML and 3.2 ML. None were reported felt.

At 17:30 UTC on 2 January an earthquake, with a magnitude of 2.5 ML and a focal depth of around 3 km, occurred near the market town of Buxton, Derbyshire (Figure 8). The BGS received several reports, via online macroseismic questionnaires, of the earthquake being felt in Buxton, Dove Holes and King Sterndale, Derbyshire. Reports described, “the floor shook”, “everything seemed to rumble for a few seconds” and “felt a weak shaking”. A maximum intensity of 4 EMS was assigned for this event. This event locates around 25 km WNW of the magnitude 5.0 ML Midlands earthquake on 26 February 1575, which was felt throughout most of the Midlands and caused minor damage in a number of places in Derbyshire and Yorkshire.

An earthquake, with a magnitude of 2.9 ML, occurred at 13:53 UTC on 18 January in the English Channel, approximately 25 km SSW of Eastbourne, East Sussex (Figure 9). Two other offshore earthquakes occurred in the English Channel region during the year, with magnitudes of 1.4 ML and 1.5 ML. None of the three were reported felt. This is an area that has experienced little seismicity in both the historical and instrumental periods, with only one event located within a 50 km radius of this event.

Seven earthquakes, two of which were felt by local residents, were detected on 28 January near the village of Constantine, Cornwall with magnitudes ranging between 0.1 ML and 1.6 ML. The two largest occurred at 00:06 UTC (magnitude 1.6 ML) and 00:37 UTC (magnitude 1.3 ML) and were both reported felt. The magnitude 1.6 ML event was felt in Constantine, Helston, Long Downs and Carnmenellis and the magnitude 1.3 ML event was felt in Constantine and Helston. Reports for both described, “a faint rumbling”, “heard a distant rumbling like thunder” and “it was like a distant artillery explosion”. A maximum intensity of 3 EMS was assigned for both events.

An earthquake, with a magnitude of 2.3 ML and a focal depth of around 8 km, occurred at 14:24 UTC on 29 January on the Moidart peninsula, Highland. The BGS received some 24 reports, via online macroseismic questionnaires, of the earthquake being felt in Genuig, Ardnamurchan, Kilchoan, Kentra, Mingarry, Acharacle and Kinlochmoidart, Highland. Reports described, “glass ornament hanging on the wall rattled against the wall”, “rumble felt through sofa”, “no rumble coming towards house just sounded like an explosion nearby” and “vibration felt through concrete floor”. A maximum intensity of 4 EMS was assigned for this event. It locates within 5 km of the magnitude 4.0 ML Moidart earthquake on 4 August 2017 which was felt widely across the region, from Inverness to the northeast, to Glasgow in the south and Islay to the west with a maximum intensity of 5 EMS. Historically, the largest earthquake to have occurred on the peninsula was the magnitude 3.6 ML Moidart event that occurred on 14 October 1902 and was widely felt across the region, with a maximum intensity of 5 EMS, and caused slight damage in Shiel Bridge.

An earthquake, with a magnitude of 2.8 ML and a focal depth of around 8 km, occurred at 18:34 UTC on 1 February with an epicentre on the Morvern peninsula, Highland, approximately 12 km northeast of Lochaline, the main village on the peninsula (Figure 10). It was reported felt by residents in Acharacle and Strontian, Highland and in Port Appin, Argyll & Bute. The reports described, “a loud rumbling sound”, “felt a weak trembling” and “felt like a lorry was driving into the house”. An intensity of 3 EMS was assigned for this event. This is the largest event in the area, within 10 km of the epicentre, since the magnitude 4.3 ML Oban earthquake on 23 December 1925, which was felt as far north as Inverness and Speyside and as far south as Paisley with a maximum intensity of around 5 EMS. Historically, the largest earthquakes to have occurred on the peninsula were the magnitude 2.9 ML and 3.2 ML Strontian events that occurred on 31 January and 1 February 1809, respectively. Minor damage to plaster was reported for both these events, indicating a maximum intensity of between 5 and 6 EMS. A further eight events occurred on the Morvern peninsula during the year with magnitudes ranging between 0.7 ML and 1.5 ML.

At 00:00:48s UTC on 8 February an earthquake, with a magnitude of 1.5 ML and a focal depth of around 12 km, occurred approximately 6 km east of the town of Bethesda, Gwynedd. It was reported felt by residents in Bethesda, Tregarth, Llanberis, Cym-Y-Glo, Talysarn, Rhostryfan and Pentraeth, Gwynedd. Reports described, “a roar like a strong wind”, “slight rumble for just a few seconds” and “our open wardrobe door moved”. A maximum intensity of 3 EMS was assigned

for this event. Historically, the largest earthquake to have occurred nearby, within 25 km, was the magnitude 4.7 ML Caernarvon event that occurred on 12 December 1940 which was felt as far away as Liverpool and Aberystwyth. The death of an elderly woman in Criccieth, Gwynedd was caused as a result of the earthquake (she fell downstairs) and is the most recent earthquake related death in the UK.

At 06:51 UTC on 18 February an earthquake, with a magnitude of 2.2 ML and a focal depth of around 6 km, occurred near the village of Middlezoy on the Somerset Levels, Somerset. It was not reported felt. This earthquake is the largest in the region since the four Bridgwater events, with magnitudes between 2.7 ML and 3.1 ML, which occurred on 29 January 2004 and were felt throughout Taunton, Wedmore, Ilminster and surrounding areas with intensities of between 3 EMS and 4 EMS.

An earthquake, with a magnitude of 1.8 ML and a focal depth of around 3 km, occurred at 15:19 UTC on 7 March approximately 5 km west of Matlock, the county town of Derbyshire. It was reported felt by several residents in Winster, Derbyshire, a small village around 1-2 km from the epicentre. Reports described, “felt a moderate rumbling”, “heard a loud roaring sound” and “all the doors and windows rattled”. An intensity of 3 EMS was assigned for this event. This event locates approximately 4 km north of the magnitude 4.7 ML Derby earthquake, on 6 October 1683, which was felt strongly throughout the Midlands with intensities of around 5 EMS.

At 14:49 UTC on 13 March, an earthquake with a magnitude of 2.0 ML and a depth of around 17 km, occurred near the village of Swaby, Lincolnshire. It was not reported felt. It locates approximately 30 km southeast of the magnitude 5.2 ML Market Rasen event on 27 February 2008, which was widely felt (with a maximum intensity of 6 EMS) across England and Wales and caused damage to chimneys and masonry over a widespread area.

A magnitude 1.8 ML earthquake, with a focal depth of around 10 km, occurred at 04:28 UTC on 22 March with an epicentre approximately 4 km WSW of the village of Kirkby-in Furness (generally referred to as Kirkby). It was reported felt by residents in Ulverston and Broughton Beck. Reports described, “a deep rumbling for about 2-3 seconds”, “felt a weak trembling” and “the windows in my bedroom seemed to shake”. A maximum intensity of 3 EMS was assigned for this event. This earthquake locates approximately 20 km northwest of the magnitude 3.7 ML Ulverston event on 28 April 2009 and 20 km SSW of the magnitude 3.5 ML Coniston event on 21 December 2010, which were both felt throughout the region with maximum intensities of 5 EMS.

Near the town of Belper in the Amber Valley district of Derbyshire, an earthquake, with a magnitude of 2.5 ML and a focal depth of 8 km, occurred at 01:42 UTC on 19 April (Figure 11). It was reported felt by residents in Matlock, Derby, Mickleover and Repton (Derbyshire), Belton (Leicestershire) and Watnall (Nottinghamshire), all within approximately 30 km of the epicentre. The reports described, “felt a weak trembling”, “heard a moderate rumbling sound”, “felt it more than heard it” and “the bed jerked”. A maximum intensity of 3 EMS was assigned for this event. This is the largest event to occur in the region, within 20 km, since a magnitude 3.3 ML Mansfield earthquake on 4 April 1924, which was felt over an area of around 3,200 km², roughly between Sheffield and Nottingham, with a maximum intensity of 5 EMS.

An earthquake, with a magnitude of 2.3 ML and a focal depth of around 5 km, occurred at 09:09 UTC on 22 April near the market town of Tregaron, Ceredigion. It was reported felt by a few residents in Ystrad Meurig and another in Aberystwyth, who reported, “felt a weak trembling”, “the water in my water bottle visibly trembled”, “radio aerial, touching the mirror, rattled” and “loud rumbling like a very heavy vehicle went down the road”. A maximum intensity of 3 EMS was assigned for this event.

At 01:42 UTC on 27 April, an earthquake with a magnitude of 1.7 ML and a depth of around 7 km, occurred approximately 10 km south of Jersey, Channel Islands. It was reported felt in the Jersey parishes of St Helier and St Peter. Reports described, “rumble like distant thunder” and “just a loud noise sounding from outside, almost like a car door slamming”. A maximum intensity

of 3 EMS was assigned for this event. It locates around 10 km southeast of the magnitude 3.5 ML St Aubins Bay earthquake on 30 April 1990, which was felt throughout the Channel Islands with a maximum intensity of 5 EMS.

During the year some 16 earthquakes, with magnitudes between 0.2 ML and 2.6 ML and focal depths between 3 km and 12 km, occurred in the Irish Sea, one of which was reported as felt. It occurred at 15:26 UTC on 21 July, with a magnitude 2.0 ML, a focal depth of some 10 km and a location around 13 km east of Amlwch, Anglesey. It was reported felt in Llangefni and Gaerwen, Anglesey and also in Cym-Y-Glo, Caernarfon. Reports described, “felt and heard a low frequency rumble, like a military jet in the distance” and “we all felt what seemed like a deep rumble”. A maximum intensity of 3 EMS was assigned for this event. The largest (magnitude 2.6 ML), which was not reported felt, occurred at 11:12 UTC on 10 September, with an epicentre around 20 km west of Millom, Cumbria (Figure 12).

At 00:33 UTC on 2 September, an earthquake with a small magnitude of 1.4 ML and a depth of around 7 km, occurred near the village of Llangaffo, Anglesey. It was reported felt by a single household near Niwbwrch, a village around 2 km from the epicentre. The report described, “a slight shaking and a faint rumbling”. An intensity of 2 EMS was assigned for this event.

An earthquake, with a magnitude of 2.1 ML and a focal depth of around 24 km, occurred at 23:23 UTC on 9 September with a location near the hamlet of Wentwood, Gwent, some 12 km northeast of the city of Newport. It was not reported felt. It locates approximately 20 km west of the magnitude 4.1 ML Newport earthquake, on 25 February 1974, which was felt with intensities of at least 5 EMS and caused slight damage in Newport and Llantarnam.

At 03:21 UTC on 1 October, an earthquake with a magnitude of 2.1 ML and a focal depth of around 9 km, occurred 2 km offshore the Island of Islay, Argyll & Bute, approximately 11 km southwest of Port Ellen. A further three events were detected on or near the island during the year, on 14 February, on 22 July and on 2 October, with magnitudes of 1.2 ML, 0.6 ML and 1.1 ML, respectively. None were reported felt.

Near the village of Worminghall, Buckinghamshire, an earthquake with a magnitude of 2.2 ML and a focal depth of around 3 km, occurred at 13:13 UTC on 10 November. It was not reported felt. This is the largest event detected in the area, within 25, since the magnitude 2.3 ML Thame, Oxfordshire earthquake on 6 March 2016, which was felt in the villages of Chinnor and Watlington (Oxfordshire) and Bledlow, Bledlow Ridge, Princes Risborough, Monks Risborough and Aylesbury (Buckinghamshire) with a maximum intensity of 3 EMS. Historically, the largest event to have occurred in this area was the magnitude 3.4 ML Oxford earthquake on 6 November 1764, which was felt in Oxfordshire, Berkshire, Hampshire and Wiltshire, with a maximum intensity of 5 EMS.

An earthquake, with a magnitude of 2.2 ML and a focal depth of around 8 km, occurred at 23:55 UTC on 17 December with an epicentre near the village of Gotham, Nottinghamshire (Figure 13). It was reported felt by residents in Coalville, Newtown Linford, Loughborough and Markfield, all within approximately 20 km of the epicentre. The reports described, “felt a weak trembling”, “heard a faint rumbling sound”, “there was a sort of rumbling vibration”, “there was a mild roaring noise” and “felt like the bedroom wall shook”. A maximum intensity of 3 EMS was assigned for this event. It locates approximately 22 km west of the magnitude 4.1 ML Melton Mowbray earthquake, which occurred on 28 October 2001 and was felt throughout Leicestershire, Lincolnshire, Warwickshire, Yorkshire, Shropshire and Nottinghamshire with a maximum intensity of 5 EMS. It also locates approximately 11 km ENE of the magnitude 5.3 ML Derby earthquake which occurred on 11 February 1957 and caused widespread damage to chimneys and roofs in the Derby, Nottingham and Loughborough areas and was felt over the whole of the English Midlands with a maximum intensity of 6 EMS.

5 UK Seismicity Statistics

Figure 14 shows a histogram of mainland UK earthquakes above magnitude 2.0 detected each year in different magnitude ranges. This shows significant variation across the 54 years of modern instrumental monitoring. In the first few years of the 1970s, instrumental coverage across the UK was sparse and relatively few events were detected although more events were detected in the second half of the decade. The annual catalogues are thought to be complete at magnitude 3.5 ML or greater for 1970 to 1978, and for magnitude 2.5 ML and greater from 1979. Almost all of the earthquakes above 2.5 ML would be felt by people. Some of the peaks seen in Figure 14 have obvious explanations:

- In 1980, there was a continuing long aftershock sequence of the Carlisle earthquake of 26 December 1979 (4.7 ML). The largest two (both 3.8 ML) occurred in January and December 1980, the latter almost one year later than the mainshock. A local, temporary station was installed in a Longtown church three days after the mainshock, followed by three more distant stations in 1980.
- The largest instrumentally recorded earthquake onshore in the UK occurred on the Lleyn Peninsula, Gwynedd in 1984 (19 July) with a magnitude of 5.4 ML. A multi-station monitoring network was installed, shortly afterwards, across North Wales. The aftershock sequence continued for more than a year and confirmed that the activity was relatively deep for UK earthquakes, at around 20 km.
- The high peak in 2002 is dominated by an earthquake sequence near Manchester, which started on 19 October 2002 and continued until January 2003. Some 53 events above magnitude 2.0 ML were recorded and 37 were felt, the largest with a magnitude of 3.9 ML. Temporary stations were deployed to record the smaller events.
- The peak in 2014 is the result of an extended coal-mining induced series of earthquakes near New Ollerton, Nottinghamshire, which were studied with a temporary mobile network of monitoring stations. Some 65 events were felt, of which ten were magnitude 2.0 ML or greater.
- In 1974-75, there are clear peaks in earthquakes with magnitudes of 3.0 ML and greater during this period; around half of them were centered near Kintail, NW Scotland. There were few monitoring stations in the UK at this time, so it is not known whether they were accompanied by many or a few smaller magnitude events.
- The Bishop's Castle, Shropshire, earthquake in April 1990 (5.1 ML), the Market Rasen, Lincolnshire earthquake in February 2008 (5.2 ML) and the Cwmllynfell, Neath Port Talbot earthquake in February 2018 (4.6 ML) all showed very limited aftershock sequences despite being well monitored. The Bishop's Castle earthquake had seven aftershocks (all less than or equal to 1.5 ML and none felt), the Cwmllynfell earthquake also had seven aftershocks (all less than equal to 2.2 ML and none felt) and the Market Rasen earthquake had eleven aftershocks, with magnitudes between 0.6 ML and 2.8 ML, (the largest felt locally).
- The year 2016 is quite remarkable for producing the fewest earthquakes in the whole 54 year series, in all magnitude ranges above 2.0 ML, with a total of only three events in the 2.0 ML - 2.9 ML range and none above that.

Figure 15 shows the statistics for all earthquakes known to be felt from 1979 to 2024, including those below magnitude 2.0 ML. As might be expected, Figure 15 shows three of the same peaks as for the event occurrences seen in Figure 14: namely the 1984 Lleyn, 2002 Manchester and 2014 New Ollerton events. However, there were many events felt with magnitudes below 2.0 ML, and these were mainly related to coal mining.

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Ministry of Housing, Communities and Local Government
Magnox Ltd
EDF Energy
Sellafield Ltd
Scottish & Southern Energy plc
Scottish Power
Scottish Water
Natural Environment Research Council

Exchange of data with UK and European agencies, has contributed to the accuracy of location of some of these events and to the determination of their magnitudes. They include:

Atomic Weapons Establishment (Blacknest, UK)
Centre Seismologique Euro-Mediterranean (Bruyères-le-Châtel, France)
Dublin Institute for Advanced Studies (Dublin, Ireland)
Eden Geothermal Limited
China General Nuclear
Institute de Physique du Globe (Paris, France)
Koninklijk Nederlands Meteorologisch Instituut (Ae de Bilt, Netherlands)
Laboratoire de Detection et de Geophysique (Bruyères-le-Châtel, France)
NORSAR (Oslo, Norway)
Réseau National de Surveillance Sismique (Strasbourg, France)
Royal Observatory of Belgium (Brussels, Belgium)
University of Bergen (Bergen, Norway)
United Downs Deep Geothermal Project (UDDGP, UK)

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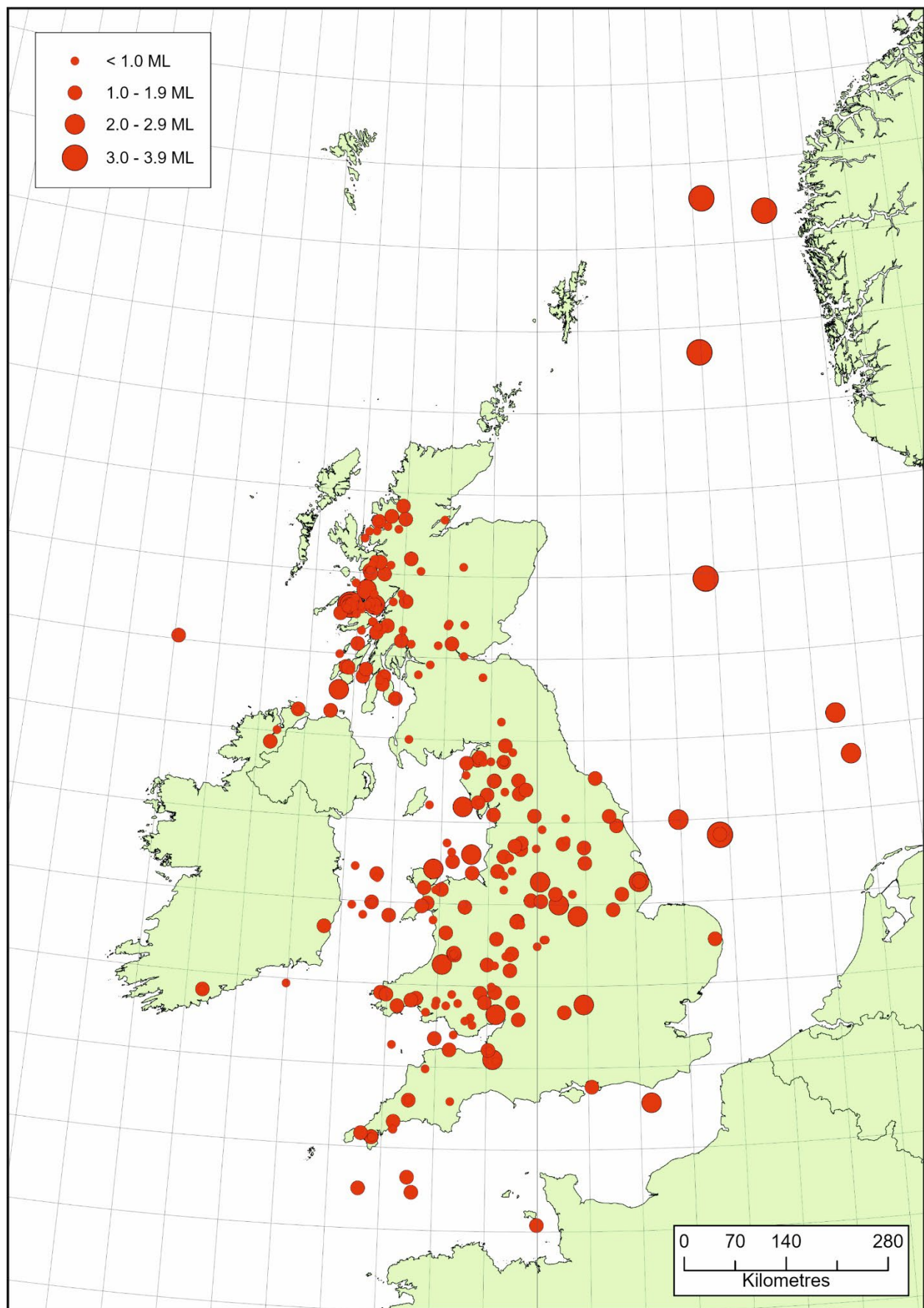


Figure 1. Epicentres of earthquakes in 2024 as listed in Table 1.

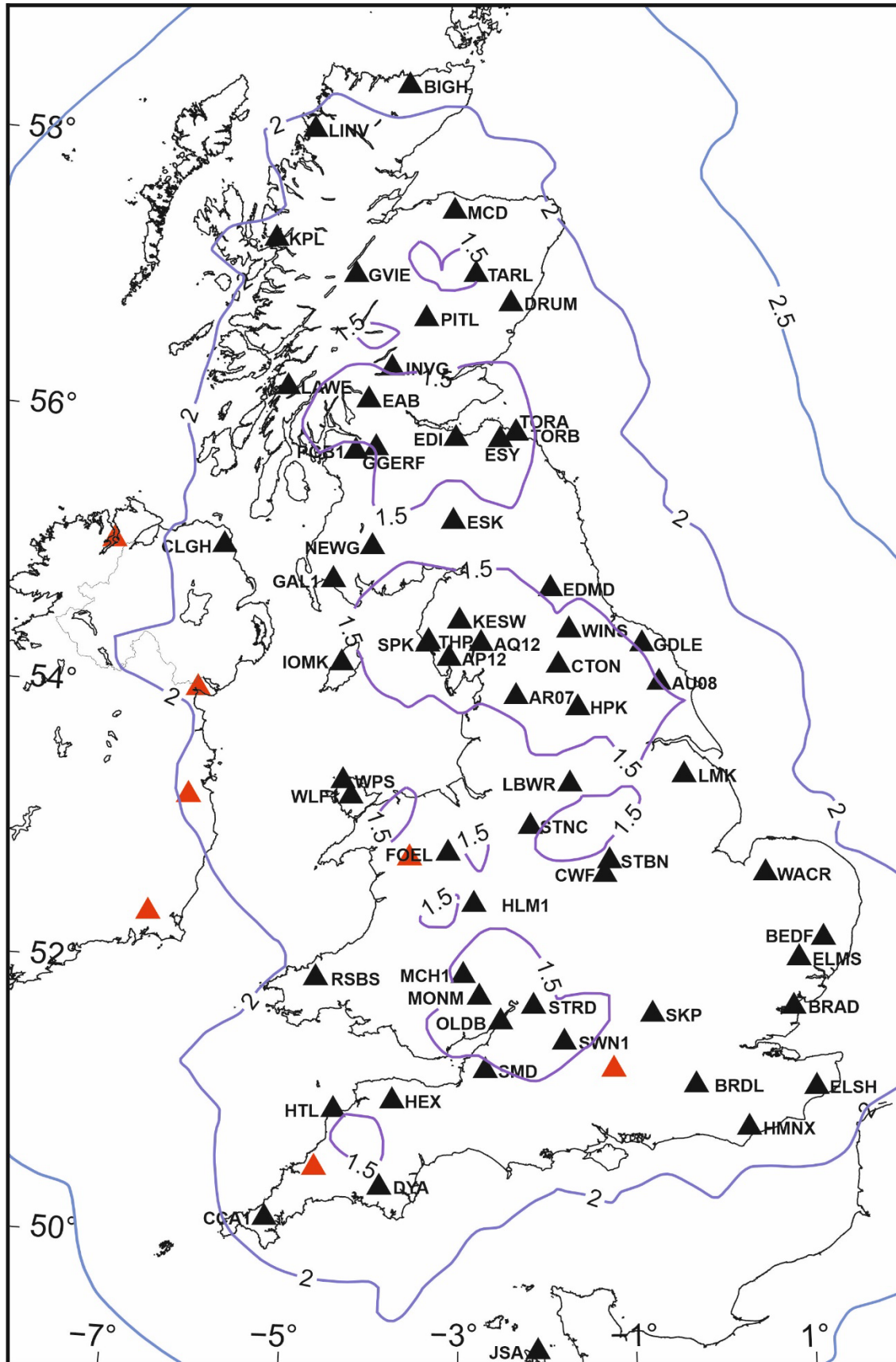


Figure 2. Detection capability of the network during 2024. The contours show earthquake magnitudes (ML) that can be detected. Signal amplitudes must exceed the background noise level by a factor of two at four or more stations. A noise amplitude of 10 nm (high noise) is assumed for all stations. Black triangles show stations operated by BGS. Red triangles show stations operated by partner agencies that are incorporated into our real time data acquisition and contribute to our detection and location capability.

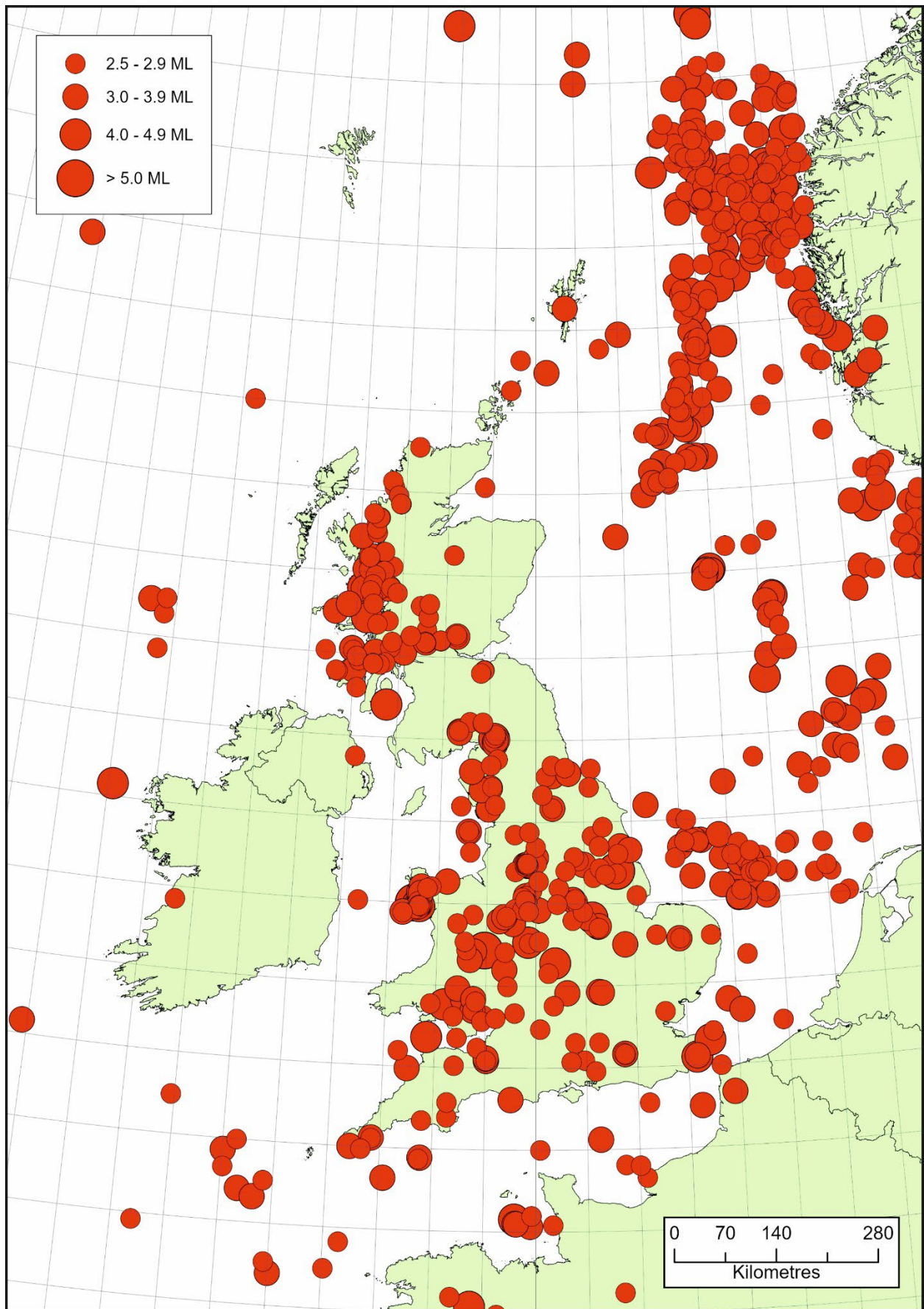


Figure 3. Epicentres of earthquakes with magnitudes of 2.5 ML and above, in the period 1979 to 2024.

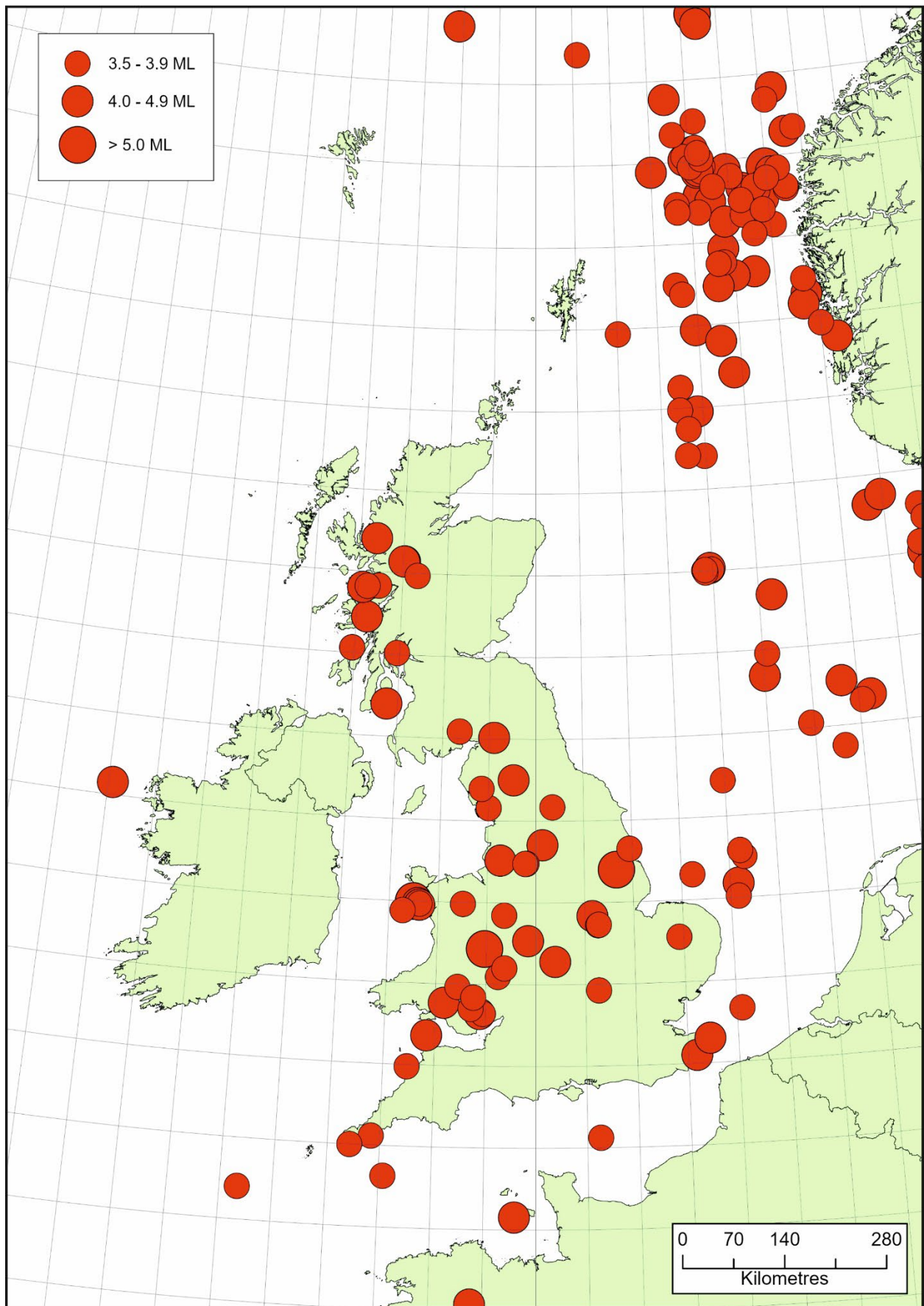


Figure 4. Epicentres of earthquakes with magnitudes of 3.5 ML and above, in the period 1970 to 2024.

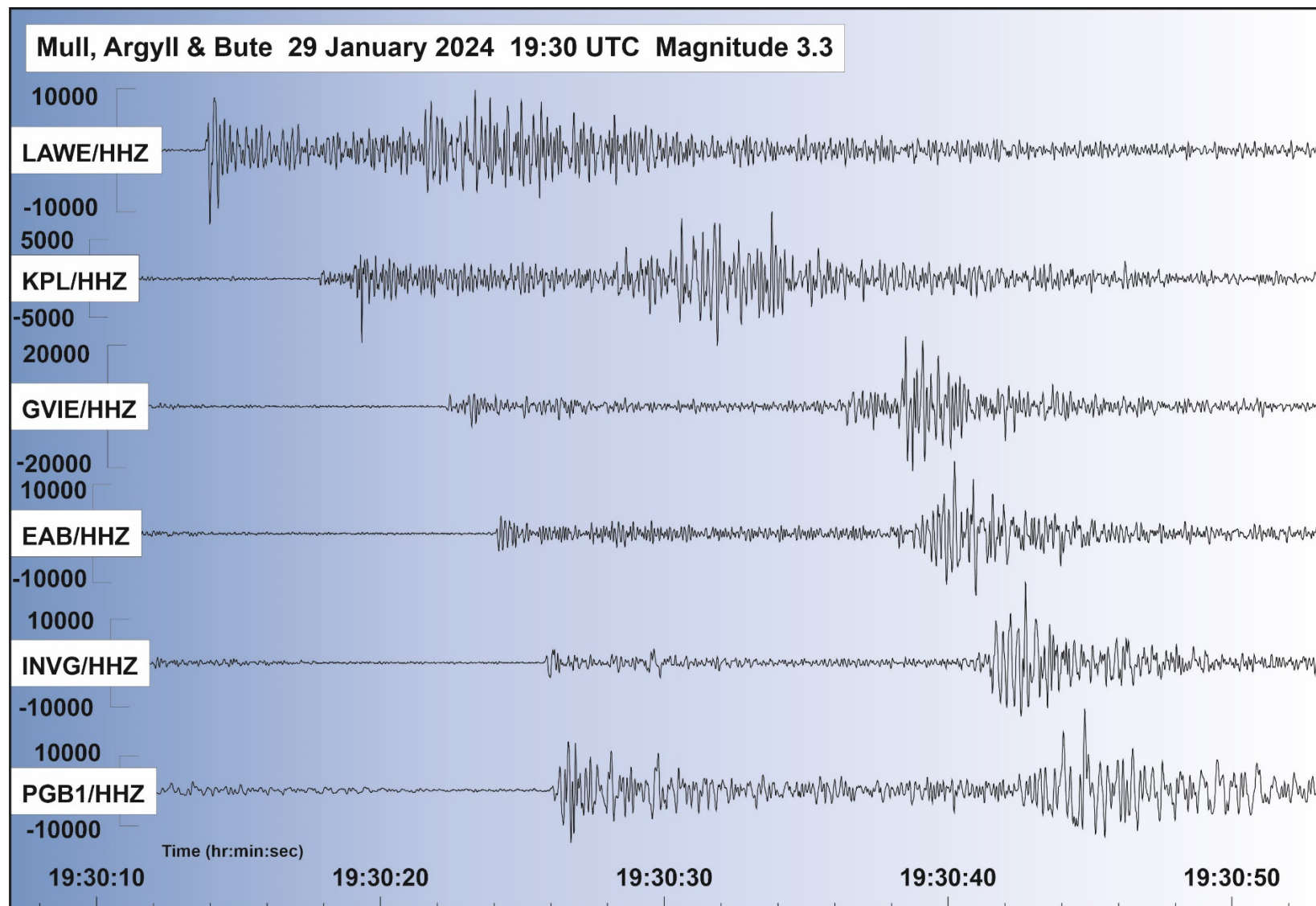


Figure 5. Seismograms of the ground displacements from the magnitude 3.3 ML Mull, Argyll & Bute earthquake, 29 January 2024, recorded by BGS seismograph stations.

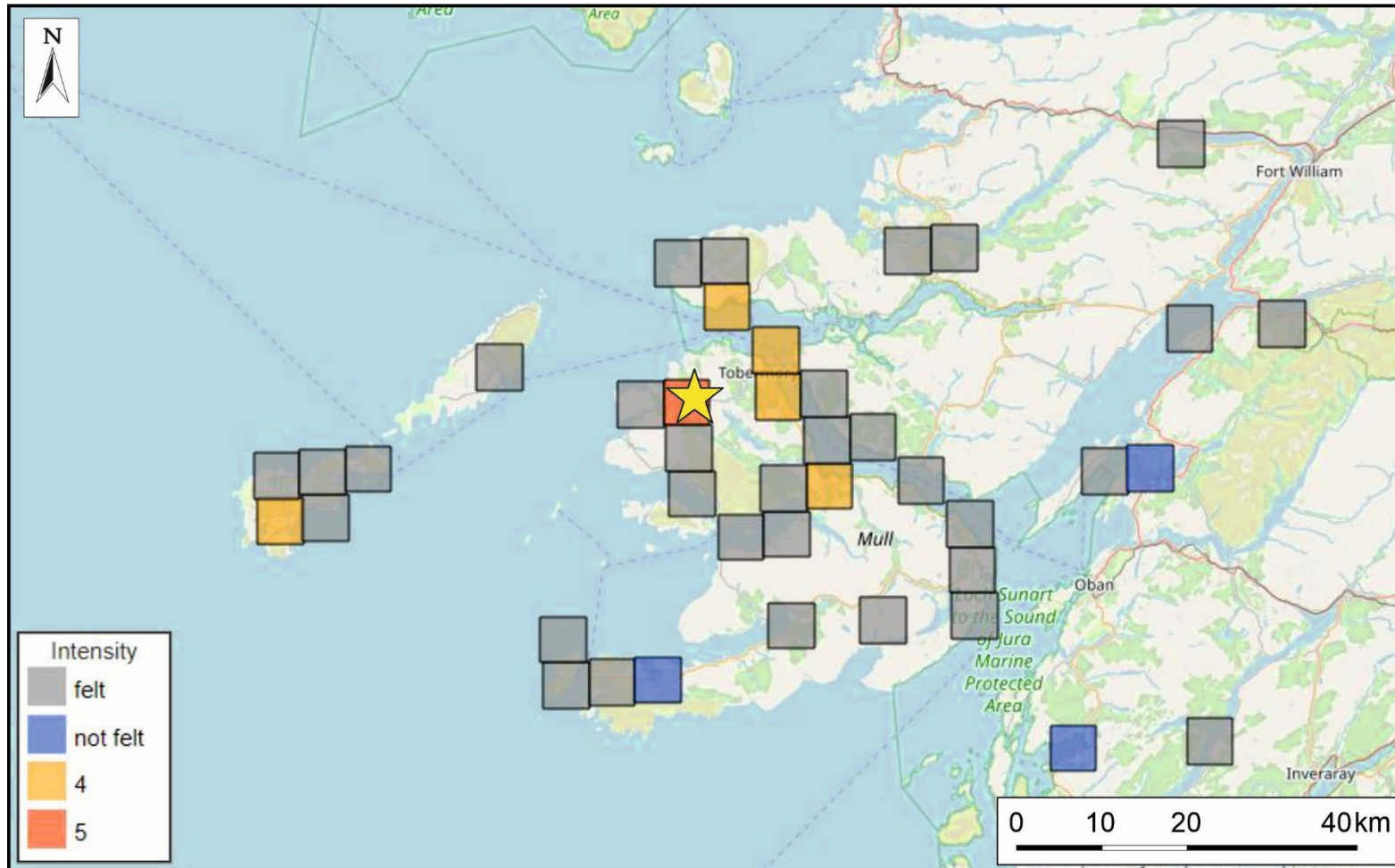


Figure 6. Macroseismic intensities (EMS) for the magnitude 3.3 ML Mull, Argyll & Bute earthquake on 29 January 2024. The yellow star shows the epicentre. Intensities are calculated in 5 km grid squares from over 120 reports from people who felt the earthquake. A minimum of five observations are needed in any grid square to calculate a value of intensity, otherwise the value is calculated as ‘Felt’ but no intensity is calculated (grey squares). Blue squares indicate that any reports from these locations suggested that the earthquake was ‘Not Felt’.

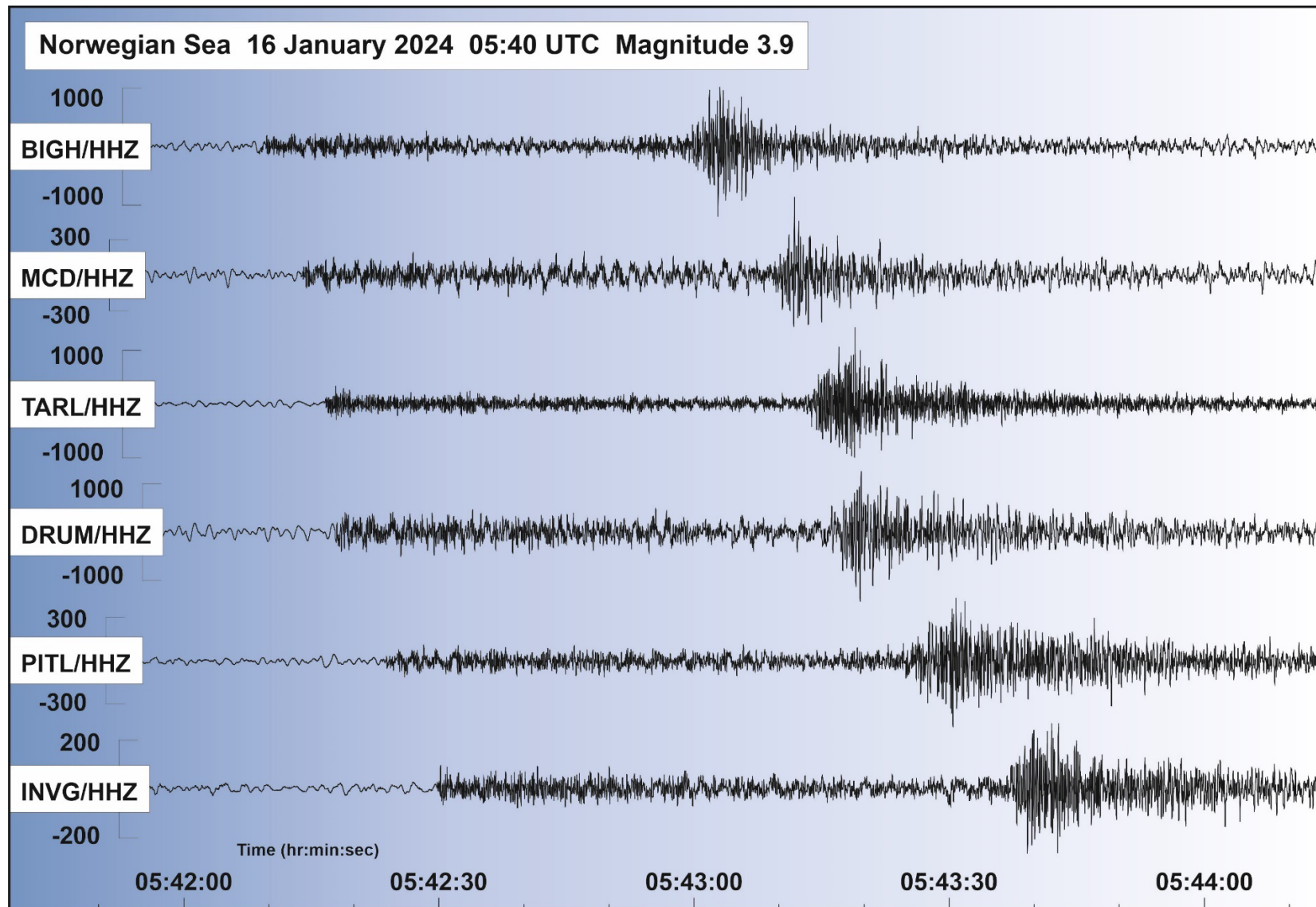


Figure 7. Seismograms of the ground displacements from the magnitude 3.9 ML Norwegian Sea earthquake, 16 January 2024, recorded by BGS seismograph stations.

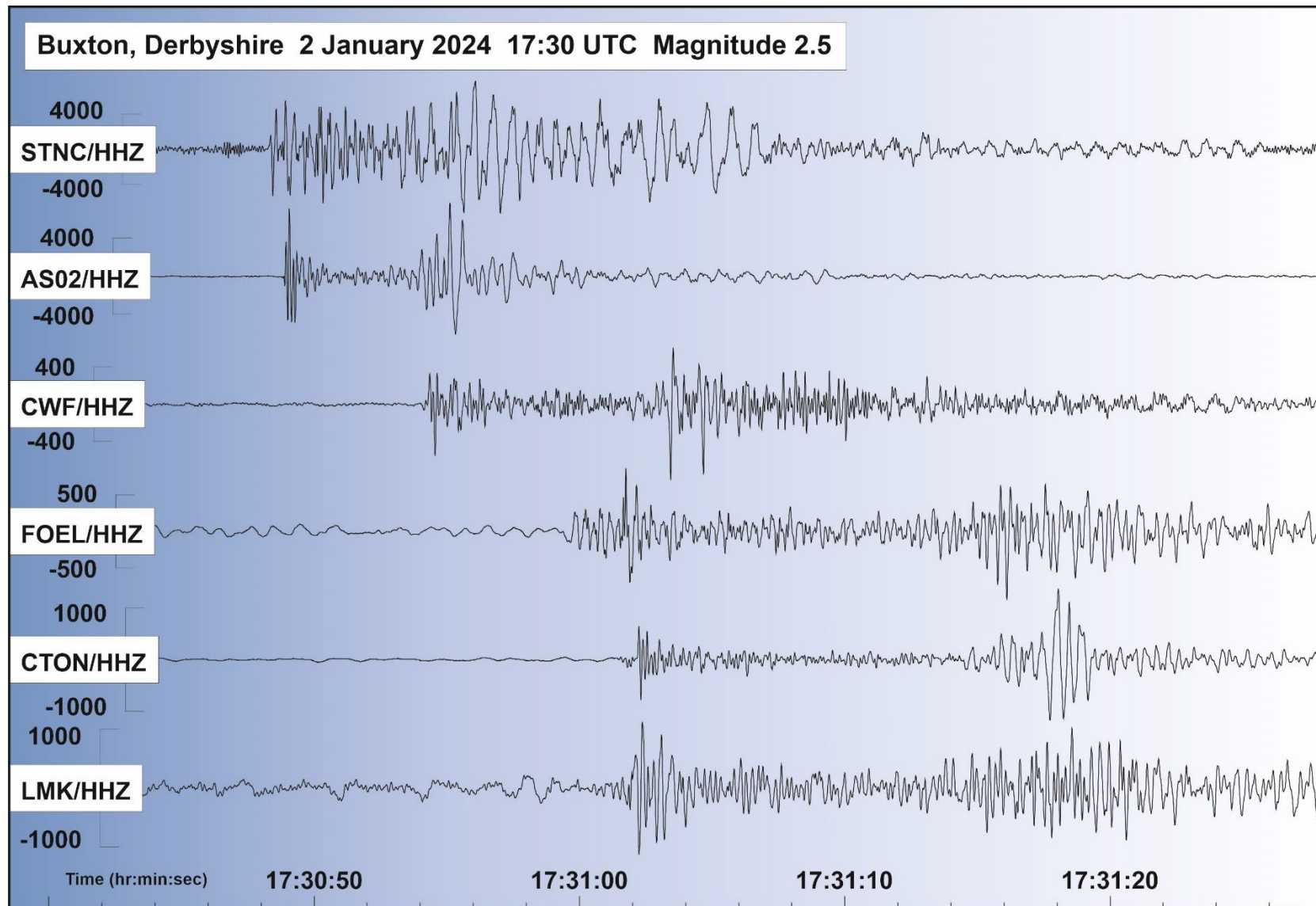


Figure 8. Seismograms of the ground displacements from the magnitude 2.5 ML Buxton, Derbyshire earthquake, 2 January 2024, recorded by BGS seismograph stations.

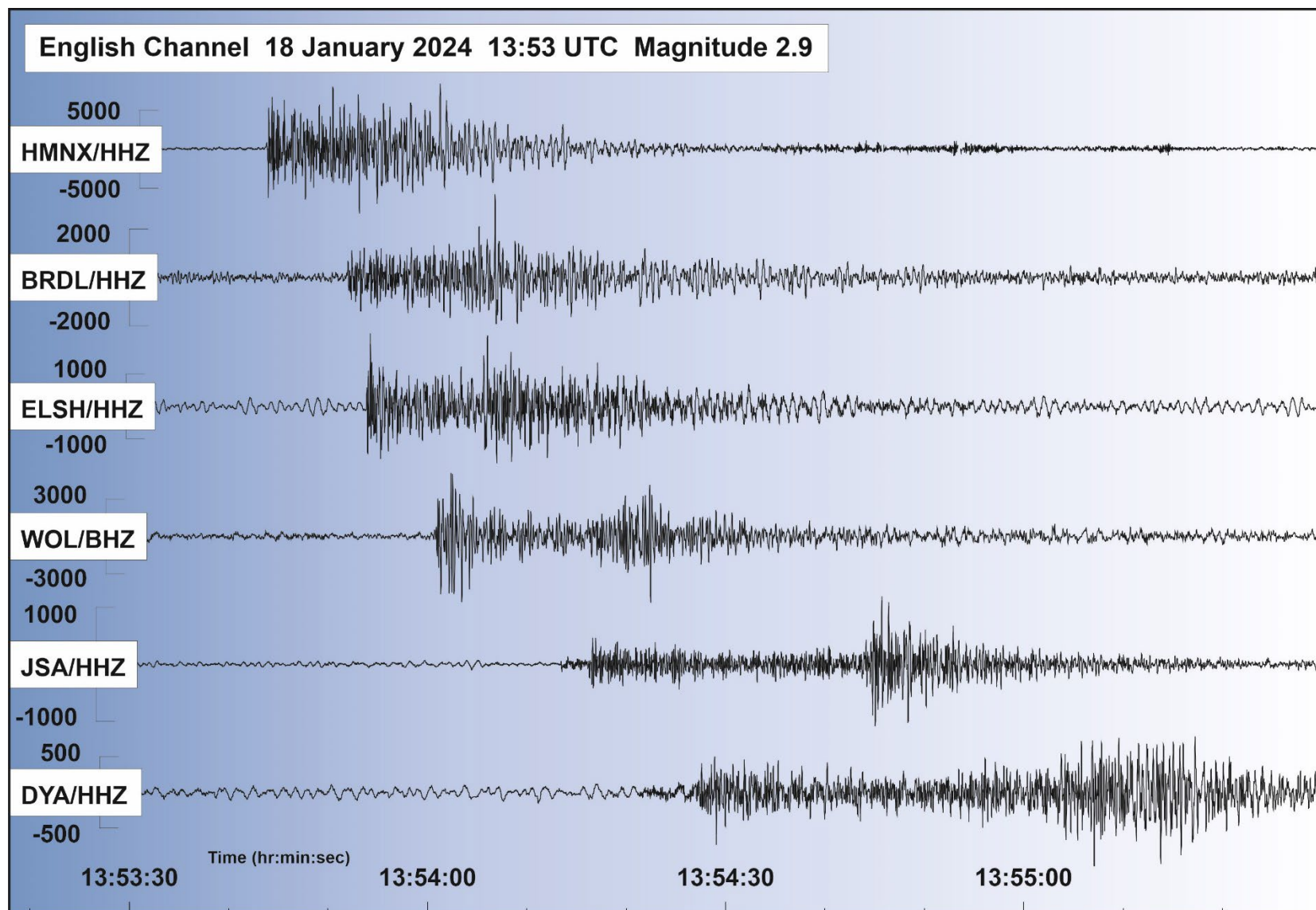


Figure 9. Seismograms of the ground displacements from the magnitude 2.9 ML English Channel earthquake, 18 January 2024, recorded by BGS seismograph stations.

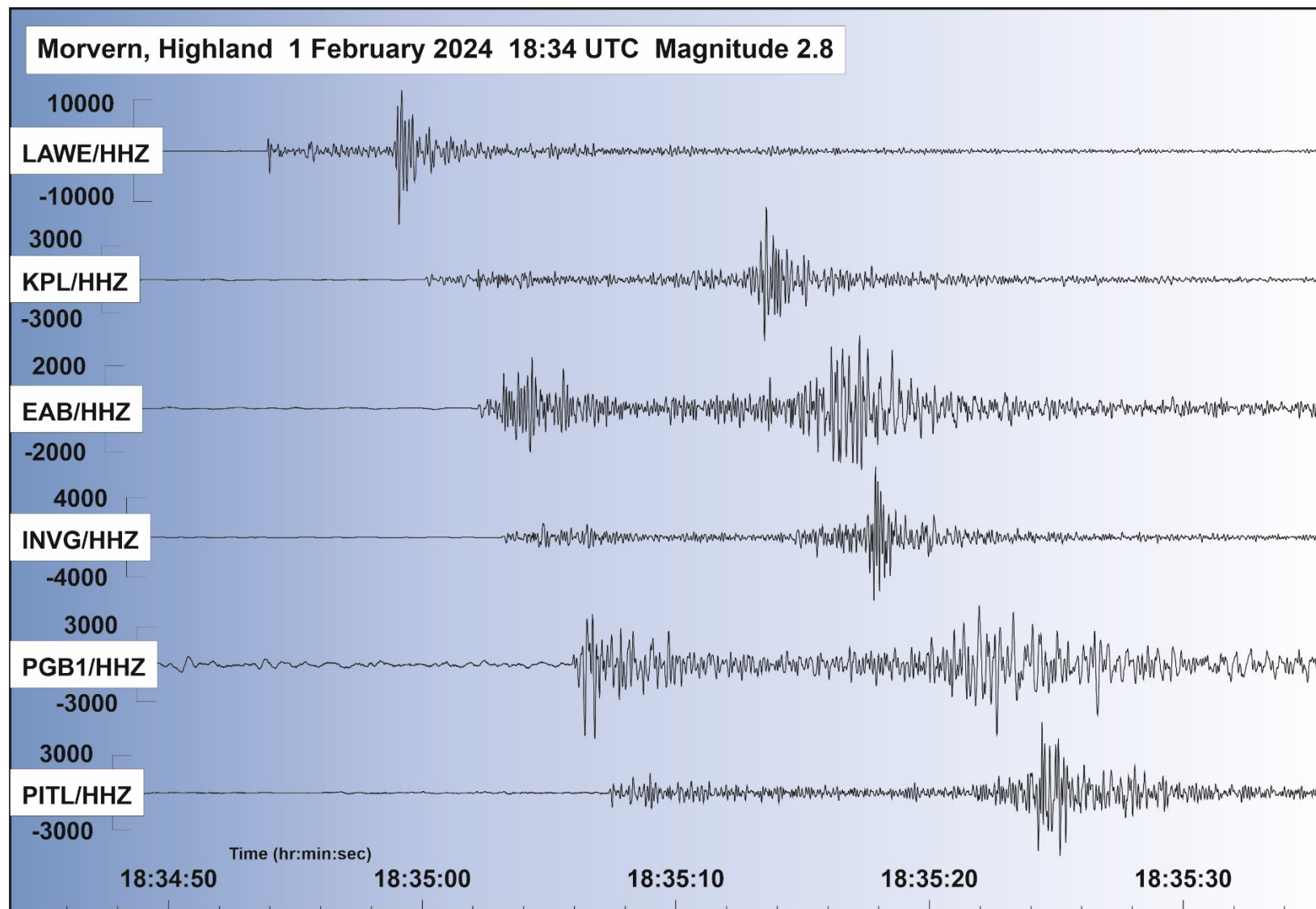


Figure 10. Seismograms of the ground displacements from the magnitude 2.8 ML Morvern, Highland earthquake, 1 February 2024, recorded by BGS seismograph stations.

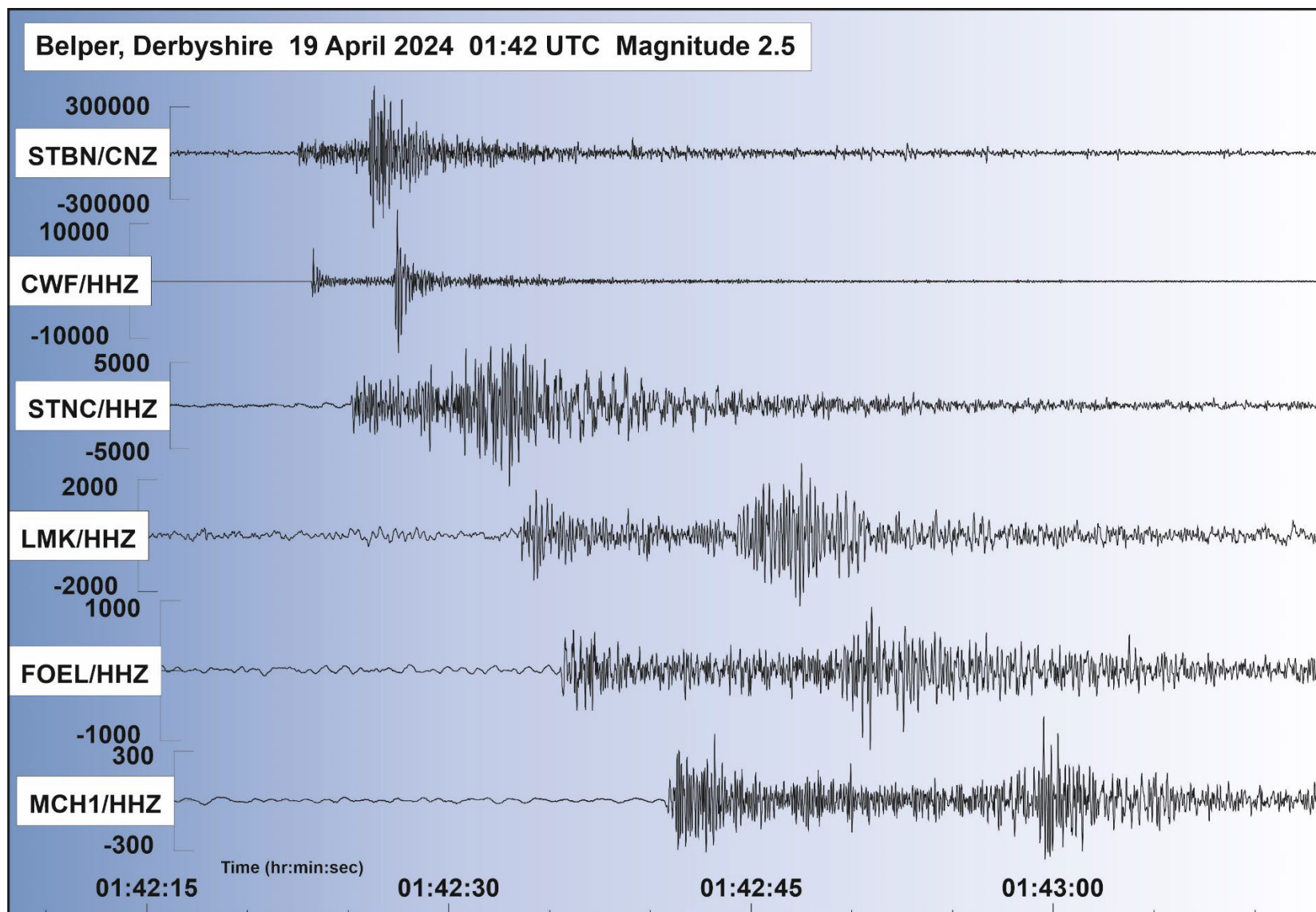


Figure 11. Seismograms of the ground displacements from the magnitude 2.5 ML Belper, Derbyshire earthquake, 19 April 2024, recorded by BGS seismograph stations.

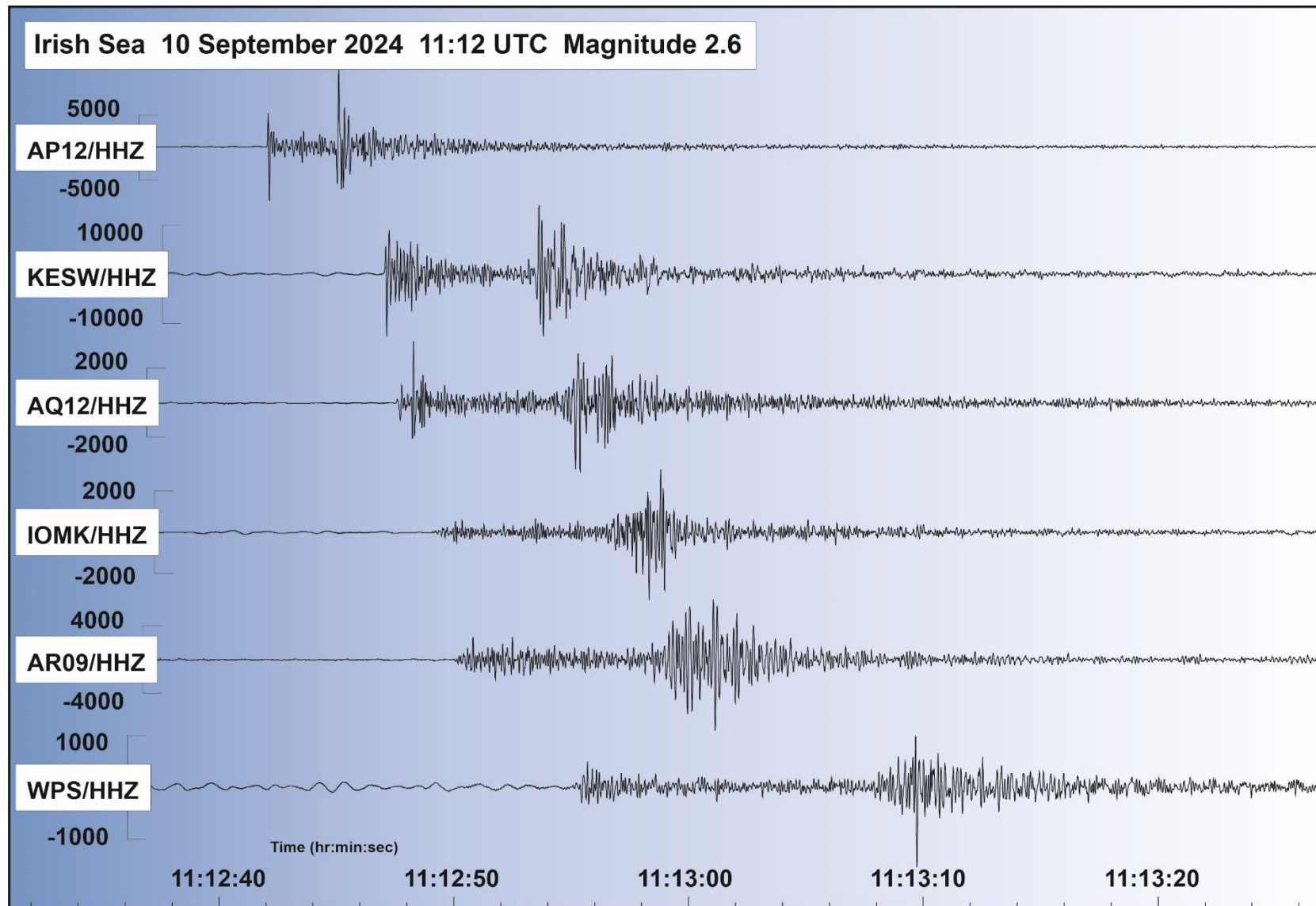


Figure 12. Seismograms of the ground displacements from the magnitude 2.6 ML Irish Sea earthquake, 10 September 2024, recorded by BGS seismograph stations.

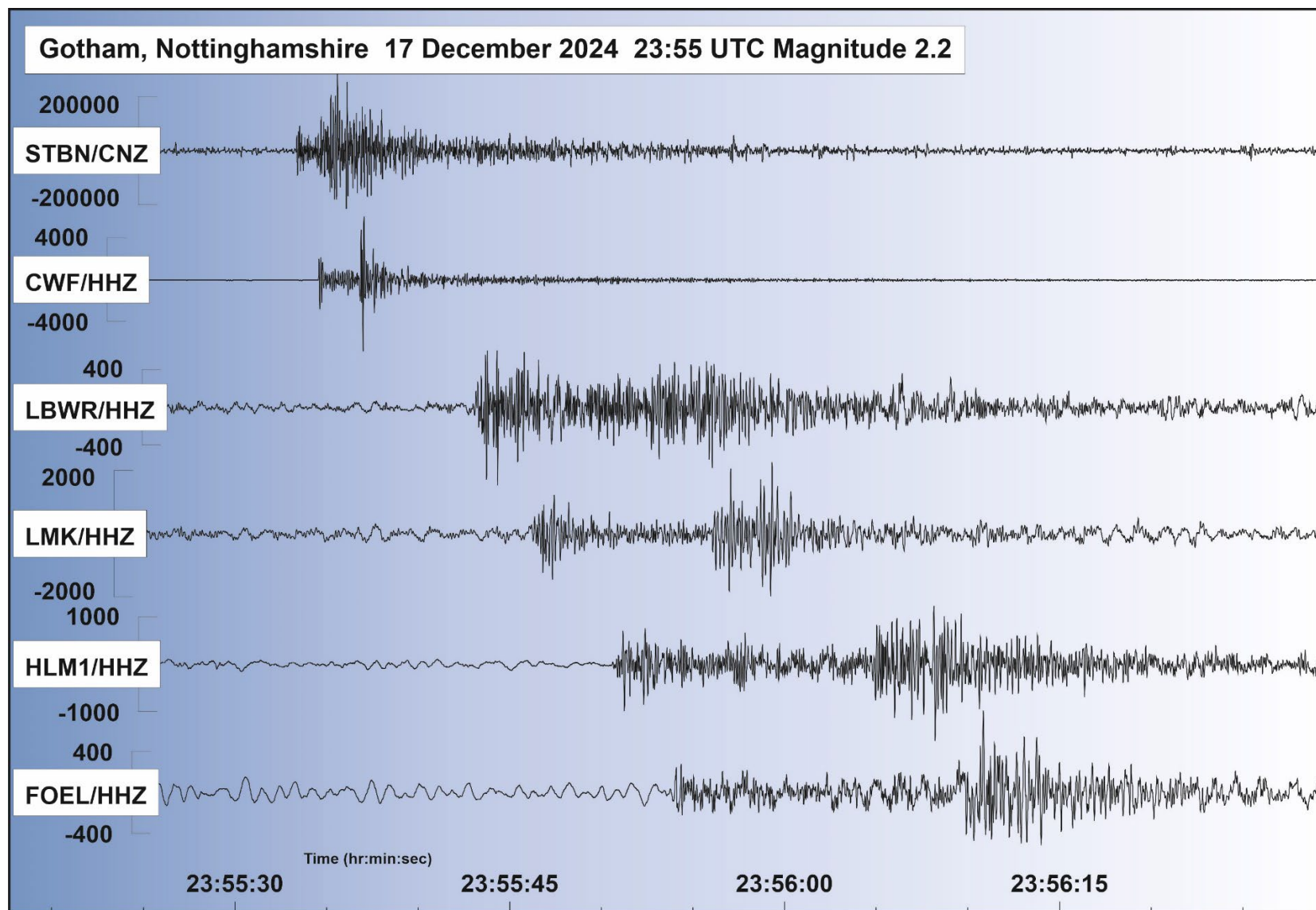


Figure 13. Seismograms of the ground displacements from the magnitude 2.6 ML Gotham, Nottinghamshire earthquake, 1 December 2024, recorded by BGS seismograph stations.

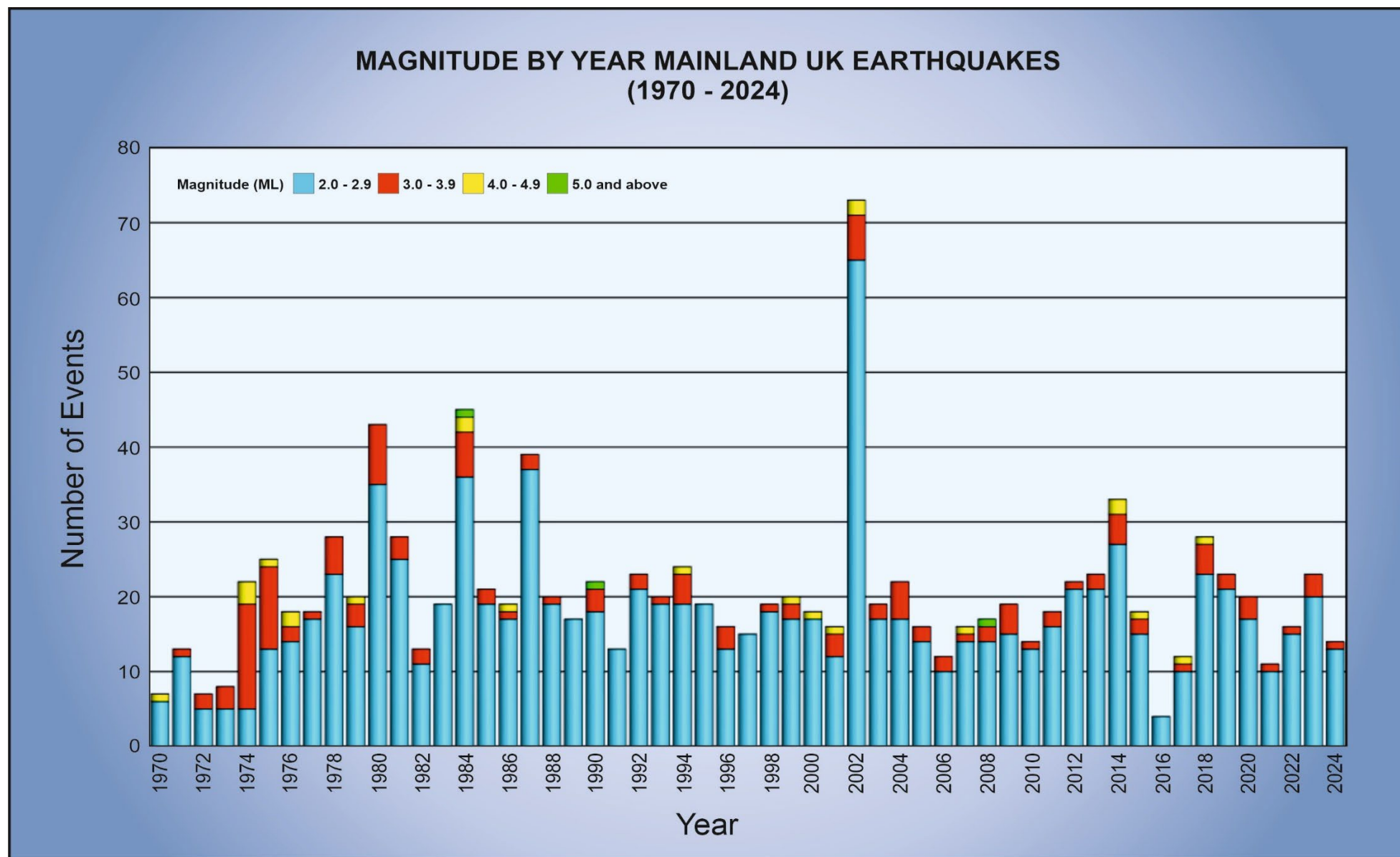


Figure 14. Histogram showing the number of mainland UK events, magnitude 2.0 ML or greater, detected 1970-2024.

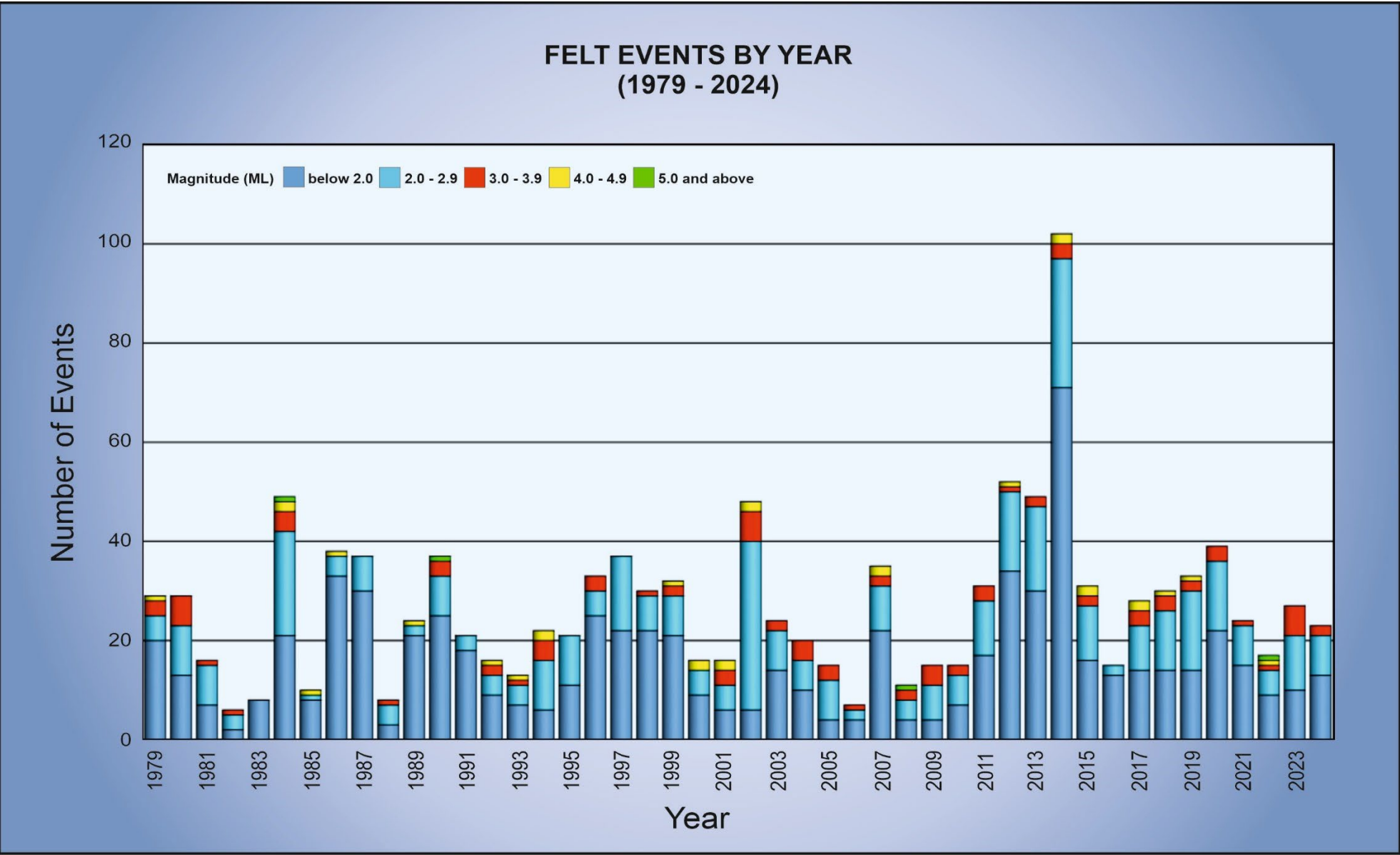


Figure 15. Histogram showing the number of felt events, 1979-2024.

TABLE 1 : CATALOGUE OF EVENTS : 2024

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20240101	165933.7	56.31	-5.44	187.5	718.8	2.7	0.7	CORRYLORN, ARGYLL/BUTE		6	195	0.10	5.26	7.00	
20240102	173043.5	53.28	-1.94	404.0	375.8	2.6	2.5	BUXTON, DERBYSHIRE	4	21	66	0.30	3.77	4.20	FELT BUXTON...
20240105	023040.4	56.56	-6.25	139.2	748.7	6.8	0.7	MULL, ARGYLL & BUTE		4	260	0.30	0.00	0.00	
20240105	065835.5	52.37	-2.64	356.6	274.7	6.0	0.7	KNOWBURY, SHROPSHIRE		6	126	0.10	1.75	1.90	
20240109	220709.7	52.84	-5.03	196.1	331.1	8.4	1.1	IRISH SEA		9	128	0.40	4.60	0.00	20KM WNW ABERDARON
20240110	180509.9	53.12	-0.26	516.2	359.3	2.6	1.2	MARTIN, LINCOLNSHIRE		6	132	0.40	4.43	4.50	
20240113	112146.0	51.61	-3.33	308.0	191.5	12.9	0.5	PONTYPRIDD, RHONDDA CT		5	163	0.20	2.86	4.00	
20240113	203849.1	54.34	-3.06	331.2	494.2	2.6	1.1	GRIZEDALE, CUMBRIA		11	123	0.20	2.62	3.60	
20240116	054057.5	61.36	3.83	711.5	1288.8	12.7	3.9	NORWEGIAN SEA	3	27	168	0.50	7.92	9.30	FELT WESTERN NORWAY
20240117	121832.7	56.60	-5.69	173.7	751.0	9.8	1.4	MORVERN, HIGHLAND		5	207	0.10	8.13	0.00	
20240117	204359.8	56.49	-6.39	129.9	742.1	2.6	1.1	MULL, ARGYLL & BUTE		8	212	0.40	0.00	0.00	TRESHNISH ISLES
20240118	135338.8	50.56	0.21	556.9	76.0	2.6	2.9	ENGLISH CHANNEL		21	123	0.40	4.33	5.20	23KM SSW EASTBOURNE
20240123	134916.2	55.75	-5.35	189.6	655.4	7.6	1.0	SKIPNESS, ARGYLL & BUTE		8	144	0.30	3.18	8.20	OFFSHORE SKIPNESS
20240125	140623.9	51.84	-4.42	233.4	218.0	7.2	1.2	LLANGYNOG, CARMARTH		10	117	0.30	2.33	7.30	
20240126	150505.6	61.57	2.25	625.5	1305.7	22.7	3.2	NORWEGIAN SEA		16	195	0.30	7.92	0.00	240KM NE LERWICK
20240127	131842.4	55.48	-5.08	205.1	625.5	7.6	1.2	ARRAN, NORTH Ayrshire		8	111	0.20	3.81	0.00	
20240128	000634.8	50.12	-5.19	171.7	29.7	7.9	1.6	CONSTANTINE, CORNWALL	3	10	273	0.10	6.42	3.90	FELT CONSTANTINE...
20240128	001030.1	50.12	-5.19	171.7	29.7	7.9	0.1	CONSTANTINE, CORNWALL		6	324	0.10	3.36	0.00	
20240128	001455.9	50.12	-5.19	171.7	29.7	7.9	0.1	CONSTANTINE, CORNWALL		6	324	0.10	2.28	0.00	
20240128	001613.7	50.12	-5.19	171.7	29.7	7.9	1.1	CONSTANTINE, CORNWALL		6	324	0.10	3.61	0.00	
20240128	003744.6	50.12	-5.19	171.7	29.7	7.9	1.3	CONSTANTINE, CORNWALL	3	7	273	0.10	2.20	0.00	FELT CONSTANTINE...
20240128	004136.4	50.12	-5.19	171.7	29.7	7.9	0.2	CONSTANTINE, CORNWALL		6	324	0.10	2.75	0.00	
20240128	013742.4	50.12	-5.19	171.7	29.7	7.9	0.5	CONSTANTINE, CORNWALL		6	324	0.20	8.46	0.00	
20240128	022416.6	53.74	-1.46	435.4	427.4	8.9	1.8	ROTHWELL, W YORKSHIRE		14	124	0.30	3.45	7.00	
20240128	190738.3	56.13	-5.97	153.5	700.6	2.6	1.0	JURA, ARGYLL & BUTE		6	208	0.30	0.00	7.00	OFFSHORE JURA
20240129	131125.0	56.60	-5.65	176.1	751.4	7.5	1.1	MORVERN, HIGHLAND		5	202	0.20	6.21	0.00	
20240129	142459.0	56.79	-5.84	165.8	773.5	7.6	2.3	MOIDART, HIGHLAND	4	13	185	0.30	0.00	0.00	FELT GLENUIG...
20240129	192932.0	56.60	-6.20	142.3	753.7	7.4	2.4	MULL, ARGYLL & BUTE	4	12	250	0.40	0.00	0.00	FELT MULL...
20240129	193003.5	56.60	-6.18	143.2	753.2	6.8	3.3	MULL, ARGYLL & BUTE	5	25	250	0.40	0.00	0.00	FELT MULL...
20240129	193315.0	56.60	-6.15	145.2	752.9	3.2	1.9	MULL, ARGYLL & BUTE	3	8	199	0.40	0.00	0.00	FELT MULL...
20240129	193447.8	56.59	-6.20	142.3	752.2	4.9	1.4	MULL, ARGYLL & BUTE		6	253	0.40	0.00	0.00	
20240129	193543.9	56.60	-6.20	142.2	753.2	7.4	1.2	MULL, ARGYLL & BUTE		6	253	0.40	0.00	0.00	
20240129	193824.6	56.58	-6.20	142.0	751.0	6.2	1.0	MULL, ARGYLL & BUTE		4	256	0.20	0.00	0.00	
20240129	194158.6	56.58	-6.22	141.1	750.9	7.1	1.1	MULL, ARGYLL & BUTE		4	257	0.30	0.00	0.00	
20240201	183446.6	56.62	-5.63	177.3	753.0	7.6	2.8	MORVERN, HIGHLAND	3	17	169	0.30	6.14	0.00	FELT ACHARACLE...
20240201	190645.7	56.58	-5.60	178.7	748.7	6.6	1.4	MORVERN, HIGHLAND		4	198	0.10	5.51	4.00	
20240201	212730.2	54.75	-2.99	336.3	539.5	7.6	0.5	CALDBECK, CUMBRIA		7	168	0.20	4.52	0.00	4KM EAST CALDBECK
20240202	013812.0	56.56	-5.58	180.4	747.2	7.4	0.8	MORVERN, HIGHLAND		4	195	0.20	5.55	0.00	
20240202	043721.4	56.60	-6.14	145.7	753.6	3.6	1.5	MULL, ARGYLL & BUTE		6	248	0.40	0.00	0.00	
20240202	081737.4	54.76	-3.27	318.0	541.7	7.7	1.1	ASPATRIA, CUMBRIA		7	133	0.40	6.50	7.50	
20240203	235232.7	55.79	-4.61	236.6	657.8	13.3	0.6	BEITH, NORTH Ayrshire		7	133	0.20	3.70	2.40	
20240205	082805.8	55.74	-5.82	160.5	656.0	11.1	1.5	GIGHA, ARGYLL & BUTE		8	148	0.30	4.44	5.90	4KM OFFSHORE GIGHA

TABLE 1 : CATALOGUE OF EVENTS : 2024

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20240206	161933.9	53.35	-2.68	354.5	384.4	10.8	0.9	RUNCORN, CHESHIRE		9	142	0.20	3.51	4.80	
20240208	000048.2	53.17	-3.97	268.4	365.8	12.2	1.5	BETHESDA, GWYNEDD	3	16	93	0.20	2.66	2.60	FELT BETHESDA...
20240210	130628.5	51.93	-2.85	341.6	225.7	18.3	1.0	KENTCHURCH, HEREF		4	164	0.00	0.00	0.00	
20240210	233459.3	50.11	-5.19	171.8	28.6	5.4	0.1	CONSTANTINE, CORNWALL		5	329	0.00	0.92	0.90	
20240212	052847.0	52.25	-2.86	341.4	262.0	2.6	0.5	SHOBDON, HEREFORDSHIRE		7	86	0.10	0.00	0.00	
20240213	110025.7	57.17	-5.70	176.5	814.7	7.6	0.8	SANDAIG, HIGHLAND		7	199	0.30	8.93	9.40	
20240214	162619.9	55.84	-6.20	137.0	669.1	2.6	1.2	ISLAY, ARGYLL & BUTE		7	195	0.30	0.00	0.00	
20240216	090052.1	57.11	-5.31	199.3	806.9	9.0	0.8	KINLOCH HOURN, HIGHLAND		7	138	0.50	7.26	0.00	
20240217	113506.4	52.49	-2.00	400.0	288.2	12.7	0.6	OLDBURY, WEST MIDLANDS		5	172	0.30	5.33	8.80	
20240218	065112.8	51.10	-2.88	338.4	134.3	5.7	2.2	MIDDLEZOY, SOMERSET		18	162	0.40	4.16	4.50	
20240220	204419.4	51.22	-3.73	278.8	147.8	13.4	1.0	COUNTISBURY, DEVON		8	108	0.20	3.47	4.90	4KM ESE COUNTISBURY
20240221	224956.8	57.00	-5.45	190.3	794.7	7.6	1.1	LOCH NEVIS, HIGHLAND		8	165	0.50	6.80	0.00	
20240225	032349.8	57.58	-5.43	195.0	859.4	7.0	0.5	TORRIDON, HIGHLAND		5	165	0.30	5.35	0.00	6KM NW TORRIDON
20240225	204820.3	57.84	-5.09	216.3	887.1	2.5	1.2	LETTERS, HIGHLAND		8	139	0.20	4.84	5.50	
20240227	055633.1	56.59	-5.68	173.8	750.5	8.5	1.5	MORVERN, HIGHLAND		6	207	0.10	6.28	8.20	
20240229	202847.1	56.64	-5.71	172.5	756.1	7.5	0.7	MORVERN, HIGHLAND		6	207	0.30	9.39	0.00	
20240302	062556.4	52.80	-4.12	257.0	324.4	11.3	0.5	LLANBEDR, GWYNEDD		8	135	0.10	1.66	3.90	
20240303	120654.2	52.99	-3.53	297.6	345.1	12.2	0.9	LLANGWM, CONWY		9	143	0.20	3.16	2.90	
20240303	215342.9	56.55	-5.92	158.8	747.2	7.8	0.5	SOUND OF MULL		5	235	0.30	9.12	4.10	
20240307	151931.5	53.13	-1.63	425.0	359.2	2.5	1.8	MATLOCK, DERBYSHIRE	3	11	163	0.40	8.19	6.40	FELT WINSTER
20240309	011649.3	51.21	-2.95	333.4	146.4	7.8	0.7	HIGHBRIDGE, SOMERSET		4	198	0.10	2.55	0.00	
20240309	011729.2	51.22	-2.97	332.3	147.0	7.6	1.5	HIGHBRIDGE, SOMERSET		11	150	0.30	3.68	8.70	
20240310	042951.5	56.37	-5.33	194.3	724.5	11.8	1.0	MUSDALE, ARGYLL & BUTE		4	245	0.10	2.80	1.90	
20240310	213619.4	53.18	-2.69	353.8	365.0	17.7	0.9	KELSALL, CHESHIRE		9	87	0.20	2.22	2.70	
20240313	144948.2	53.27	0.10	539.7	376.4	17.2	2.0	SWABY, LINCOLNSHIRE		6	202	0.20	4.52	4.20	
20240316	145712.8	54.24	-3.22	320.5	483.7	7.2	0.4	KIRKBY, CUMBRIA		8	217	0.30	6.04	3.10	
20240322	042830.1	54.24	-3.25	318.8	483.9	10.3	1.9	KIRKBY, CUMBRIA	3	19	50	0.40	3.86	3.40	FELT ULVERSTON...
20240323	114708.3	59.69	1.96	622.6	1096.0	10.0	3.2	NORTHERN NORTH SEA		13	110	0.50	7.93	0.00	
20240325	134454.5	57.20	-4.87	226.8	815.3	2.6	1.2	DALCHREICHART, HIGHLAND		8	112	0.40	6.62	5.80	
20240326	181757.1	55.73	-5.44	183.8	654.2	14.3	0.7	EASCAIRT, ARGYLL & BUTE		8	152	0.30	4.94	5.30	
20240328	014750.2	51.81	-4.52	226.2	215.5	4.9	1.0	ST CLEARS, CARMARTH		8	137	0.10	0.99	3.30	
20240329	054506.6	54.99	-4.75	223.8	570.0	4.0	0.3	NEW LUCE, D & G		6	150	0.40	4.43	5.70	
20240405	022845.8	53.59	-2.69	354.0	410.2	9.9	1.7	APPLEY BRIDGE, LANCS		15	74	0.30	2.91	5.70	
20240405	075052.7	57.12	-3.67	299.0	804.0	7.4	0.6	GLENMORE, HIGHLAND		7	72	0.30	2.95	8.80	6KM SOUTH GLENMORE
20240407	033214.0	51.91	-3.14	321.5	224.7	12.5	1.1	CWMDU, POWYS		9	68	0.10	1.22	1.30	
20240410	043637.0	54.09	-2.06	396.1	465.5	2.6	1.0	KILNSEY, N YORKSHIRE		6	189	0.10	1.94	1.70	
20240411	090228.8	56.34	-5.41	189.2	721.7	5.7	0.9	KILMORE, ARGYLL & BUTE		6	177	0.10	3.62	3.60	
20240413	042034.2	52.95	-5.79	145.4	345.8	7.5	0.9	IRISH SEA		9	84	0.30	2.75	6.10	17KM EAST WICKLOW
20240414	140458.4	50.12	-5.18	172.6	29.6	7.4	0.2	CONSTANTINE, CORNWALL		6	322	0.10	4.70	3.70	
20240416	043545.1	52.39	-3.69	284.8	278.1	7.7	0.5	LLANGURIG, POWYS		6	101	0.20	2.69	6.50	
20240417	174348.1	52.80	-2.40	372.7	322.8	7.6	1.5	NEWPORT, SHROPSHIRE		12	99	0.40	4.10	0.00	4KM NNW NEWPORT
20240417	223831.2	53.95	-0.34	508.8	452.3	18.0	1.2	EMMOTLAND, E YORKSHIRE		8	209	0.20	3.55	1.70	

TABLE 1 : CATALOGUE OF EVENTS : 2024

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20240418	001542.2	55.77	-5.33	190.8	658.3	7.8	0.7	SKIPNESS, ARGYLL & BUTE		7	143	0.30	4.38	0.00	
20240418	025208.1	53.80	-1.81	650.8	440.3	11.3	3.0	SOUTHERN NORTH SEA		38	147	0.40	6.66	8.60	100KM NNE CROMER
20240418	183609.7	53.50	-1.01	465.5	401.3	2.5	1.4	AUCKLEY, S YORKSHIRE		6	97	0.20	4.94	5.30	
20240419	014217.2	53.00	-1.56	429.5	344.6	7.8	2.5	BELPER, DERBYSHIRE	3	30	47	0.40	2.92	4.50	FELT MATLOCK...
20240421	012826.7	56.16	-4.79	226.9	699.4	10.6	0.3	CRAGGAN, ARGYLL & BUTE		8	117	0.30	3.42	6.10	
20240421	052931.6	51.09	-2.80	343.7	132.4	3.7	0.6	LANGPORT, SOMERSET		7	198	0.10	2.94	1.60	5KM NNE LANGPORT
20240421	235741.2	54.20	-4.27	252.1	480.9	2.6	0.6	IRISH SEA		9	175	0.30	3.61	3.60	15KM ENE DOUGLAS, IOM
20240422	083737.0	52.39	-3.69	284.7	278.7	7.8	1.0	LLANGURIG, POWYS		6	143	0.10	2.28	6.20	
20240422	090938.4	52.26	-3.92	269.0	264.0	4.6	2.3	TREGARON, CEREDIGION	3	24	68	0.40	3.31	3.20	FELT YSTRAD MEURIG...
20240423	181924.9	56.41	-5.65	175.0	729.8	2.6	0.5	MULL, ARGYLL & BUTE		4	264	0.20	0.00	7.20	
20240424	005050.4	50.59	-4.50	222.8	79.5	15.1	1.5	ALTARNUN, CORNWALL		16	103	0.20	2.33	1.20	
20240425	010453.4	49.49	-5.41	153.2	-39.7	15.1	1.0	CELTIC SEA		7	325	0.10	6.89	8.90	55KM SSW LIZARD PT
20240425	185607.1	53.68	-2.34	377.4	420.0	3.8	1.2	HELMSHORE, LANCASHIRE		9	140	0.10	2.59	4.10	
20240427	014212.9	49.08	-2.02	398.8	-91.1	6.7	1.7	JERSEY, CHANNEL ISLANDS	3	4	157	0.10	2.02	2.40	FELT JERSEY
20240427	073114.6	51.89	-5.07	188.6	225.4	8.9	1.3	HAYSCASTLE, PEMBS		9	215	0.20	3.96	2.70	
20240428	210147.8	53.42	-5.76	149.9	398.4	11.5	0.6	IRISH SEA		5	145	0.20	2.48	6.00	30KM ENE DUBLIN BAY
20240429	071058.8	52.38	-3.67	286.3	276.6	7.5	1.2	LLANGURIG, POWYS		8	96	0.40	5.48	6.00	
20240501	185137.8	53.63	-3.78	282.4	416.8	5.9	0.7	IRISH SEA		8	117	0.20	3.38	9.40	35KM NORTH LLANDUDNO
20240502	194821.6	54.87	-7.72	33.3	567.5	10.9	1.0	DRUMKEEN, CO DONEGAL		3	255	0.20	0.00	0.00	
20240503	203433.3	51.57	-3.44	300.5	186.9	7.6	0.8	TONYREFAIL, RHONDDA CT		10	75	0.30	3.22	8.40	
20240505	031628.7	50.32	-4.78	202.1	50.7	7.9	1.0	ST AUSTELL, CORNWALL		9	166	0.50	5.88	5.70	
20240515	024517.9	53.80	-1.81	650.9	440.8	15.6	1.9	SOUTHERN NORTH SEA		12	229	0.10	5.72	6.00	100KM NNE CROMER
20240516	221524.2	51.35	-4.03	258.5	163.1	7.9	1.7	BRISTOL CHANNEL		21	105	0.30	3.20	6.20	30KM SSW SWANSEA
20240516	233932.9	56.04	-9.91	-92.4	711.7	16.9	1.6	NORTH ATLANTIC OCEAN		10	246	0.30	9.92	9.70	
20240518	195630.9	50.23	-4.78	201.6	40.1	16.6	0.9	DODMAN POINT, CORNWALL		13	194	0.20	4.18	4.90	OFFSHORE DODMAN PT
20240518	200128.6	50.23	-4.79	200.9	40.6	16.6	0.5	DODMAN POINT, CORNWALL		12	192	0.30	4.82	5.70	OFFSHORE DODMAN PT
20240518	200419.8	50.23	-4.78	201.6	40.1	16.3	0.6	DODMAN POINT, CORNWALL		12	193	0.20	4.32	4.50	OFFSHORE DODMAN PT
20240520	004121.4	52.83	-5.56	160.4	332.1	7.0	0.2	IRISH SEA		4	160	0.30	4.05	8.70	36KM ESE WICKLOW
20240520	053444.5	56.62	-5.65	176.1	753.2	8.1	1.3	MORVERN, HIGHLAND	2	6	201	0.10	9.63	6.90	FELT KINGAIRLOCH
20240520	074316.8	52.58	-2.83	343.9	298.3	9.6	1.5	CHURCH STRETTON, SALOP		6	241	0.20	8.29	2.60	
20240521	013428.2	50.59	-4.51	222.7	80.2	14.7	0.1	ALTARNUN, CORNWALL		11	106	0.20	2.86	1.80	
20240521	040347.2	57.63	-5.64	182.7	866.1	3.7	0.6	DIABAIG, HIGHLAND		5	203	0.50	9.07	5.10	6KM NNE DIABAIG
20240521	212630.1	53.52	-3.75	283.6	403.6	4.7	1.0	IRISH SEA		12	87	0.20	2.55	8.10	22KM NNE LLANDUDNO
20240524	033050.6	53.29	-5.30	180.3	382.1	7.0	0.2	IRISH SEA		5	177	0.30	4.67	2.60	45KM WEST HOLYHEAD
20240524	231349.3	56.02	-3.62	299.3	682.5	11.6	0.3	BO'NESS, FALKIRK		9	100	0.20	2.02	5.50	
20240526	132408.4	53.34	-5.31	179.4	387.6	7.6	1.4	IRISH SEA		10	108	0.40	3.32	8.20	45KM WEST HOLYHEAD
20240530	052444.6	54.07	-0.49	498.9	465.3	14.0	1.7	LANGTOFT, E YORKSHIRE		6	200	0.10	0.00	0.00	
20240530	192855.6	52.20	-2.55	362.5	255.4	8.3	1.2	BROMYARD, HEREFORDSHIRE		6	182	0.20	1.92	3.20	
20240531	065210.6	56.18	-3.89	282.9	699.7	7.6	1.3	BLAIRLOGIE, STIRLING		12	64	0.40	3.14	9.30	
20240602	180212.1	51.89	-5.13	184.8	226.2	4.0	1.0	LLANDELOY, PEMBS		7	222	0.10	0.00	0.00	
20240602	223820.0	49.65	-4.49	220.4	-25.3	8.9	1.5	ENGLISH CHANNEL		14	295	0.20	0.00	0.00	70KM SSE FALMOUTH
20240604	213752.2	49.46	-4.40	226.3	-45.8	7.0	1.4	ENGLISH CHANNEL		11	307	0.30	0.00	0.00	90KM SSE FALMOUTH

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YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20240607	011714.7	54.38	-2.68	355.6	498.2	3.4	0.7	KENDAL,CUMBRIA		8	98	0.30	3.85	5.90	5KM NE KENDAL
20240607	105104.0	55.83	-5.75	165.0	665.4	8.2	1.2	SOUND OF JURA		6	189	0.20	7.83	7.60	6KM WEST KILBERRY
20240607	234920.8	52.38	-3.69	285.3	276.9	8.2	0.6	LLANGURIG,POWYS		6	99	0.20	4.29	8.80	6KM WSW LLANGURIG
20240611	103126.4	54.52	-2.40	374.2	513.6	8.3	1.2	WARCOP,CUMBRIA		11	68	0.30	3.19	5.10	
20240613	014436.1	57.55	-5.17	210.0	855.7	4.4	0.6	ACHNASHEEN,HIGHLAND		6	128	0.20	5.10	9.70	6KM WSW ACHNASHEEN
20240614	003658.2	53.05	-2.13	391.2	350.7	2.1	1.1	STOKE-ON-TRENT,STAFFS		9	164	0.20	3.98	2.50	
20240614	235420.9	55.99	-6.35	128.7	686.4	5.7	0.8	COLONSAY,ARGYLL & BUTE		4	252	0.20	0.00	0.00	4KM OFF COLONSAY
20240615	000436.0	54.74	-3.15	326.0	538.6	7.6	0.3	IREBY,CUMBRIA		9	90	0.20	0.00	0.00	
20240618	083837.4	55.65	-5.38	187.3	645.0	7.6	1.3	ARRAN,NORTH AYRSHIRE		10	114	0.20	2.91	7.00	
20240619	004811.4	56.69	-6.07	150.6	763.0	8.2	0.7	KILCHOAN,HIGHLAND		6	239	0.30	0.00	0.00	
20240620	053211.2	54.72	-3.51	302.8	537.4	7.6	1.7	MARYPORT,CUMBRIA		13	76	0.30	3.45	8.80	
20240620	170103.2	57.01	-5.80	169.0	797.4	7.9	0.9	MALLAIG,HIGHLAND		5	213	0.30	0.00	0.00	
20240624	010336.6	57.64	-5.64	182.7	866.5	2.5	1.0	SHIELDAIG,HIGHLAND		8	203	0.40	0.00	0.00	
20240629	195223.2	56.87	-6.08	151.3	782.8	7.6	0.6	EIGG,HIGHLAND		5	238	0.20	0.00	0.00	3KM OFFSHORE EIGG
20240630	064217.8	54.01	0.96	593.9	461.0	10.0	2.2	SOUTHERN NORTH SEA		14	257	0.70	0.00	0.00	80KM NE GRIMSBY
20240703	111504.2	56.93	1.80	631.2	788.5	10.0	3.0	CENTRAL NORTH SEA		28	225	0.40	0.00	0.00	235KM EAST ABERDEEN
20240705	195041.7	52.40	-3.68	285.7	279.3	4.9	1.0	LLANGURIG,POWYS		7	98	0.50	5.25	4.70	5KM WEST LLANGURIG
20240707	025529.0	55.77	-3.19	325.4	653.7	5.8	0.5	LEADBURN,MIDLOTHIAN		9	112	0.20	2.42	3.40	
20240710	093806.2	55.02	-7.59	42.6	583.3	3.1	0.8	RAMELTON,CO DONEGAL		4	258	0.30	4.53	7.70	
20240710	124748.9	53.69	-1.03	464.0	422.3	15.4	1.1	SNAITH,EAST YORKSHIRE		7	161	0.10	0.00	0.00	
20240711	175933.2	55.30	-6.47	116.2	609.4	2.6	1.3	NORTH CHANNEL		8	142	0.40	5.32	5.10	16KM NW BALLYCASTLE
20240712	015839.5	54.35	-2.38	375.1	495.6	4.7	1.5	AISGILL,CUMBRIA		19	72	0.30	2.33	3.20	10KM ENE SEDBERGH
20240714	234551.7	56.76	-5.04	214.0	767.6	7.8	0.6	GLEN NEVIS,HIGHLAND		6	129	0.20	4.07	5.30	
20240716	080144.8	57.14	-5.56	184.5	811.0	2.6	1.0	ARNISDALE,HIGHLAND		6	172	0.30	6.96	4.60	
20240716	164735.1	53.41	-2.82	345.5	390.5	14.0	1.4	HUYTON,MERSEYSIDE		10	92	0.20	0.00	0.00	
20240718	182136.3	54.10	-2.92	339.9	467.1	2.6	1.1	MORECAMBE BAY		11	94	0.30	2.66	2.70	5KM NW MORECAMBE
20240721	070410.7	52.57	-1.87	409.0	297.0	9.9	0.8	SUTTON COLDFIELD,WMD		6	130	0.30	3.41	3.30	WEST MIDLANDS
20240721	152600.2	53.42	-4.15	257.3	393.9	10.7	2.0	IRISH SEA	3	23	74	0.40	3.31	3.90	FELT LLANGFNI...
20240722	061619.2	55.80	-6.09	143.6	663.9	7.6	0.6	ISLAY,ARGYLL & BUTE		6	171	0.30	0.00	0.00	
20240723	135715.5	52.40	-2.52	365.0	278.4	16.8	1.2	ORETON,SHROPSHIRE		7	96	0.20	0.00	0.00	
20240726	184502.8	55.91	-4.35	253.2	671.1	7.0	0.7	BEARSDEN,EAST DNB		9	108	0.20	2.08	2.20	EAST DUNBARTONSHIRE
20240726	200831.8	53.92	-1.90	406.6	447.0	2.6	0.4	SILSDEN,WEST YORKSHIRE		6	115	0.10	2.00	2.10	
20240727	085437.9	51.75	-3.82	274.4	207.7	7.4	0.6	PONTERDAWE,NPT		7	115	0.40	4.19	2.40	NEATH PORT TALBOT
20240729	002907.6	53.69	-2.02	398.7	421.1	11.0	0.5	CRAGG VALE,W YORKSHIRE		8	163	0.20	3.51	5.50	
20240801	211035.6	56.69	-4.92	221.1	759.5	7.6	0.8	KINLOCHLEVEN,HIGHLAND		9	117	0.50	5.33	0.00	
20240803	005953.2	56.75	-5.66	176.3	767.8	7.6	0.6	POLLOCH,HIGHLAND		7	197	0.20	5.38	0.00	
20240803	211103.6	56.66	-5.23	202.3	756.9	7.6	0.6	GLENACHULISH,HIGHLAND		7	148	0.20	4.16	0.00	
20240806	093308.6	54.05	-1.40	439.1	462.3	12.2	0.8	ARKENDALE,N YORKSHIRE		10	116	0.10	2.10	2.20	
20240806	211637.0	52.93	-0.45	504.3	338.2	7.6	1.3	OSBOURNBYS,LINCOLNSHIRE		9	143	0.10	1.60	0.00	
20240809	081544.6	55.23	-2.77	350.9	593.5	17.3	0.9	HERMITAGE,BORDERS		6	196	0.10	1.49	1.20	
20240809	202836.5	55.18	4.43	809.4	606.4	10.8	2.7	CENTRAL NORTH SEA		16	287	0.40	0.00	0.00	325KM NE CROMER
20240809	213817.7	54.74	-2.71	354.2	538.8	7.6	1.0	LAZONBY,CUMBRIA		9	104	0.30	2.86	4.70	

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YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20240810	040646.1	53.41	-2.52	365.3	390.8	9.0	0.6	WARRINGTON, CHESHIRE		5	156	0.10	2.73	5.60	
20240811	022627.6	54.75	-2.70	354.8	539.2	7.6	0.3	LAZONBY, CUMBRIA		7	102	0.20	2.22	2.70	
20240812	190836.5	56.29	-5.90	158.8	718.1	2.6	0.9	MULL, ARGYLL & BUTE		8	216	0.20	8.45	6.30	
20240812	231038.4	53.61	-3.37	309.4	413.2	3.8	2.2	IRISH SEA		31	53	0.40	2.22	5.60	24KM WEST SOUTHPORT
20240815	220458.3	51.80	-3.06	327.3	211.8	18.5	1.4	ABERGAVENNY, GWENT		8	110	0.20	3.10	2.00	
20240816	235614.1	53.57	-2.57	362.0	408.8	14.6	0.7	ASPULL, GTR MANCHESTER		5	245	0.10	0.00	0.00	
20240818	211440.8	57.05	-4.63	240.3	798.4	5.8	0.6	MELGARVE, HIGHLAND		6	129	0.20	3.08	2.70	
20240819	040419.1	57.69	-4.12	273.4	868.1	7.6	0.7	INVERGORDON, HIGHLAND		6	148	0.30	5.47	0.00	CROMARTY FIRTH
20240826	223014.9	51.81	-4.01	261.3	214.3	6.8	0.6	AMMANFORD, CARMARTH		7	97	0.10	1.56	4.60	
20240827	173107.5	51.89	-3.71	282.5	223.0	7.6	0.8	CRAI, POWYS		9	92	0.30	2.78	9.10	7KM WEST CRAI
20240830	052126.1	54.41	-2.24	384.5	501.1	5.4	1.0	BIRKDALE, N YORKSHIRE		10	67	0.30	2.14	3.10	
20240831	230225.1	51.40	-3.66	284.5	168.1	18.5	0.7	BRISTOL CHANNEL		6	140	0.20	2.92	3.00	9KM SSE PORTHCAWL
20240901	035833.7	54.79	-3.23	320.9	544.9	2.9	1.0	WAVERTON, CUMBRIA		9	85	0.40	4.24	7.20	5KM SW WIGTON
20240901	100421.9	51.78	-3.58	290.8	210.8	7.1	0.7	PENDERYN, RHONDDA CT		8	106	0.30	3.00	9.40	
20240902	003339.8	53.19	-4.33	244.4	368.7	7.6	1.4	LLANGAFFO, ANGLESEY	2	17	82	0.50	4.30	3.70	FELT NIWBWRCH
20240904	033351.1	56.39	-3.98	277.6	724.1	2.7	0.6	COMRIE, PERTH & KINROSS		9	95	0.20	2.28	2.50	
20240904	112542.0	52.67	-6.33	107.2	316.5	7.6	1.8	GOREY, CO WEXFORD		11	134	0.30	3.62	6.70	
20240905	212101.3	54.67	4.69	830.8	551.3	10.0	2.7	SOUTHERN NORTH SEA		19	269	0.30	0.00	0.00	295KM NE CROMER
20240906	052136.6	54.58	-3.51	302.4	521.1	7.5	0.2	GILGARRAN, CUMBRIA		7	141	0.30	4.08	5.60	
20240907	053151.0	53.00	-4.25	248.8	347.6	15.7	1.3	PANT GLAS, GWYNEDD		16	91	0.30	2.94	3.20	
20240909	232314.5	51.66	-2.83	342.8	195.5	24.6	2.1	WENTWOOD, GWENT		20	102	0.30	3.14	2.60	12KM NE NEWPORT
20240910	111237.5	54.19	-3.57	297.7	478.2	4.9	2.6	IRISH SEA		25	41	0.40	2.88	4.80	20KM WEST MILLOM
20240911	082150.0	53.74	-3.88	276.2	429.1	7.6	0.9	IRISH SEA		10	111	0.30	3.83	9.40	55KM WEST BLACKPOOL
20240911	122325.6	53.75	-2.33	378.1	428.7	9.0	1.0	ACCRINGTON, LANCASHIRE		10	96	0.20	0.00	0.00	
20240913	014022.8	52.35	-2.55	362.7	272.7	6.2	0.6	MILSON, SHROPSHIRE		11	95	0.10	0.00	0.00	
20240913	084936.5	53.38	-3.34	310.7	388.0	13.1	1.0	TALACRE, FLINTSHIRE		10	74	0.20	3.02	5.90	3KM OFFSHORE TALACRE
20240914	233226.1	52.97	-4.37	241.1	343.5	6.2	1.2	LLEYN PENINSULA		10	101	0.20	2.64	4.50	9KM NNE PWLLHELI
20240916	034408.8	53.79	-1.40	439.7	432.5	7.7	0.6	GARFORTH, W YORKSHIRE		9	165	0.30	5.07	7.50	
20240916	233758.7	53.13	-1.28	448.2	359.1	7.5	0.9	ASHFIELD, NOTTS		9	196	0.30	6.92	8.00	
20240917	233927.4	56.41	-3.61	300.6	725.1	3.5	0.5	METHVEN, PERTH/KINROSS		11	86	0.40	3.94	7.50	
20240921	023756.9	53.72	-2.47	369.2	424.6	11.0	1.8	DARWEN, LANCASHIRE		22	66	0.30	2.64	4.80	
20240921	041859.4	50.58	-3.70	279.9	77.4	2.6	0.6	BRIMLEY, DEVON		6	209	0.30	0.00	0.00	
20240925	010633.1	56.32	-4.99	215.3	718.4	2.7	0.2	CLADICH, ARGYLL & BUTE		6	121	0.40	5.33	8.50	8KM SOUTH DALMALLY
20240925	082922.3	53.17	-4.09	260.4	365.4	7.6	0.8	BETHESDA, GWYNEDD		8	131	0.30	7.05	0.00	
20240926	210826.7	52.26	-3.01	331.0	263.3	3.8	1.4	PRESTEIGNE, POWYS		10	99	0.20	0.00	0.00	
20240930	021511.9	51.68	-1.46	437.2	198.2	16.6	1.6	LONGWORTH, OXFORDSHIRE		7	197	0.20	4.17	3.00	
20241001	021856.8	55.29	-7.17	71.6	611.4	2.6	1.0	CULDAFF, CO DONEGAL		6	183	0.30	8.97	7.50	
20241001	032112.2	55.56	-6.33	127.3	638.0	8.8	2.1	ISLAY, ARGYLL & BUTE		21	137	0.50	6.38	7.40	2KM OFFSHORE ISLAY
20241001	131235.1	53.04	-1.93	405.0	349.3	17.1	1.4	WHISTON, STAFFORDSHIRE		7	186	0.30	5.46	3.30	
20241002	151956.7	55.84	-6.15	140.4	668.1	2.3	1.1	ISLAY, ARGYLL & BUTE		7	216	0.30	7.10	8.30	
20241003	203214.9	55.48	-5.09	205.0	624.9	7.6	0.9	ARRAN, NORTH AYRSHIRE		10	93	0.50	7.57	3.90	
20241004	175708.7	56.49	-6.03	151.9	740.7	6.6	0.9	MULL, ARGYLL & BUTE		5	250	0.50	1.40	3.00	

TABLE 1 : CATALOGUE OF EVENTS : 2024

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20241005	071055.4	56.67	-4.94	219.9	757.3	2.4	1.2	KINLOCHLEVEN, HIGHLAND		8	118	0.30	4.02	3.60	5KM SSE KINLOCHLEVEN
20241008	173516.6	55.28	-7.18	71.0	610.9	2.3	0.5	CULDAFF, CO DONEGAL		5	183	0.50	7.36	6.80	
20241011	115634.1	52.75	-2.33	377.6	317.5	2.1	0.8	NEWPORT, SHROPSHIRE		6	185	0.10	3.54	0.00	3KM ESE NEWPORT
20241011	182528.9	53.27	0.10	539.8	376.9	16.8	1.4	SWABY, LINCOLNSHIRE		6	172	0.20	4.12	2.50	
20241011	185014.4	54.74	-2.72	353.7	539.0	7.6	0.8	LAZONBY, CUMBRIA		10	104	0.20	3.73	9.10	
20241011	192347.1	54.74	-2.70	354.9	539.0	7.6	0.3	LAZONBY, CUMBRIA		7	108	0.20	3.61	0.00	
20241012	162637.7	52.96	-3.48	300.4	341.7	13.0	1.8	GLAN-YR-AFON, GWYNEDD		18	46	0.40	3.89	3.30	
20241012	195604.1	51.94	-7.02	55.0	238.8	2.6	0.8	CELTIC SEA		3	288	0.20	0.00	4.80	25KM SOUTH TRAMORE
20241012	231844.2	50.98	-4.19	246.1	122.0	3.2	0.5	BIDEFORD, DEVON		4	154	0.40	6.77	6.40	4KM SOUTH BIDEFORD
20241013	223528.5	54.74	-2.70	354.9	539.1	8.0	0.1	LAZONBY, CUMBRIA		7	102	0.20	2.20	7.70	
20241017	143045.3	57.70	-5.35	200.2	873.3	3.8	1.1	LETTEREWE, HIGHLAND		9	167	0.30	4.30	8.50	11KM NNW KINLOCHEWE
20241023	031348.1	52.39	-3.69	285.3	277.9	7.6	0.3	LLANGURIG, POWYS		8	98	0.20	2.42	7.30	5KM WSW LLANGURIG
20241024	181651.4	51.52	-3.29	310.6	181.2	7.6	0.9	PENTYRCH, S GLAMORGAN		7	131	0.10	2.91	5.40	
20241027	051002.5	52.99	-5.39	172.5	348.9	7.5	1.3	IRISH SEA		13	75	0.30	3.25	8.20	40KM EAST WICKLOW
20241027	052548.9	52.98	-5.41	171.3	348.1	8.6	0.9	IRISH SEA		10	76	0.30	4.24	6.20	40KM EAST WICKLOW
20241028	193525.9	51.26	-4.87	199.9	155.3	7.6	0.8	BRISTOL CHANNEL		6	174	0.20	4.20	1.60	15KM NW LUNDY
20241103	013747.3	56.41	-5.67	173.7	729.8	2.6	0.9	MULL, ARGYLL & BUTE		7	226	0.10	3.61	0.00	
20241104	174429.0	51.99	-2.92	336.8	233.3	15.1	0.9	BACTON, HEREFORDSHIRE		7	114	0.20	3.62	2.10	
20241105	212931.1	54.54	-0.77	479.4	516.8	2.6	1.3	HINDERWELL, N YORKSHIRE	2	10	238	0.50	0.00	3.20	FELT STAITHES
20241106	125841.8	57.51	-5.84	169.8	852.8	4.2	0.9	APPLECROSS, HIGHLAND		6	219	0.30	6.42	5.70	
20241108	075514.5	57.02	-5.78	170.5	799.0	6.0	1.3	LOCH NEVIS, HIGHLAND		7	208	0.40	8.78	5.90	3KM NE MALLAIG
20241108	075523.9	57.02	-5.78	170.5	799.0	6.0	1.3	LOCH NEVIS, HIGHLAND		4	240	0.20	7.52	0.00	3KM NE MALLAIG
20241108	075924.9	57.03	-5.79	170.1	799.6	5.8	1.5	LOCH NEVIS, HIGHLAND		7	209	0.40	7.76	6.50	3KM NE MALLAIG
20241108	082805.6	50.17	-5.40	157.3	35.3	7.7	1.2	HAYLE, CORNWALL		9	329	0.10	4.18	2.90	
20241109	001547.8	57.03	-5.79	169.8	799.8	6.6	0.4	LOCH NEVIS, HIGHLAND		7	210	0.40	4.70	6.10	3KM NE MALLAIG
20241110	083706.0	56.42	-3.96	279.0	726.8	3.9	0.9	COMRIE, PERTH & KINROSS		7	101	0.50	9.33	5.90	5KM NORTH COMRIE
20241110	131321.3	51.77	-1.07	464.0	208.9	2.6	2.2	WORMINGHALL, BUCKS		14	89	0.30	2.36	2.40	
20241110	182600.0	57.42	-5.94	163.5	843.7	2.9	0.6	RAASAY, HIGHLAND		6	223	0.10	2.38	2.10	INNER SOUND
20241111	215534.7	55.70	-5.44	183.9	650.8	15.6	0.5	CROSSAIG, ARGYLL & BUTE		6	150	0.20	3.58	6.10	
20241111	230351.7	50.77	-0.94	474.9	97.1	2.5	1.2	HAYLING ISLAND, HANTS		9	179	0.10	2.20	1.50	
20241112	125748.6	52.98	-5.37	174.0	348.4	8.8	0.8	IRISH SEA		8	87	0.50	4.56	8.20	45KM EAST WICKLOW
20241114	183346.7	56.99	-5.80	169.1	795.7	7.2	0.6	MALLAIG, HIGHLAND		7	210	0.40	8.42	2.40	
20241114	221535.2	57.11	-5.74	173.8	808.2	4.9	0.5	LOCH HOURN, HIGHLAND		6	204	0.20	8.81	6.90	
20241115	170444.1	56.99	-5.76	171.4	795.4	6.3	1.3	MALLAIG, HIGHLAND	2	7	205	0.50	0.00	9.90	FELT MALLAIG
20241115	204026.1	56.28	-5.57	179.0	715.2	2.6	1.0	KILCHOAN, ARGYLL & BUTE	2	5	257	0.30	9.95	6.00	FELT BALVICAR
20241116	100346.0	57.03	-5.79	170.0	799.7	7.3	0.6	LOCH NEVIS, HIGHLAND		5	209	0.40	2.51	1.10	
20241116	131342.1	54.51	-2.91	341.2	513.5	7.0	1.4	HARTSOP, CUMBRIA		10	78	0.20	2.28	2.10	
20241118	043625.5	56.61	-5.80	166.8	753.0	5.0	0.4	MORVERN, HIGHLAND		5	219	0.20	7.65	1.70	
20241118	122539.4	54.51	-2.92	340.7	513.0	5.4	1.5	HARTSOP, CUMBRIA		12	91	0.40	4.02	4.20	
20241119	055017.4	51.78	-8.67	-59.9	230.7	13.1	1.6	INNISHANNON, CO CORK		7	195	0.30	5.01	7.60	
20241120	001537.1	56.59	-5.95	157.7	751.5	10.2	0.5	DRIMNIN, HIGHLAND		5	235	0.20	5.12	5.30	
20241120	075252.9	57.03	-5.78	170.7	799.3	7.7	0.7	LOCH NEVIS, HIGHLAND		6	208	0.40	9.65	8.90	3KM NE MALLAIG

TABLE 1 : CATALOGUE OF EVENTS : 2024

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20241120	174526.5	51.87	-5.02	192.4	223.5	11.9	1.4	HAYSCASTLE, PEMBS		10	137	0.20	3.94	3.40	
20241121	054847.1	51.78	-8.68	-60.4	229.9	12.5	0.6	INNISHANNON, CO CORK		3	218	0.10	2.25	2.12	
20241122	040750.3	56.19	-5.01	213.3	703.9	3.4	1.0	STRACHUR, ARGYLL & BUTE		8	130	0.30	3.61	5.20	
20241128	043006.0	54.75	-2.71	354.5	539.2	7.6	0.2	LAZONBY, CUMBRIA		7	105	0.20	2.06	6.00	
20241128	150856.4	51.74	-4.79	207.2	207.9	7.6	1.4	JEFFREYSTON, PEMBS		8	177	0.20	4.90	6.90	
20241129	063529.7	54.86	-2.52	366.4	551.9	10.8	0.6	SLAGGYFORD, NORTHUMB		9	132	0.20	2.64	6.50	
20241129	183833.0	51.59	-2.38	374.0	188.5	4.5	1.1	WICKWAR, GLOS		7	137	0.20	3.20	4.40	
20241201	020359.5	57.68	-5.03	219.3	869.3	2.3	1.3	LOCHDRUM, HIGHLAND		9	124	0.40	8.17	6.00	8KM SSW LOCHDRUM
20241203	041659.3	52.53	1.60	644.3	298.8	16.1	1.0	ST OLAVES, NORFOLK		3	288	0.10	4.33	8.00	
20241203	100312.4	51.80	-2.49	366.0	212.0	4.6	1.2	CINDERFORD, GLOS		5	299	0.40	0.00	0.00	
20241204	035153.0	56.15	-4.19	264.1	697.3	7.0	0.3	KIPPEN, STIRLING		6	95	0.20	2.20	2.00	3KM NNW KIPPEN
20241204	053708.2	56.41	-5.67	173.9	730.1	2.6	0.6	MULL, ARGYLL & BUTE		6	225	0.10	3.48	1.80	
20241208	201014.4	56.35	-5.53	181.7	722.8	2.6	0.7	KILNINVER, ARGYLL/BUTE		5	217	0.10	3.81	1.90	
20241208	214259.3	56.34	-5.54	181.2	722.6	3.6	0.7	KILNINVER, ARGYLL/BUTE		5	220	0.10	3.85	2.80	
20241213	213729.0	51.76	-4.03	260.0	208.5	9.5	0.8	TYCROES, CARMARTH		10	99	0.40	4.17	8.30	
20241213	232414.6	57.52	-5.67	180.2	853.2	2.6	0.8	SHIELDAIG, HIGHLAND		6	205	0.30	0.00	6.50	
20241217	235531.4	52.86	-1.18	455.5	329.1	8.2	2.2	GOHAM, NOTTINGHAMSHIRE	3	13	113	0.30	3.30	2.40	FELT COALVILLE...
20241224	055005.2	54.78	-3.23	320.7	544.1	6.2	0.2	WIGTON, CUMBRIA		6	141	0.20	3.99	4.10	6KM SE WIGTON
20241226	133904.0	54.94	-2.69	356.1	561.3	6.9	1.2	BRAMPTON, CUMBRIA		7	143	0.30	4.65	0.00	
20241226	153330.8	52.64	-3.86	274.3	306.8	4.6	1.0	CORRIS, GWYNEDD	3	9	115	0.30	4.27	4.70	FELT MACHYNLLETH
20241228	035716.9	52.57	-1.84	411.1	297.3	8.2	0.5	SUTTON COLDFIELD, WMD		6	157	0.30	6.09	9.80	
20241228	121316.2	51.67	-4.22	246.6	199.0	7.6	0.4	BURRY PORT, CARMARTH		5	117	0.10	0.89	2.60	
20241228	195316.1	52.79	-2.42	371.4	321.6	6.1	1.8	NEWPORT, SHROPSHIRE		15	100	0.50	3.33	5.60	

TABLE 2 : PHASE DATA

January 1 2024											Time: 16:59 33.7 UTC											Magnitude: 0.7 ML											MONM HZ 171.0 EP 17:31 10.93 0.27										
Lat: 56.314											Lon: -5.437											Depth: 2.7 km											MONM HE 171.0 IAML 17:31 32.77 124 0.34										
Grid Ref: 187.45 kmE											718.81 kmN											RMS: 0.10 secs											MONM HN 171.0 IAML 17:31 33.07 132 0.50										
Locality: CORRYLORN, ARGYLL/BUTE																																	IOMK HZ 205.0 EP 17:31 14.46 -0.52										
Velocity model: Lownet											Xnear: 100.0											Xfar: 200.0											ESK HZ 241.0 EP 17:31 19.22 -0.34										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES												ESK	HN	241.0	IAML	17:31	57.12	27	0.42														
LAW	HZ	6.4	IP		C	16:59	35.09			-0.17												ESK	HE	241.0	IAML	17:31	57.39	33	0.62														
LAW	HN	6.4	ES			16:59	36.46			0.05																																	
LAW	HN	6.4	IAML			16:59	36.54	75	0.08													January 5 2024																					
LAW	HE	6.4	IAML			16:59	36.63	51	0.20													Time: 02:30 40.4 UTC																					
EAB	HZ	69.6	EP			16:59	45.71			0.01												Lat: 56.558																					
EAB	HN	69.6	ES			16:59	54.31			-0.16												Lon: -6.245																					
EAB	HN	69.6	IAML			16:59	57.75	5	0.12													Grid Ref: 139.19 kmE																					
EAB	HE	69.6	IAML			16:59	57.82	7	0.18													748.72 kmN																					
PGB1	HZ	81.6	EP			16:59	47.71			0.17												Locality: MULL, ARGYLL & BUTE																					
PGB1	HN	81.6	IAML			17:00	00.11	3	0.20													Velocity model: Lownet																					
PGB1	HE	81.6	IAML			17:00	00.12	3	0.14													Xnear: 100.0																					
INV	HZ	87.0	EP			16:59	48.48			0.08												Xfar: 200.0																					
INV	HE	87.0	ES			16:59	59.13			-0.02												STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES											
INV	HE	87.0	IAML			17:00	02.08	2	0.09													LAW	HZ	61.8	EP			02:30	50.90			-0.04											
INV	HN	87.0	IAML			17:00	02.36	3	0.10													LAW	HE	61.8	ES			02:30	58.36			-0.25											
KPL	HZ	115.0	EP			16:59	52.56			-0.12												LAW	HE	61.8	IAML			02:30	58.57	4	0.08												
KPL	HE	115.0	IAML			17:00	08.88	1	0.42													LAW	HN	61.8	IAML			02:30	58.97	7	0.14												
KPL	HN	115.0	IAML			17:00	08.91	2	0.71													KPL	HZ	94.2	EP			02:30	55.76			-0.18											
PITL	HZ	126.0	EP			16:59	54.76			0.24												KPL	HN	94.2	ES			02:31	07.26			0.01											
PITL	HN	126.0	IAML			17:00	11.98	3	0.16													KPL	HN	94.2	IAML			02:31	09.19	1	0.19												
PITL	HE	126.0	IAML			17:00	12.39	2	0.06													KPL	HE	94.2	IAML			02:31	10.05	2	0.27												
																						EAB	HZ	125.0	EP			02:31	01.03			0.30											
																						EAB	HN	125.0	IAML			02:31	16.71	2	0.27												
																						EAB	HE	125.0	IAML			02:31	16.73	2	0.13												
																						INV	HZ	136.0	EP			02:31	03.00			0.62											
																						INV	HN	136.0	ES			02:31	18.49			0.09											
																						INV	HE	136.0	IAML			02:31	19.72	2	0.22												
																						INV	HN	136.0	IAML			02:31	19.79	2	0.15												
January 2 2024											Time: 17:30 43.5 UTC											Magnitude: 2.5 ML																					
Lat: 53.279											Lon: -1.940											Depth: 2.6 km																					
Grid Ref: 404.00 kmE											375.81 kmN											RMS: 0.30 secs																					
Locality: BUXTON, DERBYSHIRE																																	January 5 2024										
Velocity model: Lownet											Xnear: 100.0											Xfar: 200.0											Time: 06:58 35.5 UTC										
Comment: FELT BUXTON...																																	Lat: 52.368										
																																	Lon: -2.637										
																																	Grid Ref: 356.63 kmE										
																																	274.67 kmN										
																																	Locality: KNOWBURY, SHROPSHIRE										
																																	RMS: 0.10 secs										
																																	Velocity model: Lownet										
																																	Xnear: 100.0										
																																	Xfar: 200.0										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES												STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES											
STNC	HZ	27.4	EP			17:30	48.34			-0.29												HLM1	HZ	23.6	EP			06:58	40.09			-0.02											
STNC	HE	27.4	ES			17:30	52.93			0.53												HLM1	HE	23.6	ES			06:58	43.48			0.02											
STNC	HE	27.4	IAML			17:30	53.60	528	0.20													HLM1	HN	23.6	IAML			06:58	43.79	23	0.14												
STNC	HN	27.4	IAML			17:30	56.71	489	0.43													HLM1	HE	23.6	IAML			06:58	43.81	14	0.18												
ASO2	HZ	30.7	EP			17:30	48.77			-0.43												MCH1	HZ	48.0	EP			06:58	43.90			-0.07											
ASO2	HN	30.7	ES			17:30	53.62			0.24												MCH1	HN	48.0	ES			06:58	50.00			-0.13											
ASO2	HN	30.7	IAML			17:30	54.36	1675	0.31													MCH1	HN	48.0	IAML			06:58	50.32	12	0.14												
ASO2	HE	30.7	IAML			17:30	54.82	1666	0.41													MCH1	HE	48.0	IAML			06:58	50.32	17	0.14												
CWF	HZ	73.6	EP		9	17:30	54.03			-2.07												MONM	HE	59.9	ES			06:58	53.45			0.17											
CWF	HN	73.6	ES			17:31	03.29			0.04												FOEL	HZ	69.5	EP			06:58	47.48			0.15											
FOEL	HZ	94.9	EP			17:30	59.24			-0.21												LLW	BN	87.9	ES			06:59	00.74			-0.05											
FOEL	HE	94.9	IAML			17:31	17.14	71	0.41													LLW	BE	87.9	IAML			06:59	00.99	1	0.15												
FOEL	HN	94.9	IAML			17:31	19.71	58	0.57													LLW	BN	87.9	IAML			06:59	01.04	2	0.13												
AU05	HZ	95.7	EP			17:30	59.68			0.19												CWF	HZ	99.1	EP			06:58	51.81			-0.08											
AU05	HE	95.7	ES			17:31	11.06			-0.13												January 9 2024																					
AU05	HE	95.7	IAML			17:31	14.57	290	0.33													Time: 22:07 09.7 UTC																					
AU05	HN	95.7	IAML			17:31	16.16	229	0.40													Lat: 52.838																					
HLM1	HZ	106.0	EP			17:31	00.54			-0.58												Lon: -5.028																					
HLM1	HE	106.0	ES			17:31	14.05			0.04												Grid Ref: 196.08 kmE																					
HLM1	HE	106.0	IAML			17:31	14.90	72	0.33													331.05 kmN																					
HLM1	HN	106.0	IAML			17:31	17.88	50	0.41													Locality: IRISH SEA																					
CTON	HZ	108.0	EP			17:31	01.41			-0.13												Velocity model: Lownet																					
CTON	HE	108.0	ES			17:31	14.54			-0.19												Xnear: 100.0																					
CTON	HE	108.0	IAML			17:31	18.73	156	0.62													Xfar: 200.0																					
CTON	HN	108.0	IAML			17:31	18.88	288	0.39													Comment: 20KM WNW ABERDARON																					
LMK	HZ	109.0	EP			17:31	01.76			0.15												STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES											
LMK	HN	109.0	IAML			17:31	19.35	266	0.39													WLF1	HZ	65.7	EP			22:07	21.06			0.30											
LMK	HE	109.0	IAML			17:31	19.89	189	0.44													WLF1	HN	65.7	ES			22:07	28.67			-0.15											
AU07	HZ	113.0	EP			17:31	02.35			0.15												WLF1	HE	65.7	IAML			22:07	29.53	8	0.20												
AU07	HE	113.0	IAML			17:31	19.12	262	0.32													WLF1	HN	65.7	IAML			22:07	29.87	5	0.10												
AU07	HN	113.0	IAML			17:31	21.54	231	0.36													WPS	HZ	72.0	EP			22:07	22.18			0.45											
AU08	HZ	126.0	EP			17:31	04.20			-0.08												WPS	HN	72.0	IAML			22:07	31.00	7	0.40												
AU08	HE	126.0	IAML			17:31	22.58	44	0.37													WPS	HE	72.0	IAML			22:07	31.01	9	0.26												
AU08	HN	126.0	IAML			17:31	27.11	71	0.46													LLW	BZ	91.8	EP			22:07	25.00			0.17											
AT10	HZ	131.0	EP			17:31	05.40			0.31												LLW	BE	91.8	ES			22:07	35.26			-0.60											
AT10	HE	131.0	IAML			17:31	23.89	242	0.44													RSBS	HZ	100.0	EP			22:07	26.24			0.07											
AT10	HN	131.0	IAML			17:31	24.48	192	0.40													DSB	HZ	101.0	EP			22:07	26.73			0.48											
WINS	HZ	142.0	EP			17:31	07.09			0.52												DSB	HN	101.0	ES			22:07	37.61			-0.70											
WINS	HE	142.0	IAML			17:31	26.28	194	0.62													DSB	HN	101.0	IAML			22:07	37.92	4	0.33												
WINS	HN	142.0	IAML			17:31	26.55	276	0.60													DSB	HE	101.0	IAML			22:07	39.04	3	0.32												
AP12	HZ	144.0	EP			17:31	07.79			0.88												FOEL	HZ	123.0	EP			22:07	29.62			-0.09											
AP12	HN	144.0	IAML			17:31	26.27	58	0.44													FOEL	HN	123.0	IAML			22:07	44.78	6	0.29												
AP12	HE	144.0	IAML			17:31	26.82	74	0.44													FOEL	HE	123.0	IAML			22:07	45.03	4	0.18												
GDLE	HZ	147.0	EP			17:31	07.16			-0.17												HLM1	HZ	149.0	EP			22:07	33.65			0.19											
AT12	HE	148.0	IAML			17:31	26.90	205	0.40													HLM1	HE	149.0	IAML			22:07	52.11	4	0.13												
AT12	HN	148.0	IAML			17:31	27.79	310	0.38													HLM1	HN	149.0	IAML			22:07	52.38	5	0.14												
MCH1	HZ	160.0	EP			17:31	09.08			-0.03												IOMK	HZ	161.0	EP			22:07	35.10			0.01											
MCH1	HE	160.0	ES			17:31	28.07			0.25												MCH1	HZ	167.0	EP			22:07	35.72			-0.13											
MCH1	HE	160.0	IAML			17:31	29.75	107	0.26													MCH1	HE	167.0	IAML			22:07	56.06	4	0.34												
MCH1	HN	160.0	IAML			17:31	29.98	127	0.28													MCH1	HN	167.0	IAML			22:07	56.42	4	0.23												
WLF1	HZ	164.0	EP			17:31	09.78			0.10																																	

TABLE 2 : PHASE DATA

WACR	HE	74.2	ES			18:05	31.77			-0.10	FOO	HN	69.9	IAML	05:41	17.59	2083	0.44													
WACR	HN	74.2	IAML			18:05	32.87	8	0.15		MOL	HZ	237.0	EP	05:41	31.76			0.57												
WACR	HE	74.2	IAML			18:05	34.03	10	0.21		MOL	HN	237.0	IAML	05:42	00.81	126	0.30													
CWF	HZ	81.9	EP			18:05	23.96			0.12	MOL	HE	237.0	IAML	05:42	01.92	93	0.44													
CWF	HN	81.9	ES			18:05	33.76			-0.23	KMY	HZ	252.0	EP	05:41	33.00			-0.03												
CWF	HN	81.9	IAML			18:05	33.92	8	0.18		KMY	HE	252.0	IAML	05:42	07.05	1238	0.26													
CWF	HE	81.9	IAML			18:05	35.19	10	0.14		KMY	HN	252.0	IAML	05:42	08.78	730	0.28													
AU08	HZ	115.0	EP			18:05	29.71			0.75	LRW	HZ	305.0	EP	05:41	40.29			0.70												
AU08	HN	115.0	ES			18:05	43.28			0.42	LRW	HE	305.0	IAML	05:42	12.72	140	0.44													
AU08	HE	115.0	IAML			18:05	44.52	5	0.25		LRW	HN	305.0	IAML	05:42	14.09	67	0.48													
AU08	HN	115.0	IAML			18:05	46.35	6	0.20		SNART	HZ	386.0	EP	05:41	49.70			0.08												
HPK	HZ	130.0	EP			18:05	31.62			0.33	SNART	HE	386.0	IAML	05:42	46.14	772	0.42													
GDLE	HZ	150.0	EP			18:05	34.21			0.08	SNART	HN	386.0	IAML	05:42	46.79	330	0.28													
January 13 2024										Time: 11:21		46.0 UTC		Magnitude: 0.5 ML																	
Lat: 51.614										Lon: -3.329				Depth: 12.9 km																	
Grid Ref: 307.99 kmE										191.46 kmN				RMS: 0.20 secs																	
Locality: PONTYPRIDD,RHONDDA CT																															
Velocity model: Lownet										Xnear: 100.0		Xfar: 150.0																			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	MCD	HZ	581.0	EP	05:42	13.88			-0.01												
MONM	HZ	44.1	EP			11:21	53.74			-0.03	MCD	HN	581.0	IAML	05:43	10.93	68	0.41													
MONM	HE	44.1	ES			11:21	59.60			0.16	MCD	HE	581.0	IAML	05:43	11.17	76	0.20													
MONM	HE	44.1	IAML			11:21	59.75	4	0.10		TARL	HZ	603.0	EP	05:42	16.61			-0.04												
MONM	HN	44.1	IAML			11:21	59.91	7	0.14		TARL	HN	603.0	IAML	05:43	18.78	194	0.12													
MCH1	HZ	48.4	EP			11:21	54.40			-0.04	DRUM	HZ	612.0	EP	05:42	17.77			-0.02												
MCH1	HE	48.4	ES			11:22	00.48			-0.12	DRUM	HN	612.0	IAML	05:43	20.52	85	0.66													
MCH1	HE	48.4	IAML			11:22	00.62	7	0.18		DRUM	HE	612.0	IAML	05:43	22.52	70	0.54													
MCH1	HN	48.4	IAML			11:22	00.72	3	0.18		LINV	HN	620.0	IAML	05:43	20.42	26	0.16													
SMD	HE	54.4	ES			11:22	02.17			-0.08	LINV	HE	620.0	IAML	05:43	21.48	27	0.12													
SMD	HE	54.4	IAML			11:22	03.23	3	0.18		MUD	HN	626.0	IAML	05:44	01.09	204	0.78													
SMD	HN	54.4	IAML			11:22	04.54	3	0.20		MUD	HE	626.0	IAML	05:44	07.83	183	0.72													
HLM1	HN	105.0	ES			11:22	15.63			-0.01	PITL	HZ	660.0	EP	05:42	23.67			-0.05												
HLM1	HE	105.0	IAML			11:22	18.08	2	0.39		PITL	HE	660.0	IAML	05:43	29.22	31	0.10													
HLM1	HE	105.0	IAML			11:22	17.63	2	0.18		PITL	HN	660.0	IAML	05:43	30.33	24	0.24													
RSBS	HZ	105.0	EP			11:22	03.37			0.34	GVIE	HZ	673.0	EP	05:42	24.54			-0.81												
RSBS	HN	105.0	ES			11:22	15.25			-0.21	GVIE	HE	673.0	IAML	05:43	32.00	25	0.46													
RSBS	HE	105.0	IAML			11:22	16.05	1	0.11		GVIE	HN	673.0	IAML	05:43	34.09	25	0.38													
RSBS	HN	105.0	IAML			11:22	16.38	2	0.14		KPL	HZ	700.0	EP	05:42	28.19			-0.43												
											KPL	HE	700.0	IAML	05:43	37.16	17	0.36													
January 13 2024										Time: 20:38		49.1 UTC		Magnitude: 1.1 ML																	
Lat: 54.339										Lon: -3.058				Depth: 2.6 km																	
Grid Ref: 331.22 kmE										494.25 kmN				RMS: 0.20 secs																	
Locality: GRIZEDALE,CUMBRIA																															
Velocity model: Lownet										Xnear: 100.0		Xfar: 200.0																			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	EDI	HZ	729.0	EP	05:42	32.12			-0.10												
AP12	HZ	13.9	EP			20:38	52.05			0.07	EDI	HN	729.0	IAML	05:43	45.27	16	0.24													
AP12	HN	13.9	ES			20:38	53.86			-0.21	EDI	HE	729.0	IAML	05:43	46.42	26	0.34													
AP12	HN	13.9	IAML			20:38	53.95	62	0.08		EAB	HZ	744.0	EP	05:42	33.75			-0.33												
AP12	HE	13.9	IAML			20:38	54.39	44	0.18		EAB	HN	744.0	IAML	05:43	48.78	21	0.24													
AQ12	HZ	22.7	EP			20:38	53.33			-0.17	EAB	HE	744.0	IAML	05:43	49.97	22	0.54													
AQ12	HE	22.7	IAML			20:38	57.01	18	0.15		LAW	HZ	777.0	EP	05:42	37.19			-1.10												
AQ12	HN	22.7	IAML			20:38	57.16	39	0.07		LAW	HN	777.0	IAML	05:43	54.15	34	0.30													
KESW	HZ	28.0	EP			20:38	54.07			-0.30	LAW	HE	777.0	IAML	05:43	56.00	33	0.18													
KESW	HE	28.0	IAML			20:38	57.99	29	0.64		ESK	HZ	788.0	EP	05:42	38.97			-0.61												
KESW	HN	28.0	IAML			20:38	58.10	20	0.26		ESK	HE	788.0	IAML	05:43	58.02	23	0.26													
AR09	HZ	42.1	EP			20:38	56.81			0.00	ESK	HN	788.0	IAML	05:44	01.06	17	0.50													
AR09	HN	42.1	ES			20:39	01.97			-0.44	AT10	HZ	832.0	EP	05:42	43.74			-1.36												
AR09	HE	42.1	IAML			20:39	02.76	102	0.10		AT10	HE	832.0	IAML	05:44	07.20	22	0.34													
AR09	HN	42.1	IAML			20:39	02.83	96	0.07		AT10	HN	832.0	IAML	05:44	08.90	42	0.24													
AR07	HZ	54.6	EP			20:38	59.00			0.19	AU08	HZ	848.0	EP	05:42	46.19			-0.87												
AR07	HN	54.6	ES			20:39	06.01			0.12	CTON	HZ	861.0	EP	05:42	47.22			-1.50												
AR07	HE	54.6	IAML			20:39	06.49	13	0.30		CTON	HE	861.0	IAML	05:44	13.96	15	0.34													
AR07	HN	54.6	IAML			20:39	07.92	18	0.36		CTON	HN	861.0	IAML	05:44	14.71	17	0.50													
CTON	HZ	73.5	EP			20:39	01.84			0.06	AQ12	HZ	863.0	EP	05:42	47.65			-1.25												
CTON	HE	73.5	IAML			20:39	10.91	8	0.12		AQ12	HE	863.0	IAML	05:44	12.21	10	0.24													
CTON	HN	73.5	IAML			20:39	12.14	9	0.19		AQ12	HN	863.0	IAML	05:44	15.47	11	0.30													
WINS	HZ	83.0	EP			20:39	03.54			0.34	AR09	HZ	876.0	EP	05:42	50.02			-0.58												
WINS	HE	83.0	IAML			20:39	16.81	35	0.20		AR09	HE	876.0	IAML	05:44	15.77	36	0.36													
WINS	HN	83.0	IAML			20:39	16.86	20	0.18		AR09	HN	876.0	IAML	05:44	18.14	44	0.20													
IOMK	HZ	98.6	EP			20:39	05.65			0.03	AR05	HZ	890.0	EP	05:42	51.22			-1.11												
IOMK	HE	98.6	IAML			20:39	17.75	3	0.08		AR05	HE	890.0	IAML	05:44	17.98	19	0.62													
IOMK	HN	98.6	IAML			20:39	18.23	5	0.16		AR05	HN	890.0	IAML	05:44	26.16	18	0.42													
ESK	HZ	109.0	EP			20:39	07.67			0.38	AR07	HZ	900.0	EP	05:42	53.02			-0.54												
ESK	HE	109.0	IAML			20:39	21.22	3	0.22		AR07	HE	900.0	IAML	05:44	23.34	21	0.26													
ESK	HN	109.0	IAML			20:39	21.29	3	0.15		AS02	HZ	935.0	EP	05:42	56.88			-1.03												
EKA	BZ	111.0	EP			20:39	07.52			-0.04	AS02	HE	935.0	IAML	05:44	27.85	15	0.44													
NEWG	HZ	115.0	EP			20:39	08.17			0.02	AS02	HN	935.0	IAML	05:44	32.57	12	0.30													
NEWG	HN	115.0	IAML			20:39	22.34	2	0.12		January 17 2024										Time: 12:18		32.7 UTC		Magnitude: 1.4 ML						
NEWG	HE	115.0	IAML			20:39	22.97	3	0.17		Lat: 56.596										Lon: -5.687		Depth: 9.8 km								
January 16 2024										Time: 05:40		57.5 UTC		Magnitude: 3.9 ML		Grid Ref: 173.68 kmE				750.97 kmN		RMS: 0.10 secs									
Lat: 61.356										Lon: 3.831				Depth: 12.7 km		Locality: MORVERN,HIGHLAND															
Grid Ref: 711.52 kmE										1288.79 kmN				RMS: 0.50 secs		Velocity model: Lownet				Xnear: 100.0		Xfar: 200.0									
Locality: NORWEGIAN SEA																				STAT		CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
Velocity model: North Sea										Xnear: 500.0		Xfar: 1000.0								LAW		HE	41.4	ES			12:18	40.09			0.09
Comment: FELT WESTERN NORWAY										Intensity: 3										LAW		HN	41.4	IAML			12:18	45.14			-0.19
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	KPL	HZ	82.8	EP		12:18	46.36			-0.03											
SUE	HZ	60.0	EP			05:41	07.86			0.57	KPL	HN	82.8	IAML		12:18	59.74			0.18											
SUE	HN	60.0	ES			05:41	14.56			0.10	KPL	HE	82.8	IAML		12:19	00.00			0.14											
SUE	HN	60.0	IAML			05:41	14.85	8765	0.22		GVIE	HZ	88.8	EP		12:18	47.51			0.06											
SUE	HE	60.0	IAML			05:41	14.98	8609	0.24		GVIE	HE	88.8	IAML		12:19	00.19			6	0.16										
FOO	HZ	69.9	EP			05:41	08.87			0.06	GVIE	HN	88.8	IAML		12:19	00.74			90	0.12										
FOO	HN	69.9	ES			05:41	16.36			-0.73	EAB	HZ	94.9	EP		12:18	48.46					0.15									
FOO	HE	69.9	IAML			05:41	17.34	1166	0.22		EAB	HN	94.9	IAML		12:19</															

TABLE 2 : PHASE DATA

EAB	HE	94.9	IAML		12:19	02.94	10	0.22		HLM1	HE	306.0	IAML	13:55	01.97	41	0.44	
INVG	HZ	103.0	EP		12:18	49.46		-0.09		HLM1	HN	306.0	IAML	13:55	04.28	39	0.34	
INVG	HE	103.0	IAML		12:19	04.26	16	0.10		SBD	BZ	347.0	EP	13:54	27.38		-0.76	
INVG	HN	103.0	IAML		12:19	04.27	10	0.15		SBD	BN	347.0	IAML	13:55	21.74	34	0.54	
										SBD	BE	347.0	IAML	13:55	26.12	32	0.55	
January 17 2024			Time: 20:43 59.8 UTC			Magnitude: 1.1 ML				FOEL	HZ	350.0	EP	13:54	28.72		0.14	
Lat: 56.493			Lon: -6.389			Depth: 2.6 km				LOCF	HZ	350.0	EP	13:54	27.67		-0.83	
Grid Ref: 129.89 kmE			742.06 kmN			RMS: 0.40 secs				LOCF	HE	350.0	IAML	13:55	21.65	36	0.62	
Locality: MULL,ARGYLL & BUTE										LOCF	HN	350.0	IAML	13:55	24.55	31	0.54	
Velocity model: Lownet			Xnear: 150.0			Xfar: 300.0				FOEL	HE	350.0	IAML	13:55	22.70	51	0.50	
Comment: TRESHNISH ISLES										FOEL	HN	350.0	IAML	13:55	22.70	42	0.44	
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES	CCA1	HZ	389.0	EP	13:54	32.85		-0.56	
LAW	HZ	66.4	EP		20:44	11.13			-0.20	CCA1	HN	389.0	IAML	13:55	40.13	18	0.64	
LAW	HN	66.4	ES		20:44	19.33			-0.39	CCA1	HE	389.0	IAML	13:55	40.83	16	0.64	
LAW	HN	66.4	IAML		20:44	21.38	9	0.24		HGN	HZ	405.0	EP	13:54	34.72		-0.60	
LAW	HE	66.4	IAML		20:44	23.55	10	0.16										
KPL	HZ	104.0	EP		20:44	16.97			-0.22	January 23 2024			Time: 13:49 16.2 UTC			Magnitude: 1.0 ML		
KPL	HN	104.0	IAML		20:44	33.87	7	0.18		Lat: 55.746			Lon: -5.353			Depth: 7.6 km		
KPL	HE	104.0	IAML		20:44	34.59	8	0.14		Grid Ref: 189.58 kmE			655.38 kmN			RMS: 0.30 secs		
EAB	HZ	131.0	EP		20:44	21.83			0.41	Locality: SKIPNESS,ARGYLL & BUTE								
EAB	HE	131.0	IAML		20:44	23.93	2	0.09		Velocity model: Lownet			Xnear: 100.0			Xfar: 200.0		
EAB	HN	131.0	IAML		20:44	25.73	1	0.06		Comment: OFFSHORE SKIPNESS								
GVIE	HZ	131.0	EP		20:44	21.22			-0.18	STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	
INVG	HZ	145.0	EP		20:44	23.82			0.47	PGB1	HZ	55.0	EP		13:49	25.74		0.18
INVG	HE	145.0	IAML		20:44	23.96	4	0.20		PGB1	HN	55.0	ES		13:49	32.28		-0.14
INVG	HN	145.0	IAML		20:44	24.23	1	0.28		PGB1	HN	55.0	IAML		13:49	33.84	7	0.30
CLGH	HZ	158.0	EP															

TABLE 2 : PHASE DATA

January 26 2024		Time: 15:05 05.6 UTC		Magnitude: 3.2 ML		GEL05 CE 7.5 IAML		00:06 38.13 166 0.10		
Lat: 61.567		Lon: 2.247		Depth: 22.7 km		GEL05 CN 7.5 IAML		00:06 38.40 131 0.07		
Grid Ref: 625.46 kmE 1305.72 kmN		RMS: 0.30 secs				GEL02 CZ 9.3 IP		00:06 36.93 0.02		
Locality: NORWEGIAN SEA						GEL02 CE 9.3 IAML		00:06 38.57 1324 0.10		
Velocity model: North Sea		Xnear: 500.0		Xfar: 1000.0		GEL02 CN 9.3 IAML		00:06 38.72 838 0.10		
Comment: 240KM NE LERWICK						GEL07 CZ 12.0 IP		C 00:06 37.37 0.08		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
SUE	HZ	146.0	EP			15:05	27.12			0.04
SUE	HN	146.0	IAML			15:05	43.10	374	0.18	
SUE	HE	146.0	IAML			15:05	43.65	307	0.28	
FOO	HZ	148.0	EP			15:05	27.02			-0.36
FOO	HN	148.0	IAML			15:05	43.42	74	0.30	
FOO	HE	148.0	IAML			15:05	46.32	50	0.14	
BER	HZ	213.0	EP			15:05	35.20			-0.18
BER	HN	213.0	IAML			15:05	58.19	50	0.44	
BER	HE	213.0	IAML			15:05	59.56	43	0.15	
LRW	HZ	245.0	EP			15:05	39.88			0.50
LRW	HE	245.0	IAML			15:06	29.25	119	0.36	
LRW	HN	245.0	IAML			15:06	31.05	137	0.56	
MOL	HZ	299.0	EP			15:05	46.33			0.28
MOL	HN	299.0	IAML			15:06	16.92	12	0.34	
MOL	HE	299.0	IAML			15:06	29.98	11	0.38	
KMY	HZ	311.0	EP			15:05	47.88			0.34
KMY	HN	311.0	IAML			15:06	20.82	96	0.26	
KMY	HE	311.0	IAML			15:06	21.22	58	0.24	
SNART	HZ	454.0	EP			15:06	05.28			-0.04
SNART	HE	454.0	IAML			15:06	52.37	56	0.44	
SNART	HN	454.0	IAML			15:06	52.87	33	0.24	
BIGH	HZ	484.0	EP			15:06	08.89			-0.23
BIGH	HE	484.0	IAML			15:06	57.49	37	0.44	
BIGH	HN	484.0	IAML			15:06	58.14	43	0.34	
MCD	HZ	541.0	EP			15:06	16.56			0.34
MCD	HN	541.0	IAML			15:07	11.45	67	0.26	
MCD	HE	541.0	IAML			15:07	11.88	59	0.70	
LINV	HZ	564.0	EP			15:06	18.62			-0.42
LINV	HE	564.0	IAML			15:07	14.19	17	0.34	
LINV	HN	564.0	IAML			15:07	15.56	22	0.36	
TARL	HZ	570.0	EP			15:06	19.69			-0.11
DRUM	HZ	584.0	EP			15:06	21.60			0.08
DRUM	HE	584.0	ES			15:07	16.94			-0.00
PITL	HZ	625.0	EP			15:06	26.47			-0.12
PITL	HN	625.0	IAML			15:07	28.04	37	0.36	
PITL	HE	625.0	IAML			15:07	29.04	34	0.28	
INVG	HZ	676.0	EP			15:06	32.48			-0.50
INVG	HE	676.0	IAML			15:07	40.58	17	0.36	
INVG	HN	676.0	IAML			15:07	40.75	23	0.38	
EAB	HZ	708.0	EP			15:06	36.48			-0.48
ESK	HZ	765.0	EP			15:06	44.64			0.68
January 27 2024		Time: 13:18 42.4 UTC		Magnitude: 1.2 ML		GEL05 CE 7.5 IAML		00:06 38.13 166 0.10		
Lat: 55.484		Lon: -5.085		Depth: 7.6 km		GEL05 CN 7.5 IAML		00:06 38.40 131 0.07		

TABLE 2 : PHASE DATA

GEL07	CE	11.9	IAML	00:16	18.47	28	0.08	
GEL03	CZ	12.5	EP	00:16	16.46			-0.00
GEL03	CE	12.5	IAML	00:16	18.58	384	0.06	
GEL03	CN	12.5	IAML	00:16	18.59	312	0.10	
GEL09	CZ	13.1	EP	00:16	16.66			0.08
GEL09	CN	13.1	IAML	00:16	18.75	83	0.11	
GEL09	CE	13.1	IAML	00:16	18.76	109	0.09	
SBD	BE	61.1	IAML	00:16	31.78	6	0.09	
SBD	BN	61.1	IAML	00:16	32.18	5	0.06	
DYA	HE	96.5	IAML	00:16	43.42	4	0.22	
DYA	HN	96.5	IAML	00:16	43.71	6	0.18	

January 28 2024 Time: 00:37 44.6 UTC Magnitude: 1.3 ML
Lat: 50.123 Lon: -5.194 Depth: 7.9 km
Grid Ref: 171.72 kmE 29.73 kmN RMS: 0.10 secs
Locality: CONSTANTINE, CORNWALL
Velocity model: Cornwall Xnear: 50.0 Xfar: 100.0
Comment: FELT CONSTANTINE... Intensity: 3

STATION	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CCA1	HZ	7.5	IP		D	00:37	46.45			-0.03
CCA1	HN	7.5	ES			00:37	47.77			-0.19
CCA1	HE	7.5	IAML			00:37	47.89	52	0.10	
CCA1	HN	7.5	IAML			00:37	47.94	62	0.24	
GEL05	CZ	7.5	IP		D	00:37	46.47			-0.01
GEL05	CE	7.5	IAML			00:37	47.93	102	0.05	
GEL05	CN	7.5	IAML			00:37	48.15	66	0.06	
GEL02	CZ	9.2	IP		D	00:37	46.72			0.04
GEL02	CE	9.2	ES			00:37	48.28			-0.04
GEL02	CE	9.2	IAML			00:37	48.38	766	0.08	
GEL02	CN	9.2	IAML			00:37	48.48	408	0.10	
GEL07	CZ	11.9	EP			00:37	47.15			0.09
GEL07	CN	11.9	IAML			00:37	49.10	97	0.10	
GEL07	CE	11.9	IAML			00:37	49.13	41	0.08	
GEL03	CZ	12.5	EP			00:37	47.19			0.05
GEL03	CE	12.5	ES			00:37	49.14			0.02
GEL03	CE	12.5	IAML			00:37	49.25	545	0.06	
GEL03	CN	12.5	IAML			00:37	49.26	417	0.10	
GEL09	CZ	13.1	IP		D	00:37	47.34			0.10
GEL09	CE	13.1	ES			00:37	49.27			-0.04
GEL09	CN	13.1	IAML			00:37	49.41	96	0.07	
GEL09	CE	13.1	IAML			00:37	49.42	159	0.06	
DYA	HZ	96.5	EP			00:38	01.28			0.59
DYA	HE	96.5	IAML			00:38	14.21	5	0.09	
DYA	HN	96.5	IAML			00:38	14.40	8	0.20	

January 28 2024 Time: 00:41 36.4 UTC Magnitude: 0.2 ML
Lat: 50.123 Lon: -5.194 Depth: 7.9 km
Grid Ref: 171.72 kmE 29.73 kmN RMS: 0.10 secs
Locality: CONSTANTINE, CORNWALL
Velocity model: Cornwall Xnear: 50.0 Xfar: 100.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CCA1	HZ	7.5	EP			00:41	38.21			-0.07
CCA1	HE	7.5	IAML			00:41	39.72	6	0.06	
CCA1	HN	7.5	IAML			00:41	39.72	3	0.09	
GEL05	CZ	7.5	IP		D	00:41	38.25			-0.04
GEL05	CE	7.5	ES			00:41	39.64			-0.13
GEL05	CN	7.5	IAML			00:41	39.72	5	0.06	
GEL05	CE	7.5	IAML			00:41	39.72	9	0.06	
GEL02	CZ	9.2	EP			00:41	38.48			-0.01
GEL02	CE	9.2	ES			00:41	40.06			-0.06
GEL02	CE	9.2	IAML			00:41	40.16	60	0.07	
GEL02	CN	9.2	IAML			00:41	40.26	32	0.10	
GEL07	CZ	11.9	EP			00:41	38.94			0.08
GEL07	CN	11.9	IAML			00:41	40.88	7	0.10	
GEL07	CE	11.9	IAML			00:41	40.92	4	0.09	
GEL03	CZ	12.5	EP			00:41	39.11			0.17
GEL03	CN	12.5	ES			00:41	40.93			0.00
GEL03	CE	12.5	IAML			00:41	41.03	41	0.06	
GEL03	CN	12.5	IAML			00:41	41.04	32	0.10	
GEL09	CZ	13.1	EP			00:41	39.10			0.06
GEL09	CE	13.1	IAML			00:41	41.17	11	0.10	
GEL09	CN	13.1	IAML			00:41	41.19	9	0.07	

January 28 2024 Time: 01:37 42.4 UTC Magnitude: 0.5 ML
Lat: 50.123 Lon: -5.194 Depth: 7.9 km
Grid Ref: 171.72 kmE 29.73 kmN RMS: 0.20 secs
Locality: CONSTANTINE, CORNWALL
Velocity model: Cornwall Xnear: 50.0 Xfar: 100.0

STATION	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CCA1	HZ	7.5	EP			01:37	44.19			-0.17
CCA1	HE	7.5	IAML			01:37	45.65	12	0.05	
CCA1	HN	7.5	IAML			01:37	45.87	6	0.06	
GEL05	CZ	7.5	EP			01:37	44.17			-0.19
GEL05	CE	7.5	IAML			01:37	45.66	20	0.04	
GEL05	CN	7.5	IAML			01:37	45.88	11	0.06	
GEL02	CZ	9.2	EP			01:37	44.56			-0.00
GEL02	CN	9.2	ES			01:37	46.02			-0.18
GEL02	CE	9.2	IAML			01:37	46.11	99	0.08	
GEL02	CN	9.2	IAML			01:37	46.20	51	0.10	
GEL07	CZ	11.9	EP			01:37	45.35			0.41
GEL07	CN	11.9	IAML			01:37	46.83	13	0.10	
GEL07	CE	11.9	IAML			01:37	47.03	5	0.08	
GEL03	CZ	12.5	EP			01:37	45.45			0.44
GEL03	CE	12.5	ES			01:37	46.88			-0.12

GEL03	CE	12.5	IAML	01:37	46.97	67	0.06	
GEL03	CN	12.5	IAML	01:37	46.98	51	0.10	
GEL09	CZ	13.1	EP	01:37	45.06			-0.06
GEL09	CE	13.1	ES	01:37	47.05			-0.13
GEL09	CE	13.1	IAML	01:37	47.11	21	0.10	
GEL09	CN	13.1	IAML	01:37	47.13	14	0.06	

January 28 2024 Time: 02:24 16.6 UTC Magnitude: 1.8 ML
Lat: 53.742 Lon: -1.463 Depth: 8.9 km
Grid Ref: 435.41 kmE 427.45 kmN RMS: 0.30 secs
Locality: ROTHWELL,W YORKSHIRE

Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
HPK	HZ	26.3	IP		D	02:24	21.48			-0.06
HPK	HN	26.3	ES			02:24	25.37			0.20
HPK	HN	26.3	IAML			02:24	26.08	182	0.20	
HPK	HE	26.3	IAML			02:24	26.11	216	0.14	
AS02	HZ	40.4	EP			02:24	23.35			-0.38
AS02	HN	40.4	ES			02:24	28.82			-0.14
AS02	HE	40.4	IAML			02:24	28.98	38	0.24	
AS02	HN	40.4	IAML			02:24	29.65	32	0.24	
AR05	HZ	45.8	EP			02:24	24.49			-0.08
AR05	HN	45.8	ES			02:24	30.19			-0.22
AR05	HE	45.8	IAML			02:24	31.65	86	0.38	
AR05	HN	45.8	IAML			02:24	31.65	142	0.20	
AU08	HZ	67.6	EP			02:24	27.80			-0.13
AU08	HE	67.6	IAML			02:24	37.35	19	0.14	
AU08	HN	67.6	IAML			02:24	38.99	28	0.16	
AR07	HZ	71.3	EP			02:24	28.90			0.39
AR07	HE	71.3	IAML			02:24	38.45	198	0.24	
AR07	HN	71.3	IAML			02:24	38.80	151	0.26	
AT10	HE	72.3	ES			02:24	37.27			-0.27
AT10	HN	72.3	IAML			02:24	37.78	72	0.24	
AT10	HE	72.3	IAML			02:24	37.81	133	0.32	
LMK	HE	81.7	IAML			02:24	41.61	73	0.29	
LMK	HN	81.7	IAML			02:24	41.83	86	0.34	
GDLE	HN	86.7	IAML			02:24	43.07	82	0.34	
GDLE	HE	86.7	IAML			02:24	44.63	50	0.19	
STNC	HZ	87.7	EP			02:24	31.39			0.34
STNC	HE	87.7	IAML			02:24	42.69	24	0.16	
STNC	HN	87.7	IAML			02:24	44.50	21	0.48	
AT12	HZ	93.0	EP			02:24	32.09			0.26
AT12	HN	93.0	ES			02:24	42.78			-0.20
AT12	HE	93.0	IAML			02:24	44.50	121	0.16	
AT12	HN	93.0	IAML			02:24	44.75	136	0.22	
WINS	HZ	93.3	EP			02:24	32.35			0.44
WINS	HE	93.3	IAML			02:24	44.55	26	0.14	
WINS	HN	93.3	IAML			02:24	44.89	46	0.16	
CWF	HZ	112.0	EP			02:24	34.62			-0.22
CWF	HN	112.0	IAML			02:24	47.76	14	0.10	
CWF	HE	112.0	IAML			02:24	48.07	17	0.24	
AP12	HN	134.0	ES			02:24	53.27			-0.42
AP12	HN	134.0	IAML			02:24	54.92	15	0.22	
AP12	HE	134.0	IAML			02:24	55.62	17	0.14	
KESW	HZ	143.0	EP			02:24	39.58			0.30
KESW	HN	143.0	IAML			02:24	57.92	12	0.32	
KESW	HE	143.0	IAML			02:24	58.25	12	0.17	
FOEL	HZ	150.0	EP			02:24	40.51			0.21
FOEL	HN	150.0	IAML			02:24	59.28	13	0.35	
FOEL	HE	150.0	IAML			02:25	02.23	11	0.60	
HLM1	HZ	166.0	EP			02:24	43.21			0.61
HLM1	HN	166.0	IAML			02:25	03.26	5	0.18	
HLM1	HE	166.0	IAML			02:25	03.60	9	0.48	
MCH1	HE	220.0	IAML							

January 28 2024 Time: 19:07 38.3 UTC Magnitude: 1.0 ML
Lat: 56.134 Lon: -5.967 Depth: 2.6 km
Grid Ref: 153.54 kmE 700.56 kmN RMS: 0.30 secs

Grid Ref: 153.94 kmE 700.36 kmN RMS: 0.30 secs
Locality: JURA, ARGYLE & BUTE
Velocity model: LowNet Xnear: 100.0 Xfar: 200.0
Comment: OFFSHORE JURA

STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES
LAW6	HZ	37.9	EP		19:07	45.08			-0.09
LAW6	HN	37.9	ES		19:07	49.87			-0.34
LAW6	HE	37.9	IAML		19:07	50.31	25	0.16	
LAW6	HN	37.9	IAML		19:07	50.54	18	0.18	
PGB1	HZ	99.3	EP		19:07	54.97			0.09
PGB1	HN	99.3	IAML		19:08	07.98	7	0.36	
PGB1	HE	99.3	IAML		19:08	08.83	6	0.29	
EAB	HZ	101.0	EP		19:07	55.49			0.27
EAB	HN	101.0	IAML		19:08	09.82	3	0.09	
EAB	HE	101.0	IAML		19:08	10.18	4	0.22	
CLGH	HZ	117.0	EP		19:07	57.44			-0.25
CLGH	HE	117.0	IAML		19:08	12.36	5	0.33	
CLGH	HN	117.0	IAML		19:08	12.61	3	0.19	
INV6	HZ	123.0	EP		19:07	59.14			0.50
INV6	HE	123.0	IAML		19:08	15.68	3	0.12	
INV6	HN	123.0	IAML		19:08	15.86	3	0.14	
IDGL	HZ	153.0	EP		19:08	02.75			-0.23
IDGL	HN	153.0	IAML		19:08	22.74	3	0.25	
IDGL	HE	153.0	IAML		19:08	23.47	3	0.48	

TABLE 2 : PHASE DATA

January 29 2024										Time: 13:11 25.0 UTC		Magnitude: 1.1 ML		INVG	HE	134.0	IAML	19:30	10.51	94	0.33								
Lat: 56.601										Lon: -5.648		Depth: 7.5 km		INVG	HN	134.0	IAML	19:30	11.84	132	0.20								
Grid Ref: 176.11 kmE										751.40 kmN		RMS: 0.20 secs		PGB1	HZ	138.0	EP	19:29	54.74			0.58							
Locality: MORVERN,HIGHLAND																				PGB1	HE	138.0	IAML	19:30	13.29	144	0.51		
Velocity model: Lownet										Xnear: 100.0		Xfar: 200.0		PGB1	HN	138.0	IAML	19:30	16.09	97	0.55								
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	PITL	HZ	161.0	EP	19:29	57.21					-0.25								
LAW	HZ	41.0	EP			13:11	32.31			0.14	PITL	HE	161.0	IAML	19:30	19.46	65	0.10											
LAW	HE	41.0	ES			13:11	37.26			-0.18	PITL	HN	161.0	IAML	19:30	21.41	88	0.34											
LAW	HN	41.0	IAML			13:11	37.47	15	0.11		LINV	HZ	182.0	EP	19:29	59.14					-0.97								
LAW	HE	41.0	IAML			13:11	37.56	16	0.14		LINV	HE	182.0	IAML	19:30	23.67	93	0.15											
KPL	HZ	82.2	EP			13:11	38.56			0.02	LINV	HN	182.0	IAML	19:30	23.69	35	0.18											
KPL	HE	82.2	IAML			13:11	52.18	12	0.16		NEWG	HZ	206.0	EP	19:30	03.10					-0.07								
KPL	HN	82.2	IAML			13:11	52.46	6	0.12		MCD	HZ	209.0	EP	19:30	02.80					-0.74								
GVIE	HZ	86.6	EP			13:11	39.12			-0.24	MCD	HE	209.0	IAML	19:30	40.16	43	0.34											
GVIE	HE	86.6	IAML			13:11	52.54	4	0.34		MCD	HN	209.0	IAML	19:30	42.09	58	0.49											
GVIE	HN	86.6	IAML			13:11	53.86	3	0.30		GALL	HZ	215.0	EP	19:30	03.62					-0.61								
INVG	HZ	101.0	EP			13:11	41.64			0.19	DRUM	HZ	230.0	EP	19:30	05.51					-0.58								
INVG	HN	101.0	IAML			13:11	56.27	10	0.24		ESK	HZ	236.0	EP	19:30	06.71					-0.14								
INVG	HE	101.0	IAML			13:11	56.44	11	0.10																				
PITL	HZ	128.0	EP			13:11	45.76			0.12	January 29 2024										Time: 19:30 03.5 UTC		Magnitude: 3.3 ML						
PITL	HN	128.0	IAML			13:12	02.83	6	0.22		Lat: 56.600										Lon: -6.185		Depth: 6.8 km						
PITL	HE	128.0	IAML			13:12	03.28	5	0.13		Grid Ref: 143.16 kmE										753.17 kmN		RMS: 0.40 secs						
										Locality: MULL,ARGYLL & BUTE																			
January 29 2024										Time: 14:24 59.0 UTC		Magnitude: 2.3 ML		Velocity model: Lownet										Xnear: 100.0		Xfar: 200.0			
Lat: 56.794										Lon: -5.836		Depth: 7.6 km		Comment: FELT MULL...										Intensity: 5					
Grid Ref: 165.78 kmE										773.49 kmN		RMS: 0.30 secs		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES					
Locality: MOIDART,HIGHLAND																				LAW	HZ	61.5	IP	C	19:30	13.79			-0.17
Velocity model: Lownet										Xnear: 150.0		Xfar: 300.0		LAW	HE	61.5	ES			19:30	21.26			-0.34					
Comment: FELT GLENUIG...																				LAW	HE	61.5	IAML	19:30	25.00	695	0.12		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	LAW	HN	61.5	IAML	19:30	25.65	658	0.25											
KPL	HZ	61.7	IP		D	14:25	09.58			0.19	KPL	HZ	88.5	EP	19:30	17.80					-0.32								
KPL	HE	61.7	ES			14:25	16.72			-0.26	KPL	HE	88.5	IAML	19:30	31.77	1045	0.26											
KPL	HE	61.7	IAML			14:25	17.06	132	0.40		KPL	HN	88.5	IAML	19:30	33.70	701	0.22											
KPL	HN	61.7	IAML			14:25	20.99	132	0.16		GVIE	HZ	114.0	EP	19:30	22.29					0.11								
LAW	HZ	65.3	IP		C	14:25	09.97			0.00	GVIE	HN	114.0	IAML	19:30	38.37	1192	0.32											
LAW	HE	65.3	ES			14:25	17.36			-0.62	GVIE	HE	114.0	IAML	19:30	38.60	1092	0.14											
LAW	HE	65.3	IAML			14:25	17.51	246	0.16		EAB	HZ	123.0	EP	19:30	24.06					0.54								
LAW	HN	65.3	IAML			14:25	17.65	187	0.15		EAB	HN	123.0	IAML	19:30	40.07	1211	0.30											
GVIE	HZ	84.8	IP		C	14:25	13.02			-0.08	EAB	HE	123.0	IAML	19:30	40.32	1061	0.34											
GVIE	HE	84.8	IAML			14:25	26.13	122	0.36		INVG	HZ	133.0	EP	19:30	25.61					0.60								
GVIE	HN	84.8	IAML			14:25	26.13	90	0.20		INVG	HE	133.0	IAML	19:30	41.95	803	0.25											
INVG	HZ	117.0	EP			14:25	18.09			0.02	INVG	HN	133.0	IAML	19:30	43.18	1092	0.22											
INVG	HE	117.0	IAML			14:25	34.63	68	0.12		PGB1	HZ	137.0	EP	19:30	25.88					0.31								
INVG	HN	117.0	IAML			14:25	34.83	50	0.12		PGB1	HN	137.0	IAML	19:30	44.30	649	0.21											
PITL	HZ	137.0	EP			14:25	20.99			0.06	PGB1	HE	137.0	IAML	19:30	44.47	1219	0.50											
PITL	HN	137.0	IAML			14:25	37.74	65	0.16		PITL	HZ	160.0	EP	19:30	29.03					0.12								
PITL	HE	137.0	IAML			14:25	39.05	58	0.12		PITL	HE	160.0	IAML	19:30	51.09	490	0.10											
PGB1	HZ	138.0	EP			14:25	21.90			0.86	PITL	HN	160.0	IAML	19:30	52.68	732	0.36											
PGB1	HE	138.0	IAML			14:25	40.00	121	0.17		CLGH	HE	169.0	IAML	19:30	51.00	557	0.38											
PGB1	HN	138.0	IAML			14:25	40.05	109	0.34		CLGH	HN	169.0	IAML	19:30	51.43	586	0.16											
LINV	HZ	155.0	EP			14:25	23.33			-0.21	LINV	HZ	182.0	EP	19:30	32.30					0.60								
MCD	HZ	179.0	EP			14:25	26.91			0.17	LINV	HE	182.0	IAML	19:30	55.03	558	0.16											
MCD	HE	179.0	IAML			14:25	50.92	33	0.47		LINV	HN	182.0	IAML	19:30	56.00	213	0.30											
MCD	HN	179.0	IAML			14:25	51.98	35	0.20		IDGL	HN	189.0	IAML	19:30	57.57	190	0.36											
CLGH	HZ	191.0	EP			14:25	27.95			-0.30	IDGL	HE	189.0	IAML	19:30	58.98	175	0.66											
CLGH	HN	191.0	IAML			14:25	55.76	28	0.22		EDI	HE	200.0	IAML	19:31	03.76	205	0.22											
CLGH	HE	191.0	IAML			14:25	55.86	30	0.34		EDI	HN	200.0	IAML	19:31	04.63	223	0.28											
DRUM	HZ	205.0	EP			14:25	29.65			-0.28	NEWG	HN	205.0	IAML	19:31	03.24	175	0.18											
DRUM	HN	205.0	IAML			14:25	59.09	64	0.60		NEWG	HE	205.0	IAML	19:31	03.35	193	0.18											
DRUM	HE	205.0	IAML			14:26	00.93	32	0.29		MCD	HE	209.0	IAML	19:31	03.73	232	0.26											
NEWG	HE	212.0	IAML			14:25	58.34	46	0.44		MCD	HN	209.0	IAML	19:31	04.54	236	0.14											
NEWG	HN	212.0	IAML			14:25	58.46	29	0.32		TARL	HN	211.0	IAML	19:31	04.67	523	0.16											
IDGL	HE	219.0	IAML			14:26	01.60	14	0.30		TARL	HE	211.0	IAML	19:31	05.00	460	0.12											
IDGL	HN	219.0	IAML			14:26	03.95	13	0.20		GALL	HN	214.0	IAML	19:31	02.22	124	0.18											
BIGH	HZ	221.0	EP			14:25	32.15			0.17	GALL	HE	214.0	IAML	19:31	06.62	137	0.20											
BIGH	HN	221.0	IAML			14:26	03.88	14	0.14		DRUM	HN	229.0	IAML	19:31	11.34	532	0.44											
BIGH	HE	221.0	IAML			14:26	07.01	24	0.30		DRUM	HE	229.0	IAML	19:31	11.41	362	0.36											
ESY	HN	222.0	IAML			14:26	01.92	14	0.44		ESY	HN	234.0	IAML	19:31	10.58	238	0.30											
ESY	HE	222.0	IAML			14:26	02.93	12	0.44		ESY	HE	234.0	IAML	19:31	10.69	244	0.28											
GALL	HZ	226.0	EP			14:25	32.96			0.41	ESK	HE	235.0	IAML	19:31	10.16	132	0.34											
GALL	HE	226.0	IAML			14:26	03.85	15	0.27		ESK	HN	235.0	IAML	19:31	10.63	139	0.22											
GALL	HN	226.0	IAML			14:26	04.82	13	0.32		BIGH	HZ	251.0	EP	19:30	41.20					0.90								
ESK	HZ	232.0	EP			14:25	33.55			0.18	BIGH	HN	251.0	IAML	19:31	14.12	183	0.20											
ESK	HN	232.0	IAML			14:26	04.74	16	0.28		BIGH	HE	251.0	IAML	19:31	14.78	294	0.18											
ESK	HE	232.0	IAML			14:26	05.01	18	0.18		IOMK	HE	280.0	IAML	19:31	22.52	87	0.34											
																				IOMK	HN	280.0	IAML	19:31	22.66	124	0.38		
January 29 2024										Time: 19:29 32.0 UTC		Magnitude: 2.4 ML		ILTH	HE	286.0	IAML	19:31	24.62	111	0.48								
Lat: 56.604										Lon: -6.199		Depth: 7.4 km		ILTH	HN	286.0	IAML	19:31	26.15	61	0.26								
Grid Ref: 142.33 kmE										753.66 kmN		RMS: 0.40 secs		KESW	HE	296.0	IAML	19:31	31.91	77	0.40								
Locality: MULL,ARGYLL & BUTE																				KESW	HN	296.0	IAML	19:31	34.74	85	0.54		

TABLE 2 : PHASE DATA

AR07	HN	374.0	IAML	19:31	35.80	122	0.20			PITL	HZ	161.0	EP	19:35	14.08		0.60		
AR07	HE	374.0	IAML	19:31	36.97	94	0.30			PITL	HN	161.0	IAML	19:35	35.38	6	0.08		
CTON	HE	375.0	IAML	19:31	34.24	82	0.28			PITL	HE	161.0	IAML	19:35	36.31	4	0.07		
CTON	HN	375.0	IAML	19:31	35.55	64	0.29			CLGH	HN	168.0	IAML	19:35	36.19	7	0.50		
WLF1	HZ	386.0	EP	19:30	56.14			-1.01		CLGH	HE	168.0	IAML	19:35	36.19	8	0.50		
WLF1	HN	386.0	IAML	19:31	37.59	82	0.22			TARL	HE	212.0	IAML	19:35	49.58	9	0.15		
WLF1	HE	386.0	IAML	19:31	37.65	46	0.30			TARL	HN	212.0	IAML	19:35	49.59	8	0.11		
AR05	HZ	393.0	EP	19:30	57.56			-0.50											
AR05	HE	393.0	IAML	19:31	41.38	115	0.32			January 29 2024			Time: 19:35 43.9 UTC			Magnitude: 1.2 ML			
AR05	HN	393.0	IAML	19:31	43.48	61	0.44			Lat: 56.600			Lon: -6.201			Depth: 7.4 km			
HPK	HN	413.0	IAML	19:31	44.82	58	0.20			Grid Ref: 142.18 kmE			753.23 kmN			RMS: 0.40 secs			
HPK	HE	413.0	IAML	19:31	45.10	54	0.20			Locality: MULL,ARGYLL & BUTE									
GDLE	HZ	417.0	EP	19:31	00.61			-0.44		Velocity model: Lownet			Xnear: 100.0			Xfar: 200.0			
GDLE	HN	417.0	IAML	19:31	45.12	92	0.30			STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL PERI RES		
GDLE	HE	417.0	IAML	19:31	45.54	69	0.32			LAWE	HZ	62.3	EP	19:35	54.13		-0.34		
AS02	HZ	432.0	EP	19:31	02.49			-0.50		LAWE	HE	62.3	ES	19:36	01.75		-0.41		
AS02	HE	432.0	IAML	19:31	48.96	62	0.46			LAWE	HN	62.3	IAML	19:36	02.30	5	0.16		
AS02	HN	432.0	IAML	19:31	49.48	59	0.16			LAWE	HE	62.3	IAML	19:36	04.93	6	0.10		
AU07	HZ	432.0	EP	19:31	02.96			0.06		KPL	HZ	88.8	EP	19:35	58.74		0.19		
AU07	HN	432.0	IAML	19:31	49.84	121	0.22			KPL	HN	88.8	ES	19:36	08.99		-0.24		
AU07	HE	432.0	IAML	19:31	50.11	96	0.17			KPL	HE	88.8	IAML	19:36	11.49	6	0.30		
AU08	HZ	446.0	EP	19:31	04.39			-0.24		KPL	HN	88.8	IAML	19:36	11.94	3	0.10		
AU08	HN	446.0	IAML	19:31	52.24	33	0.25			GVIE	HZ	115.0	EP	19:36	02.61		-0.08		
AU08	HE	446.0	IAML	19:31	52.64	28	0.28			GVIE	HN	115.0	IAML	19:36	19.75	10	0.26		
LLW	BZ	448.0	EP	19:31	03.98			-0.94		GVIE	HE	115.0	IAML	19:36	19.86	9	0.22		
LLW	BN	448.0	IAML	19:31	53.52	13	0.35			EAB	HZ	124.0	EP	19:36	04.24		0.20		
LLW	BE	448.0	IAML	19:31	53.77	13	0.32			EAB	HN	124.0	ES	19:36	19.29		0.57		
FOEL	HZ	455.0	EP	19:31	04.96			-0.97		EAB	HE	124.0	IAML	19:36	20.56	6	0.11		
FOEL	HE	455.0	IAML	19:31	53.75	47	0.24			EAB	HN	124.0	IAML	19:36	21.25	6	0.20		
FOEL	HN	455.0	IAML	19:31	54.17	48	0.22			INVG	HZ	134.0	EP	19:36	06.04		0.53		
HLM1	HZ	502.0	EP	19:31	10.89			-0.85		INVG	HE	134.0	IAML	19:36	22.17	5	0.21		
LPW	HZ	518.0	EP	19:31	12.80			-0.85		INVG	HN	134.0	IAML	19:36	23.45	7	0.13		
MCH1	HZ	553.0	EP	19:31	17.30			-0.72		PGB1	HZ	138.0	EP	19:36	06.54		0.49		
HEX	HZ	635.0	EP	19:31	27.59			-0.78		PITL	HN	161.0	IAML	19:36	31.20	4	0.17		
										PITL	HE	161.0	IAML	19:36	31.77	4	0.10		
January 29 2024				Time: 19:33 15.0 UTC				Magnitude: 1.9 ML											
Lat: 56.599				Lon: -6.151				Depth: 3.2 km											
Grid Ref: 145.24 kmE				752.93 kmN				RMS: 0.40 secs											
Locality: MULL,ARGYLL & BUTE												January 29 2024				Time: 19:38 24.6 UTC			
Velocity model: Lownet				Xnear: 100.0				Xfar: 200.0				Lat: 56.580				Lon: -6.202			
Comment: FELT MULL...				Intensity: 3								Grid Ref: 141.98 kmE				751.01 kmN			
												Locality: MULL,ARGYLL & BUTE				Magnitude: 1.0 ML			
												Velocity model: Lownet				Xnear: 100.0			
												Xfar: 200.0				Depth: 6.2 km			
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES					RMS: 0.20 secs					
LAWE	HZ	59.8	EP		19:33	25.26			-0.21										
LAWE	HN	59.8	ES		19:33	32.82			-0.27	STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL PERI RES		
LAWE	HN	59.8	IAML		19:33	33.06	19	0.18		LAWE	HZ	61.0	EP	19:38	34.96		-0.02		
LAWE	HE	59.8	IAML		19:33	33.73	20	0.23		LAWE	HN	61.0	ES	19:38	42.45		-0.13		
KPL	HZ	87.8	EP		19:33	29.44			-0.35	LAWE	HN	61.0	IAML	19:38	42.69	7	0.11		
GVIE	HZ	112.0	EP		19:33	33.90			0.22	LAWE	HE	61.0	IAML	19:38	42.83	7	0.10		
GVIE	HE	112.0	IAML		19:33	50.17	48	0.16		KPL	HZ	90.9	EP	19:38	39.51		-0.08		
GVIE	HN	112.0	IAML		19:33	50.96	47	0.26		KPL	HN	90.9	IAML	19:38	52.48	4	0.30		
INVG	HZ	131.0	EP		19:33	37.25			0.69	KPL	HE	90.9	IAML	19:38	52.65	3	0.16		
INVG	HN	131.0	IAML		19:33	54.72	30	0.19		GVIE	HZ	116.0	EP	19:38	43.54		-0.04		
INVG	HE	131.0	IAML		19:33	54.86	32	0.10		GVIE	HE	116.0	IAML	19:38	59.94	7	0.17		
PGB1	HZ	136.0	EP		19:33	37.66			0.47	GVIE	HN	116.0	IAML	19:39	00.64	7	0.24		
PGB1	HE	136.0	IAML		19:33	55.96	36	0.46		INVG	HZ	134.0	EP	19:38	46.81		0.59		
PGB1	HN	136.0	IAML		19:33	57.39	42	0.52		INVG	HE	134.0	IAML	19:39	04.52	3	0.12		
PITL	HZ	158.0	EP		19:33	41.05			0.58	INVG	HN	134.0	IAML	19:39	04.54	3	0.10		
PITL	HE	158.0	IAML		19:34	02.41	14	0.14		PITL	HN	162.0	IAML	19:39	12.36	2	0.12		
PITL	HN	158.0	IAML		19:34	02.41	20	0.11		PITL	HE	162.0	IAML	19:39	12.44	2	0.09		
CLGH	HZ	169.0	EP		19:33	42.40			0.46					January 29 2024					
CLGH	HN	169.0	IAML		19:34	02.88	19	0.20						Time: 19:41 58.6 UTC					
CLGH	HE	169.0	IAML		19:34	03.80	21	0.28						Lat: 56.579					
LINV	HZ	182.0	EP		19:33	43.63			0.06					Lon: -6.216					
LINV	HE	182.0	IAML		19:34	06.64	17	0.14						Grid Ref: 141.12 kmE					
LINV	HN	182.0	IAML		19:34	07.07	7	0.12						750.95 kmN					
MCD	HN	207.0	IAML		19:34	16.12	10	0.22						Locality: MULL,ARGYLL & BUTE					
MCD	HE	207.0	IAML		19:34	18.91	10	0.34						Velocity model: Lownet					
TARL	HN	209.0	IAML		19:34	16.14	27	0.12						Xnear: 100.0					
TARL	HE	209.0	IAML		19:34	16.55	31	0.14						Xfar: 200.0					
DRUM	HN	227.0	IAML		19:34	22.12	13	0.42		STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL PERI RES		
DRUM	HE	227.0	IAML		19:34	24.31	10	0.38		LAWE	HZ	61.6	EP	19:42	09.08		0.02		
January 29 2024				Time: 19:34 47.8 UTC				Magnitude: 1.4 ML											
Lat: 56.591				Lon: -6.198				Depth: 4.9 km											
Grid Ref: 142.31 kmE				752.22 kmN				RMS: 0.40 secs											
Locality: MULL,ARGYLL & BUTE												February 1 2024				Time: 18:34 46.6 UTC			
Velocity model: Lownet				Xnear: 100.0				Xfar: 200.0				Lat: 56.616				Lon: -5.630			
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES					Grid Ref: 177.30 kmE					
LAWE	HZ	61.5	EP		19:34	58.27			-0.09					753.01 kmN					
LAWE	HN	61.5	ES		19:35	05.75			-0.34					Locality: MORVERN,HIGHLAND					
LAWE	HE	61.5	IAML		19:35	08.84	7	0.10						Velocity model: Lownet					
LAWE	HN	61.5	IAML		19:35	09.12	6	0.10						Xnear: 100.0					
KPL	HZ	89.7	EP		19:35	02.36			-0.34					Xfar: 200.0					
KPL	HE	89.7	IAML		19:35	15.80	9	0.27						Comment: FELT ACHARACLE...					
KPL	HN	89.7	IAML		19:35	16.06	5	0.12						Intensity: 3					
GVIE	HZ	115.0	EP		19:35	06.96			0.21	STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL PERI RES		
GVIE	HE	115.0	IAML		19:35	23.13	15	0.16		LAWE	HZ	42.1	IP	C	18:34	53.87		-0.09	
GVIE	HN	115.0	IAML		19:35	23.93	14	0.26		LAWE	HE	42.1	ES	18:34	58.85		-0.51		
INVG	HZ	134.0	EP		19:35	10.24			0.71	LAWE	HN	42.1	IAML	18:34	59.07	731	0.18		
INVG	HN	134.0	IAML		19:35	27.67	9	0.12		LAWE	HE	42.1	IAML	18:34	59.09	854	0.28		
INVG	HE	134.0	IAML		19:35	27.83	9	0.10		KPL	HZ	80.5	EP	18:35	00.07		0.19		
PGB1	HZ	137.0	EP		19:35	10.57			0.57										
PGB1	HN	137.0	IAML		19:35	30.61	14	0.30											
PGB1	HE	137.0	IAML		19:35	31.36	11	0.96											

TABLE 2 : PHASE DATA

KPL	HE	80.5	ES	18:35	09.22				-0.39	AP12	HN	51.7	IAML	21:27	45.55	3	0.29				
KPL	HE	80.5	IAML	18:35	13.63	767	0.26			AP12	HE	51.7	IAML	21:27	45.74	6	0.12				
KPL	HN	80.5	IAML	18:35	14.10	425	0.08			ESK	HZ	65.0	EP	21:27	40.91			-0.25			
GVIE	HE	84.7	IAML	18:35	13.96	271	0.18			ESK	HN	65.0	IAML	21:27	52.08	2	0.24				
GVIE	HN	84.7	IAML	18:35	14.45	233	0.12			ESK	HE	65.0	IAML	21:27	53.01	2	0.12				
EAB	HZ	92.9	EP	18:35	02.18				0.32	NEWG	HZ	89.6	EP	21:27	44.92			-0.04			
EAB	HN	92.9	IAML	18:35	16.38	430	0.40			NEWG	HN	89.6	IAML	21:27	56.83	2	0.40				
EAB	HE	92.9	IAML	18:35	16.71	464	0.46			NEWG	HE	89.6	IAML	21:27	56.90	2	0.20				
INVG	HZ	99.9	EP	18:35	03.12				0.18	GALL	HZ	111.0	EP	21:27	48.61			0.26			
INVG	HN	99.9	ES	18:35	14.56				-0.33	GALL	HN	111.0	IAML	21:28	02.10	3	0.23				
INVG	HN	99.9	IAML	18:35	17.85	508	0.22			GALL	HE	111.0	IAML	21:28	03.10	2	0.27				
INVG	HE	99.9	IAML	18:35	18.03	568	0.10			IOMK	HZ	116.0	EP	21:27	49.18			0.20			
PGB1	HZ	114.0	EP	18:35	05.83				0.66	February 2 2024 Time: 01:38 12.0 UTC Magnitude: 0.8 ML											
PGB1	HN	114.0	IAML	18:35	21.46	319	0.22			Lat: 56.565 Lon: -5.575 Depth: 7.4 km											
PGB1	HE	114.0	IAML	18:35	21.68	304	0.26			Grid Ref: 180.38 kmE 747.16 kmN RMS: 0.20 secs											
PITL	HZ	127.0	EP	18:35	07.27				0.22	Locality: MORVERN,HIGHLAND											
PITL	HN	127.0	IAML	18:35	24.42	468	0.30			Velocity model: Lownet Xnear: 100.0 Xfar: 200.0											
PITL	HE	127.0	IAML	18:35	24.75	375	0.22			STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	
EDI	HZ	170.0	EP	18:35	13.45				0.32	LAW	HZ	35.6	EP	01:38	18.16					-0.26	
EDI	HE	170.0	IAML	18:35	36.64	126	0.42			LAW	HN	35.6	ES	01:38	23.25					0.16	
EDI	HN	170.0	IAML	18:35	36.90	176	0.44			LAW	HE	35.6	IAML	01:38	23.38	10	0.13				
LINV	HZ	172.0	EP	18:35	13.48				0.04	LAW	HN	35.6	IAML	01:38	23.40	8	0.08				
CLGH	HZ	173.0	EP	18:35	13.61				0.02	KPL	HZ	86.4	EP	01:38	26.34					0.08	
CLGH	HN	173.0	IAML	18:35	37.43	102	0.24			KPL	HE	86.4	IAML	01:38	37.86	6	0.26				
CLGH	HE	173.0	IAML	18:35	38.66	105	0.42			KPL	HN	86.4	IAML	01:38	38.33	3	0.14				
TARL	HZ	179.0	EP	18:35	14.30				0.03	EAB	HZ	87.2	EP	01:38	26.63					0.19	
MCD	HZ	180.0	EP	18:35	14.28				-0.12	EAB	HN	87.2	IAML	01:38	40.92	3	0.20				
MCD	HN	180.0	IAML	18:35	39.69	82	0.20			EAB	HE	87.2	IAML	01:38	41.10	4	0.36				
MCD	HE	180.0	IAML	18:35	39.99	96	0.18			INVG	HZ	95.5	EP	01:38	27.56					-0.17	
NEWG	HZ	188.0	EP	18:35	15.41				-0.05	INVG	HE	95.5	IAML	01:38	42.31	5	0.14				
NEWG	HN	188.0	IAML	18:35	40.79	59	0.36			INVG	HN	95.5	IAML	01:38	42.40	5	0.09				
NEWG	HE	188.0	IAML	18:35	40.79	67	0.16			February 2 2024 Time: 04:37 21.4 UTC Magnitude: 1.5 ML											
DRUM	HZ	195.0	EP	18:35	16.67				0.38	Lat: 56.605 Lon: -6.144 Depth: 3.6 km											
DRUM	HN	195.0	IAML	18:35	44.01	232	0.40			Grid Ref: 145.71 kmE 753.57 kmN RMS: 0.40 secs											
DRUM	HE	195.0	IAML	18:35	44.13	158	0.14			Locality: MULL,ARGYLL & BUTE											
ESY	HE	202.0	IAML	18:35	45.18	72	0.64			Velocity model: Lownet Xnear: 100.0 Xfar: 200.0											
ESY	HN	202.0	IAML	18:35	45.21	96	0.50			STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	
GALL	HZ	203.0	EP	18:35	17.43				0.14	LAW	HZ	59.9	EP	04:37	31.59					-0.25	
GALL	HE	203.0	IAML	18:35	45.57	49	0.48			LAW	HN	59.9	ES	04:37	39.18					-0.27	
GALL	HN	203.0	IAML	18:35	46.34	26	0.16			LAW	HN	59.9	IAML	04:37	39.82	12	0.16				
ESK	HZ	209.0	EP	18:35	18.01				-0.09	LAW	HE	59.9	IAML	04:37	41.99	14	0.08				
ESK	HE	209.0	IAML	18:35	47.06	73	0.30			KPL	HZ	87.0	EP	04:37	35.77					-0.24	
ESK	HN	209.0	IAML	18:35	47.15	84	0.22			KPL	HE	87.0	IAML	04:37	49.70	14	0.26				
IDGL	HZ	209.0	EP	18:35	17.41				-0.55	KPL	HN	87.0	IAML	04:37	51.63	9	0.22				
IDGL	HN	209.0	IAML	18:35	47.53	30	0.36			GVIE	HE	111.0	IAML	04:37	57.50	20	0.22				
IDGL	HE	209.0	IAML	18:35	49.52	29	0.30			GVIE	HN	111.0	IAML	04:37	58.66	18	0.30				
BIGH	HZ	233.0	EP	18:35	20.52				-0.49	EAB	HZ	121.0	EP	04:37	41.59					0.28	
BIGH	HN	233.0	IAML	18:35	53.55	34	0.18			EAB	HE	121.0	IAML	04:37	58.00	15	0.18				
BIGH	HE	233.0	IAML	18:35	57.82	52	0.36			EAB	HN	121.0	IAML	04:37	58.22	12	0.18				
AP12	HE	297.0	IAML	18:36	13.00	23	0.36			INVG	HZ	131.0	EP	04:37	43.53					0.68	
AP12	HN	297.0	IAML	18:36	13.71	16	0.32			INVG	HN	131.0	IAML	04:38	00.85	14	0.18				
AT10	HN	376.0	IAML	18:36	37.55	37	0.66			INVG	HE	131.0	IAML	04:38	01.50	12	0.15				
AT10	HE	376.0	IAML	18:36	44.22	27	0.54			PGB1	HZ	136.0	EP	04:37	44.11					0.57	
February 1 2024 Time: 19:06 45.7 UTC Magnitude: 1.4 ML										PGB1	HN	136.0	IAML	04:38	04.07	13	0.38				
Lat: 56.578 Lon: -5.603 Depth: 6.6 km										PGB1	HE	136.0	IAML	04:38	04.17	15	0.42				
Grid Ref: 178.73 kmE 748.69 kmN RMS: 0.10 secs										CLGH	HN	170.0	IAML	04:38	09.90	10	0.20				
Locality: MORVERN,HIGHLAND										CLGH	HE	170.0	IAML	04:38	10.05	8	0.30				
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										LINV	HZ	181.0	EP	04:37	50.35					0.55	
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	LINV	HE	181.0	IAML	04:38	12.75	7	0.40			
LAW	HZ	37.6	IP		C	19:06	52.61			0.03	LINV	HN	181.0	IAML	04:38	14.08	4	0.35			
LAW	HN	37.6	ES			19:06	57.49			-0.08	February 2 2024 Time: 08:17 37.4 UTC Magnitude: 1.1 ML										
LAW	HN	37.6	IAML			19:06	57.79	23	0.16		Lat: 54.763 Lon: -3.274 Depth: 7.7 km										
LAW	HE	37.6	IAML			19:06	57.85	29	0.11		Grid Ref: 318.03 kmE 541.65 kmN RMS: 0.40 secs										
KPL	HZ	84.8	EP			19:07	00.04			-0.02	Locality: ASPATRIA,CUMBRIA										
KPL	HE	84.8	IAML			19:07	12.34	16	0.26		Velocity model: Lownet Xnear: 100.0 Xfar: 150.0										
KPL	HN	84.8	IAML			19:07	12.75	10	0.10		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
EAB	HZ	89.4	EP			19:07	01.05			0.23	KESW	HZ	22.3	IP		D	08:17	41.68			-0.03
EAB	HN	89.4	IAML			19:07	15.28	9	0.30		KESW	HE	22.3	IAML			08:17	44.90	12	0.12	
EAB	HE	89.4	IAML			19:07	15.40	10	0.21		KESW	HN	22.3	IAML			08:17	45.04	17	0.19	
INVG	HZ	97.4	EP			19:07	01.90			-0.17	AQ12	HZ	49.6	IP		D	08:17	46.00			0.04
INVG	HN	97.4	IAML			19:07	16.55	12	0.22		AQ12	HE	49.6	ES			08:17	51.94			-0.30
INVG	HE	97.4	IAML			19:07	16.72	16	0.10		AQ12	HN	49.6	IAML			08:17	52.30	55	0.10	
PITL	HN	126.0	IAML			19:07	23.11	10	0.26		AQ12	HE	49.6	IAML			08:17	52.40	20	0.07	
PITL	HE	126.0	IAML			19:07	23.12	7	0.06		AP12	HZ	50.5	EP			08:17	45.95			-0.11
TARL	HN	179.0	IAML			19:07	36.94	6	0.10		AP12	HE	50.5	IAML			08:17	52.97	14	0.20	
TARL	HE	179.0	IAML			19:07	37.04	10	0.20		AP12	HN	50.5	IAML			08:17	54.16	8	0.13	
February 1 2024 Time: 21:27 30.2 UTC Magnitude: 0.5 ML										ESK	HZ	61.7	EP			08:					
Lat: 54.746 Lon: -2.990 Depth: 7.6 km										ESK	HN	61.7	IAML			08:					
Grid Ref: 336.28 kmE 539.47 kmN RMS: 0.20 secs										ESK	HE	61.7	IAML			08:					
Locality: CALDBECK,CUMBRIA										ESK	HE	61.7	IAML			08:					
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										NEWG	HZ	72.8	EP			08:					
Comment: 4KM EAST CALDBECK										NEWG	HN	72.8	ES			08:					
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	NEWG	HE	72.8	IAML			08:				
KESW	HZ	19.0	EP			21:27	34														

TABLE 2 : PHASE DATA

February 3 2024 Time: 23:52 32.7 UTC Magnitude: 0.6 ML
 Lat: 55.786 Lon: -4.606 Depth: 13.3 km
 Grid Ref: 236.61 kmE 657.81 kmN RMS: 0.20 secs
 Locality: BEITH,NORTH AYRSHIRE
 Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
PGB1	HZ	8.2	EP			23:52	35.71			0.14
PGB1	HN	8.2	ES			23:52	37.62			-0.01
PGB1	HE	8.2	IAML			23:52	37.78	40	0.19	
PGB1	HN	8.2	IAML			23:52	37.78	46	0.15	
EAB	HN	47.8	ES			23:52	46.95			-0.30
EAB	HE	47.8	IAML			23:52	47.30	5	0.12	
EAB	HN	47.8	IAML			23:52	47.33	4	0.10	
LAW	HZ	72.3	EP			23:52	45.10			0.23
LAW	HN	72.3	ES			23:52	53.64			-0.08
LAW	HE	72.3	IAML			23:52	54.12	1	0.23	
LAW	HN	72.3	IAML			23:52	54.46	1	0.25	
NEWG	HZ	78.2	EP			23:52	45.94			0.17
NEWG	HE	78.2	ES			23:52	55.03			-0.25
NEWG	HE	78.2	IAML			23:52	57.78	4	0.20	
NEWG	HN	78.2	IAML			23:52	58.07	3	0.12	
INV	HZ	79.5	EP			23:52	45.97			-0.03
INV	HN	79.5	IAML			23:52	59.22	2	0.12	
INV	HE	79.5	IAML			23:52	59.33	2	0.15	
ESK	HZ	103.0	EP			23:52	49.80			0.34
ESK	HN	103.0	IAML			23:53	02.71	1	0.18	
ESK	HE	103.0	IAML			23:53	03.60	1	0.23	
GAL1	HE	103.0	ES			23:53	01.40			-0.19
GAL1	HE	103.0	IAML			23:53	03.07	2	0.20	
GAL1	HN	103.0	IAML			23:53	03.97	4	0.46	

February 5 2024 Time: 08:28 05.8 UTC Magnitude: 1.5 ML
 Lat: 55.738 Lon: -5.816 Depth: 11.1 km
 Grid Ref: 160.48 kmE 655.99 kmN RMS: 0.30 secs
 Locality: GIGHA,ARGYLL & BUTE
 Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
 Comment: 4KM OFFSHORE GIGHA

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAW	HZ	63.6	EP			08:28	16.37			-0.15
LAW	HE	63.6	ES			08:28	24.38			0.01
LAW	HN	63.6	IAML			08:28	27.28	13	0.15	
LAW	HE	63.6	IAML			08:28	27.29	17	0.10	
CLGH	HZ	75.3	EP			08:28	18.45			0.11
CLGH	HN	75.3	ES			08:28	27.39			-0.13
CLGH	HN	75.3	IAML			08:28	29.27	16	0.13	
CLGH	HE	75.3	IAML			08:28	29.72	13	0.17	
PGB1	HZ	84.0	EP			08:28	20.12			0.44
PGB1	HE	84.0	ES			08:28	29.41			-0.43
PGB1	HE	84.0	IAML			08:28	31.51	63	0.14	
PGB1	HN	84.0	IAML			08:28	31.60	35	0.21	
EAB	HZ	105.0	EP			08:28	23.23			0.27
EAB	HE	105.0	IAML			08:28	37.22	13	0.25	
EAB	HN	105.0	IAML			08:28	37.53	15	0.23	
GAL1	HZ	120.0	EP			08:28	25.22			0.20
GAL1	HE	120.0	IAML			08:28	40.27	24	0.24	
GAL1	HN	120.0	IAML			08:28	40.99	15	0.16	
NEWG	HZ	122.0	EP			08:28	25.36			0.03
NEWG	HE	122.0	IAML			08:28	41.00	8	0.10	
NEWG	HN	122.0	IAML			08:28	41.91	9	0.23	
IDGL	HZ	131.0	EP			08:28	26.28			-0.29
IDGL	HE	131.0	IAML			08:28	43.28	5	0.21	
IDGL	HN	131.0	IAML			08:28	43.28	7	0.23	
INV	HZ	134.0	EP			08:28	26.88			-0.26
INV	HE	134.0	IAML			08:28	44.97	7	0.22	
INV	HN	134.0	IAML			08:28	45.17	6	0.26	

February 6 2024 Time: 16:19 33.9 UTC Magnitude: 0.9 ML
 Lat: 53.354 Lon: -2.683 Depth: 10.8 km
 Grid Ref: 354.54 kmE 384.37 kmN RMS: 0.20 secs
 Locality: RUNCORN,CHESHIRE
 Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
FOEL	HZ	62.2	EP			16:19	44.75			0.22
FOEL	HN	62.2	ES			16:19	52.15			-0.12
FOEL	HN	62.2	IAML			16:19	53.72	2	0.14	
FOEL	HE	62.2	IAML			16:19	53.87	5	0.36	
AR07	HN	72.9	ES			16:19	55.02			-0.03
AR07	HE	72.9	IAML			16:19	56.17	10	0.14	
AR07	HN	72.9	IAML			16:19	57.52	11	0.13	
HLM1	HZ	94.0	EP			16:19	49.58			0.13
HLM1	HE	94.0	ES			16:20	00.51			-0.25
HLM1	HE	94.0	IAML			16:20	00.99	4	0.14	
HLM1	HN	94.0	IAML			16:20	02.33	4	0.33	
HPK	HN	97.0	ES			16:20	01.49			-0.02
HPK	HN	97.0	IAML			16:20	02.13	7	0.16	
HPK	HE	97.0	IAML			16:20	02.14	8	0.28	
CTON	HZ	111.0	EP			16:19	52.30			0.22
AP12	HN	113.0	ES			16:20	05.44			-0.23
AP12	HE	113.0	IAML			16:20	06.48	4	0.36	
AP12	HN	113.0	IAML			16:20	06.73	1	0.11	
WLF1	HE	114.0	ES			16:20	05.98			0.04
WLF1	HE	114.0	IAML			16:20	06.84	3	0.24	
WLF1	HN	114.0	IAML			16:20	07.02	3	0.18	
WPS	HZ	121.0	EP			16:19	53.65			0.29

WPS HE 121.0 ES 16:20 07.50 -0.04
 WPS HN 121.0 IAML 16:20 07.99 3 0.31
 WPS HE 121.0 IAML 16:20 08.04 2 0.24
 KESW HZ 140.0 EP 16:19 55.88 -0.28
 KESW HE 140.0 IAML 16:20 12.68 3 0.37
 KESW HN 140.0 IAML 16:20 13.76 4 0.40

February 8 2024 Time: 00:00 48.2 UTC Magnitude: 1.5 ML
 Lat: 53.173 Lon: -3.969 Depth: 12.2 km
 Grid Ref: 268.41 kmE 365.83 kmN RMS: 0.20 secs
 Locality: BETHESDA,GWYNEDD
 Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
 Comment: FELT BETHESDA...

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WLF1	HZ	31.4	IP		D	00:00	54.10			0.07
WLF1	HN	31.4	ES			00:00	58.06			-0.20
WLF1	HN	31.4	IAML			00:00	58.39	49	0.09	
WLF1	HE	31.4	IAML			00:00	58.83	37	0.08	
LLW	BZ	41.4	EP			00:00	55.40			-0.17
WPS	HZ	43.5	EP			00:00	56.12			0.25
WPS	HE	43.5	ES			00:01	01.38			-0.06
WPS	HE	43.5	IAML			00:01	01.57	17	0.12	
WPS	HN	43.5	IAML			00:01	01.91	23	0.25	
FOEL	HZ	60.4	EP			00:00	58.63			0.07
FOEL	HN	60.4	ES			00:01	06.03			-0.07
FOEL	HE	60.4	IAML			00:01	07.28	19	0.11	
FOEL	HN	60.4	IAML			00:01	07.51	20	0.25	
HLM1	HZ	103.0	EP			00:01	05.41			0.27
HLM1	HN	103.0	ES			00:01	17.45			-0.03
HLM1	HE	103.0	IAML			00:01	18.02	10	0.23	
HLM1	HN	103.0	IAML			00:01	18.08	14	0.13	
STNC	HE	118.0	IAML			00:01	23.05	14	0.34	
STNC	HN	118.0	IAML			00:01	23.09	28	0.34	
IOMK	HZ	127.0	EP			00:01	08.68			0.17
IOMK	HE	127.0	IAML			00:01	24.76	8	0.27	
IOMK	HN	127.0	IAML			00:01	25.37	7	0.20	
AP12	HZ	135.0	EP			00:01	09.55			-0.03
AP12	HE	135.0	IAML			00:01	27.79	5	0.18	
AP12	HN	135.0	IAML			00:01	28.24	5	0.23	
AR07	HZ	136.0	EP			00:01	09.66			-0.05
AR07	HN	136.0	IAML			00:01	29.33	11	0.38	
AR07	HE	136.0	IAML			00:01	29.63	13	0.20	
AS02	HE	139.0	IAML			00:01	28.13	5	0.35	
AS02	HN	139.0	IAML			00:01	28.62	6	0.12	
MCH1	HE	146.0	ES			00:01	28.40			0.35
MCH1	HE	146.0	IAML			00:01	29.81	14	0.11	
RSBS	HZ	146.0	EP			00:01	10.68			-0.46
RSBS	HN	146.0	IAML			00:01	29.08	18	0.11	
RSBS	HE	146.0	IAML			00:01	29.52	11	0.10	
MCH1	HZ	146.0	EP			00:01	11.40			0.15
MCH1	HN	146.0	IAML			00:01	29.59	8	0.10	
AR09	HZ	155.0	EP			00:01	12.30			-0.17
AR09	HN	155.0	IAML			00:01	34.94	25	0.24	
AR09	HE	155.0	IAML			00:01	35.86	26	0.32	
AQ12	HZ	162.0	EP			00:01	12.97			-0.47
AQ12	HE	162.0	IAML			00:01	35.35	6	0.09	
AQ12	HN	162.0	IAML			00:01	37.99	6	0.20	
KESW	HZ	168.0	EP			00:01	13.64			-0.47
KESW	HN	168.0	IAML			00:01	36.90	7	0.38	
KESW	HE	168.0	IAML			00:01	36.91	4	0.12	
HPK	HE	178.0	IAML			00:01	39.10	8	0.28	
HPK	HN	178.0	IAML			00:01	39.25	9	0.18	
CTON	HZ	180.0	EP			00:01	15.26			-0.45
CTON	HN	180.0	IAML			00:01	41.33	5	0.09	
CTON	HE	180.0	IAML			00:01	42.06	5	0.32	
GAL1	HZ	195.0	EP			00:01	16.89			-0.58
NEWG	HZ	217.0	EP			00:01	19.87			-0.41
NEWG	HE	217.0	IAML			00:01	49.58	2	0.18	
NEWG	HN	217.0	IAML			00:01	51.60	1	0.33	

February 10 2024 Time: 13:06 28.5 UTC Magnitude: 1.0 ML
 Lat: 51.926 Lon: -2.849 Depth: 18.3 km
 Grid Ref: 341.63 kmE 225.66 kmN RMS: 0.00 secs
 Locality: KENTCHURCH,HEREF
 Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MONM	HZ	10.1	IP		D	13:06	32.03			-0.05
MONM	HE	10.1	ES			13:06	34.75			0.03
MONM	HE	10.1	IAML			13:06	34.93	107	0.10	
MONM	HN	10.1	IAML			13:06	34.98	28	0.19	
MCH1	HZ	13.0	IP		D	13:06	32.37			0.02
MCH1	HN	13.0	ES			13:06	35.18			-0.01
MCH1	HE	13.0	IAML			13:06	35.41	52	0.12	
MCH1	HN	13.0	IAML			13:06	35.41	53	0.10	
HLM1	HZ	66.0	EP			13:06	39.72			0.07
HLM1	HE	66.0	ES			13:06	47.79			-0.04
HLM1	HE	66.0	IAML			13:06	48.00	8	0.20	
HLM1	HN	66.0	IAML			13:06	48.53	5	0.09	
SMD	HZ	69.3	EP			13:06	40.10			-0.00
SMD	HN	69.3	IAML			13:06	49.36	5	0.24	
SMD	HE	69.3	IAML			13:06	49.97	6	0.21	

TABLE 2 : PHASE DATA

February 10 2024										Time: 23:34 59.3 UTC		Magnitude: 0.1 ML		CLGH HE 84.9 ES		16:26 44.51				-0.24	
Lat: 50.113										Lon: -5.192		Depth: 5.4 km		CLGH HN 84.9 IAML		16:26 47.15		22		0.21	
Grid Ref: 171.82 kmE										28.61 kmN		RMS: 0.00 secs		CLGH HE 84.9 IAML		16:26 48.30		12		0.11	
Locality: CONSTANTINE,CORNWALL														EAB HZ 122.0 EP		16:26 40.14				0.04	
Velocity model: Cornwall										Xnear: 50.0		Xfar: 100.0		EAB HN 122.0 ES		16:26 54.73				-0.12	
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	EAB HN 122.0 IAML		16:26 58.16		5		0.14				
CCA1	HZ	8.6	EP			23:35	01.10			-0.01	EAB HE 122.0 IAML		16:26 58.46		8		0.32				
CCA1	HE	8.6	ES			23:35	02.48			-0.01	GAL1 HZ 144.0 EP		16:26 43.90						0.62		
CCA1	HE	8.6	IAML			23:35	02.57	8	0.06		GAL1 HE 144.0 IAML		16:27 03.58		6		0.27				
CCA1	HN	8.6	IAML			23:35	02.66	4	0.10		GAL1 HN 144.0 IAML		16:27 05.30		5		0.72				
GEL05	CZ	8.6	EP			23:35	01.12			0.01	INVG HZ 149.0 EP		16:26 44.71						0.69		
GEL05	CE	8.6	ES			23:35	02.50			0.01	INVG HE 149.0 IAML		16:27 05.03		3		0.40				
GEL05	CE	8.6	IAML			23:35	02.56	11	0.05		INVG HN 149.0 IAML		16:27 05.05		4		0.38				
GEL05	CN	8.6	IAML			23:35	02.65	4	0.07		KPL HZ 170.0 EP		16:26 47.46						0.51		
GEL02	CZ	10.3	EP			23:35	01.35			-0.00	KPL HN 170.0 IAML		16:27 11.21		2		0.74				
GEL02	CE	10.3	ES			23:35	02.91			-0.00	KPL HE 170.0 IAML		16:27 11.52		3		1.05				
GEL02	CN	10.3	IAML			23:35	02.99	20	0.04		GVIE HZ 173.0 EP		16:26 47.14						-0.35		
GEL02	CE	10.3	IAML			23:35	03.00	19	0.06		GVIE HE 173.0 IAML		16:27 12.00		5		0.52				
GEL07	CZ	13.0	EP			23:35	01.80			0.02	GVIE HN 173.0 IAML		16:27 12.02		5		0.48				
GEL07	CN	13.0	IAML			23:35	03.77	5	0.09												
GEL07	CE	13.0	IAML			23:35	03.78	3	0.09												
GEL03	CE	13.5	IAML			23:35	03.88	16	0.06												
GEL03	CN	13.5	IAML			23:35	04.00	18	0.18												
GEL09	CZ	14.2	IP		C	23:35	01.98			-0.01											
GEL09	CE	14.2	IAML			23:35	04.05	17	0.06												
GEL09	CN	14.2	IAML			23:35	04.07	7	0.08												
February 12 2024										Time: 05:28 47.0 UTC		Magnitude: 0.5 ML									
Lat: 52.253										Lon: -2.858		Depth: 2.6 km									
Grid Ref: 341.44 kmE										262.04 kmN		RMS: 0.10 secs									
Locality: SHOBDON,HEREFORDSHIRE																					
Velocity model: Lownet										Xnear: 100.0		Xfar: 200.0									
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	KPL HZ 32.8 EP		09:00 57.95						-0.07		
HLM1	HZ	29.6	EP			05:28	52.47			-0.03	KPL HE 32.8 ES		09:01 01.90						-0.45		
HLM1	HN	29.6	ES			05:28	56.														

TABLE 2 : PHASE DATA

SWN1	HZ	88.0	EP	06:51	27.38				-0.10	HLMI	HN	156.0	IAML	20:45	05.71	3	0.34					
SWN1	HE	88.0	ES	06:51	38.45				0.27													
SWN1	HE	88.0	IAML	06:51	41.13	63	0.11			February 21 2024				Time: 22:49 56.8 UTC				Magnitude: 1.1 ML				
SWN1	HN	88.0	IAML	06:51	43.20	89	0.15			Lat: 56.996				Lon: -5.452				Depth: 7.6 km				
STRD	HZ	89.9	EP	06:51	27.63				-0.15	Grid Ref: 190.35 kmE				794.71 kmN				RMS: 0.50 secs				
STRD	HN	89.9	ES	06:51	37.96				-0.73	Locality: LOCH NEVIS,HIGHLAND												
STRD	HN	89.9	IAML	06:51	39.75	121	0.17			Velocity model: Lownet				Xnear: 100.0 Xfar: 200.0								
STRD	HE	89.9	IAML	06:51	40.58	119	0.11			STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES		
MCH1	HZ	99.8	EP	06:51	29.55				0.24	KPL	HZ	40.1	IP		C	22:50	03.98			0.13		
MCH1	HE	99.8	ES	06:51	41.85				0.51	KPL	HE	40.1	ES			22:50	08.84			-0.17		
MCH1	HE	99.8	IAML	06:51	42.23	135	0.22			KPL	HN	40.1	IAML			22:50	09.14	11	0.18			
MCH1	HN	99.8	IAML	06:51	42.57	72	0.09			KPL	HE	40.1	IAML			22:50	09.20	26	0.24			
DYA	HZ	105.0	EP	06:51	30.22				0.08	GVIE	HZ	55.4	EP			22:50	06.31			-0.04		
DYA	HN	105.0	IAML	06:51	44.71	45	0.16			GVIE	HN	55.4	ES			22:50	12.57			-0.75		
DYA	HE	105.0	IAML	06:51	45.02	74	0.23			GVIE	HN	55.4	IAML			22:50	13.06	20	0.08			
HTL	HZ	113.0	EP	06:51	31.58				0.21	GVIE	HE	55.4	IAML			22:50	13.07	23	0.11			
HTL	HE	113.0	IAML	06:51	46.89	66	0.29			LAWE	HZ	82.0	EP			22:50	10.36			-0.01		
HTL	HN	113.0	IAML	06:51	48.29	81	0.10			LAWE	HE	82.0	ES			22:50	19.48			-0.79		
SBD	BZ	141.0	EP	06:51	36.07				0.60	LAWE	HE	82.0	IAML			22:50	23.34	10	0.16			
SBD	BN	141.0	ES	06:51	52.46				0.46	LAWE	HN	82.0	IAML			22:50	23.38	10	0.14			
SBD	BE	141.0	IAML	06:51	54.21	28	0.15			INVG	HZ	107.0	EP			22:50	14.47			0.21		
SBD	BN	141.0	IAML	06:51	54.56	32	0.17			INVG	HN	107.0	IAML			22:50	28.12	3	0.13			
HLMI	HZ	157.0	EP	06:51	38.23				0.31	INVG	HE	107.0	IAML			22:50	30.28	4	0.17			
HLMI	HN	157.0	ES	06:51	56.51				0.28	EAB	HZ	113.0	EP			22:50	15.79			0.59		
HLMI	HN	157.0	IAML	06:51	58.56	47	0.22			EAB	HN	113.0	ES			22:50	29.18			0.55		
HLMI	HE	157.0	IAML	06:51	58.74	62	0.21			EAB	HN	113.0	IAML			22:50	30.80	6	0.15			
SKP	HZ	160.0	EP	06:51	37.86				-0.33	EAB	HE	113.0	IAML			22:50	31.29	7	0.08			
SKP	HE	160.0	IAML	06:51	57.63	58	0.14			PITL	HZ	115.0	EP			22:50	15.89			0.41		
SKP	HN	160.0	IAML	06:51	59.24	44	0.16			PITL	HE	115.0	IAML			22:50	30.14	6	0.10			
RSBS	HZ	160.0	EP	06:51	38.32				0.03	PITL	HN	115.0	IAML			22:50	30.18	7	0.16			
RSBS	HE	160.0	IAML	06:51	58.81	54	0.26			LINV	HZ	129.0	EP			22:50	17.84			0.26		
RSBS	HN	160.0	IAML	06:51	58.92	57	0.26			LINV	HE	129.0	IAML			22:50	34.31	6	0.26			
BRDL	HE	183.0	IAML	06:52	03.93	62	0.38			LINV	HN	129.0	IAML			22:50	34.89	3	0.08			
BRDL	HN	183.0	IAML	06:52	06.11	43	0.32			TARL	HZ	157.0	EP			22:50	22.54			0.85		
CCA1	HZ	195.0	EP	06:51	41.49				-1.27													
CCA1	HE	195.0	IAML	06:52	08.30	8	0.12			February 25 2024				Time: 03:23 49.8 UTC				Magnitude: 0.5 ML				
CCA1	HN	195.0	IAML	06:52	09.14	8	0.20			Lat: 57.578				Lon: -5.429				Depth: 7.0 km				
FOEL	HZ	200.0	EP	06:51	44.02				0.57	Grid Ref: 195.01 kmE				859.37 kmN				RMS: 0.30 secs				
FOEL	HE	200.0	IAML	06:52	09.24	16	0.25			Locality: TORRIDON,HIGHLAND												
FOEL	HN	200.0	IAML	06:52	11.77	15	0.38			Velocity model: Lownet				Xnear: 100.0 Xfar: 200.0								
CWF	HZ	212.0	EP	06:51	45.02				0.16	Comment: 6KM NW TORRIDON												
CWF	HE	212.0	IAML	06:52	11.33	30	0.30			STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES		
CWF	HN	212.0	IAML	06:52	11.33	29	0.26			KPL	HZ	29.7	EP			03:23	55.45			0.12		
JSA	HE	219.0	IAML	06:52	13.45	9	0.26			KPL	HE	29.7	ES			03:23	59.21			-0.13		
JSA	HN	219.0	IAML	06:52	20.86	7	0.34			KPL	HN	29.7	IAML			03:23	59.49	2	0.14			
WLF1	HZ	264.0	EP	06:51	51.33				-0.09	KPL	HE	29.7	IAML			03:23	59.55	2	0.19			
WLF1	HE	264.0	IAML	06:52	25.23	4	0.42			LINV	HZ	64.9	EP			03:24	00.86			0.07		
WLF1	HN	264.0	IAML	06:52	26.43	3	0.26			LINV	HN	64.9	ES			03:24	08.43			-0.36		
WPS	HZ	278.0	EP	06:51	53.71				0.54	LINV	HE	64.9	IAML			03:24	08.53	3	0.28			
WPS	HN	278.0	IAML	06:52	35.29	4	0.30			LINV	HN	64.9	IAML			03:24	08.70	1	0.19			
WPS	HE	278.0	IAML	06:52	36.43	4	0.25			GVIE	HZ	74.5	EP			03:24	02.60			0.19		
AS02	HN	279.0	IAML	06:52	29.61	16	0.40			GVIE	HN	74.5	ES			03:24	11.22			-0.36		
AS02	HE	279.0	IAML	06:52	30.19	15	0.42			GVIE	HN	74.5	IAML			03:24	14.15	2	0.14			
AR07	HN	323.0	IAML	06:52	45.93	23	0.32			GVIE	HE	74.5	IAML			03:24	14.21	2	0.10			
AR07	HE	323.0	IAML	06:52	47.77	19	0.34			BIGH	HZ	136.0	EP			03:24	12.27			0.62		
CTON	HZ	356.0	EP	06:52	02.69				-0.29	PITL	HZ	139.0	EP			03:24	12.77			0.57		
CTON	HN	356.0	IAML	06:52	52.61	7	0.30			PITL	HE	139.0	IAML			03:24	31.28	1	0.16			
CTON	HE	356.0	IAML	06:52	54.94	10	0.46			PITL	HN	139.0	IAML			03:24	34.37	1	0.07			
										LAWE	HN	147.0	IAML			03:24	33.37	1	0.18			
February 20 2024										LAWE	HE	147.0	IAML			03:24	33.57	2	0.14			
Lat: 51.216										INVG	HN	153.0	IAML			03:24	34.60	1	0.16			
Lon: -3.735										INVG	HE	153.0	IAML			03:24	35.11	1	0.30			
Grid Ref: 278.84 kmE										EAB	HN	168.0	IAML			03:24	38.09	1	0.14			
147.80 kmN										EAB	HE	168.0	IAML			03:24	38.34	2	0.32			
Locality: COUNTISBURY,DEVON																						
Velocity model: Lownet																						
Xnear: 100.0																						
Xfar: 200.0																						
Comment: 4KM ESE COUNTISBURY																						
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	February 25 2024				Time: 20:48 20.3 UTC				Magnitude: 1.2 ML			
HEX	HZ	17.3	IP		C	20:44	23.43			0.10	Lat: 57.836				Lon: -5.094				Depth: 2.5 km			
HEX	HN	17.3	ES			20:44	26.16			-0.01	Grid Ref: 216.34 kmE				887.11 kmN				RMS: 0.20 secs			
HEX	HN	17.3	IAML			20:44	26.27	39	0.09		Locality: LETTERS,HIGHLAND											
HEX	HE	17.3	IAML			20:44	26.29	122	0.08		Velocity model: Lownet				Xnear: 100.0 Xfar: 200.0							
HTL	HZ	58.1	EP			20:44	29.68			0.32	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	
HTL	HE	58.1	ES			20:44	36.16			-0.44	LINV	HZ	35.1	IP		C	20:48	26.81			0.08	
HTL	HE	58.1	IAML			20:44	36.98	6	0.28		LINV	HE	35.1	ES			20:48	31.29			-0.14	
HTL	HN	58.1	IAML			20:44	37.12	8	0.14		LINV	HE	35.1	IAML			20:48	31.51	13	0.08		
SMD	HZ	71.7	EP			20:44	31.61			0.09	LINV	HN	35.1	IAML			20:48	31.55	12	0.08		
SMD	HE	71.7	ES			20:44	40.12			-0.21	KPL	HZ	64.7	EP			20:48	31.65			0.13	
SMD	HE	71.7	IAML			20:44	40.52	11	0.24		KPL	HN	64.7	IAML			20:48	43.30	8	0.10		
SMD	HN	71.7	IAML			20:44	41.38	10	0.35		KPL	HE	64.7	IAML			20:48	43.58	9	0.12		
DYA	HZ	88.0	EP			20:44	34.22			0.20	GVIE	HZ	87.9	EP			20:48	34.90			-0.36	
DYA	HN	88.0	ES			20:44	44.49			-0.16	GVIE	HE	87.9	IAML			20:48	47.44	7	0.24		
DYA	HN	88.0	IAML			20:44	46.00	4	0.12		GVIE	HN	87.9	IAML			20:48	48.83	6	0.20		
DYA	HE	88.0	IAML			20:44	47.36	5	0.09		BIGH	HZ	101.0	EP			20:48	37.43			0.26	
MONM	HZ	94.7	EP			20:44	35.29			0.30	BIGH	HN	101.0	IAML			20:48	51.51	15	0.14		
MONM	HN	94.7	IAML			20:44	47.18	6	0.36		BIGH	HE	101.0	IAML			20:48	51.63	19	0.10		
MONM	HE	94.7	IAML			20:44	47.51	2	0.15		MCD	HZ	113.0	EP			20:48	39.01		</		

TABLE 2 : PHASE DATA

INGV	HN	169.0	IAML	20:49	10.98	2	0.54			March 3 2024	Time: 12:06 54.2 UTC	Magnitude: 0.9 ML										
INGV	HE	169.0	IAML	20:49	11.31	1	0.22			Lat: 52.993	Lon: -3.526	Depth: 12.2 km										
LAWE	HN	177.0	IAML	20:49	12.22	3	0.14			Grid Ref: 297.59 kmE	345.09 kmN	RMS: 0.20 secs										
LAWE	HE	177.0	IAML	20:49	12.22	6	0.26			Locality: LLANGWM,CONWY												
EAB	HE	189.0	IAML	20:49	14.06	2	0.19			Velocity model: Lownet	Xnear: 100.0	Xfar: 200.0										
EAB	HN	189.0	IAML	20:49	16.43	2	0.10			STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES		
										LLW	BZ	18.5	IP		D	12:06	58.39			0.24		
										LLW	BN	18.5	ES			12:07	01.00			-0.04		
February 27 2024										Time: 05:56 33.1 UTC	Magnitude: 1.5 ML			LLW	BN	18.5	IAML	12:07	01.19	14	0.09	
Lat: 56.592										Lon: -5.684	Depth: 8.5 km			LLW	BE	18.5	IAML	12:07	01.19	15	0.11	
Grid Ref: 173.84 kmE										750.51 kmN	RMS: 0.10 secs			FOEL	HZ	24.8	IP	D	12:06	59.28		0.17
Locality: MORVERN,HIGHLAND													FOEL	HE	24.8	ES		12:07	02.59			-0.10
Velocity model: Lownet										Xnear: 100.0	Xfar: 200.0	FOEL	HE	24.8	IAML	12:07	02.99	31	0.17			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	FOEL	HN	24.8	IAML	12:07	03.11	34	0.22				
LAWE	HZ	40.9	IP		C	05:56	40.48			0.16	WLF1	HZ	66.9	EP	12:07	05.46				-0.01		
LAWE	HN	40.9	ES			05:56	45.39			-0.19	WLF1	HN	66.9	ES	12:07	13.28				-0.41		
LAWE	HN	40.9	IAML			05:56	45.66	30	0.13		WLF1	HN	66.9	IAML	12:07	13.43	8	0.10				
LAWE	HE	40.9	IAML			05:56	45.74	34	0.13		WLF1	HE	66.9	IAML	12:07	13.44	6	0.09				
KPL	HZ	83.2	EP			05:56	46.77			-0.07	HLM1	HZ	68.5	IP	C	12:07	05.98			0.20		
KPL	HE	83.2	IAML			05:57	00.37	23	0.16		HLM1	HE	68.5	ES		12:07	13.80			-0.43		
KPL	HN	83.2	IAML			05:57	00.65	11	0.12		HLM1	HE	68.5	IAML	12:07	14.49	4	0.24				
EAB	HZ	94.5	EP			05:56	48.86			0.21	HLM1	HN	68.5	IAML	12:07	14.71	4	0.11				
EAB	HN	94.5	IAML			05:57	03.29	11	0.18		WPS	HZ	79.2	EP	12:07	07.66				0.30		
EAB	HE	94.5	IAML			05:57	03.31	12	0.24		WPS	HE	79.2	IAML	12:07	17.00	2	0.17				
INGV	HZ	103.0	EP			05:56	49.80			-0.10	WPS	HN	79.2	IAML	12:07	18.64	3	0.34				
INGV	HN	103.0	IAML			05:57	04.64	12	0.12		LPW	HZ	105.0	EP	12:07	11.17				-0.04		
INGV	HE	103.0	IAML			05:57	04.64	19	0.10		LPW	HN	105.0	IAML	12:07	24.06	2	0.12				
PITL	HZ	130.0	EP			05:56	54.03			-0.04	LPW	HE	105.0	IAML	12:07	24.56	2	0.14				
PITL	HN	130.0	IAML			05:57	11.02	10	0.19		MCH1	HZ	116.0	EP	12:07	13.33				0.38		
PITL	HE	130.0	IAML			05:57	11.42	8	0.12		MCH1	HN	116.0	ES	12:07	26.48				-0.15		
LINV	HZ	176.0	EP			05:57	00.33			0.05	MCH1	HE	116.0	IAML	12:07	29.03	10	0.16				
TARL	HN	183.0	IAML			05:57	24.86	7	0.14		MCH1	HN	116.0	IAML	12:07	29.06	11	0.22				
TARL	HE	183.0	IAML			05:57	25.46	11	0.16		RSBS	HZ	142.0	EP	12:07	16.67				0.02		
										RSBS	HN	142.0	IAML	12:07	35.67	4	0.11					
										RSBS	HE	142.0	IAML	12:07	36.28	4	0.05					
										IOMK	HZ	157.0	EP	12:07	18.40					-0.32		
February 29 2024										Time: 20:28 47.1 UTC	Magnitude: 0.7 ML											
Lat: 56.641										Lon: -5.711	Depth: 7.5 km											
Grid Ref: 172.48 kmE										756.05 kmN	RMS: 0.30 secs											
Locality: MORVERN,HIGHLAND																						
Velocity model: Lownet										Xnear: 100.0	Xfar: 200.0											
										March 3 2024			Time: 21:53 42.9 UTC			Magnitude: 0.5 ML						
										Lat: 56.555			Lon: -5.925			Depth: 7.8 km						
										Grid Ref: 158.82 kmE			747.22 kmN			RMS: 0.30 secs						
										Locality: SOUND OF MULL												
										Velocity model: Lownet										Xnear: 100.0	Xfar: 200.0	
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	
LAWE	HZ	46.6	EP			20:28	55.30			0.07	LAWE	HZ	46.2	EP			21:53	50.92			-0.01	
LAWE	HN	46.6	ES			20:29	00.94			-0.20	LAWE	HN	46.2	ES			21:53	56.41			-0.38	
LAWE	HE	46.6	IAML			20:29	01.10	3	0.15		LAWE	HN	46.2	IAML			21:53	56.91	4	0.09		
LAWE	HN	46.6	IAML			20:29	01.25	3	0.13		LAWE	HE	46.2	IAML			21:53	56.95	4	0.10		
KPL	HZ	77.8	EP			20:29	00.09			0.04	KPL	HZ	88.8	EP			21:53	57.46			-0.05	
KPL	HN	77.8	IAML			20:29	13.27	3	0.29		KPL	HE	88.8	ES			21:54	08.11			-0.07	
KPL	HE	77.8	IAML			20:29	13.79	3	0.17		KPL	HE	88.8	IAML			21:54	10.36	2	0.17		
GVIE	HZ	86.9	EP			20:29	01.21			-0.38	KPL	HN	88.8	IAML			21:54	10.59	2	0.18		
GVIE	HN	86.9	IAML			20:29	14.72	2	0.09		GVIE	HZ	103.0	EP			21:53	59.68			-0.18	
GVIE	HE	86.9	IAML			20:29	14.78	3	0.21		GVIE	HE	103.0	ES			21:54	12.25			0.01	
EAB	HZ	98.6	EP			20:29	03.54			0.21	GVIE	HE	103.0	IAML			21:54	14.13	2	0.22		
EAB	HN	98.6	IAML			20:29	18.47	2	0.08		GVIE	HN	103.0	IAML			21:54	14.24	2	0.19		
EAB	HE	98.6	IAML			20:29	18.56	2	0.21		EAB	HZ	106.0	EP			21:54	00.77			0.51	
INGV	HZ	105.0	EP			20:29	04.37			0.01	EAB	HN	106.0	IAML			21:54	13.64	2	0.47		
INGV	HE	105.0	IAML			20:29	19.09	3	0.12		EAB	HE	106.0	IAML			21:54	14.16	2	0.12		
INGV	HN	105.0	IAML			20:29	19.37	4	0.15		INGV	HE	117.0	IAML			21:54	16.29	1	0.22		
PITL	HZ	131.0	EP			20:29	08.78			0.52	INGV	HN	117.0	IAML			21:54	17.43	1	0.11		
PITL	HN	131.0	IAML			20:29	25.47	2	0.22		INGV	HZ	117.0	EP			21:54	02.20			0.31	
PITL	HE	131.0	IAML			20:29	25.55	2	0.20													
March 2 2024										Time: 06:25 56.4 UTC	Magnitude: 0.5 ML											
Lat: 52.798										Lon: -4.122	Depth: 11.3 km											
Grid Ref: 256.95 kmE										324.42 kmN	RMS: 0.10 secs											
Locality: LLANBEDR,GWYNEDD																						
Velocity model: Lownet										Xnear: 100.0	Xfar: 200.0											
										March 7 2024			Time: 15:19 31.5 UTC			Magnitude: 1.8 ML						
										Lat: 53.129			Lon: -1.627			Depth: 2.5 km						
										Grid Ref: 424.96 kmE			359.19 kmN			RMS: 0.40 secs						
										Locality: MATLOCK,DERBYSHIRE												
										Velocity model: Lownet										Xnear: 100.0	Xfar: 200.0	
										Comment: FELT WINSTER										Intensity: 3		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	
LLW	BZ	31.3	EP			06:26	02.37			0.18	LBWR	HZ	31.0	EP			15:19	37.09			-0.14	
LLW	BN	31.3	ES			06:26	06.34			-0.08	LBWR	HN	31.0	ES			15:19	41.39			-0.05	
LLW	BN	31.3	IAML			06:26	06.57	6	0.25		LBWR	HN	31.0	IAML			15:19	42.11	68	0.24		
LLW	BE	31.3	IAML			06:26	06.72	4	0.35		LBWR	HE	31.0	IAML			15:19	43.25	116	0.41		
WLF1	HZ	57.7	EP			06:26	06.28			0.06	CWF	HZ	48.5	EP			15:19	39.82			-0.34	
WLF1	HN	57.7	ES			06:26	13.34			-0.05	CWF	HE	48.5	IAML			15:19	48.15	19	0.35		
WLF1	HN	57.7	IAML			06:26	13.44	2	0.11		CWF	HN	48.5	IAML			15:19	49.87	17	0.39		
WLF1	HE	57.7	IAML			06:26	13.44	3	0.13		ASO2	HZ	53.0	EP			15:19	40.54			-0.36	
FOEL	HZ	63.0	EP			06:26	07.25			0.13	ASO2	HN	53.0	ES			15:19	47.43			-0.36	
FOEL	HE	63.0	ES			06:26	14.78			-0.16	ASO2	HN	53.0	IAML			15:19	49.70	63	0.54		
FOEL	HE	63.0	IAML			06:26	15.31	5	0.36		ASO2	HE	53.0	IAML			15:19	50.60	83	0.54		
FOEL	HN	63.0	IAML			06:26	15.91	3	0.27		AR05	HZ	99.3	EP			15:19	48.68			0.60	
WPS	HZ	71.6	EP			06:26	08.44			0.07	AR05	HE	99.3	IAML			15:20	04.29	26	0.39		
WPS	HN	71.6	ES			06:26	17.00			-0.11	AR05	HN	99.3	IAML			15:20	04.37	53	0.28		
WPS	HE	71.6	IAML			06:26	17.14	2	0.10		HLM1	HZ	108.0	EP			15:19	49.46			-0.06	
WPS	HN	71.6	IAML			06:26	18.60	3	0.44		HLM1	HE	108.0	IAML			15:20	07.21	20	0.42		
LPW	HZ	76.2	EP			06:26	08.80			-0.29	HLM1	HN	108.0	IAML			15:20	07.53	11	0.22		
HLM1	HZ	89.6	EP			06:26	11.39			0.16	FOEL	HZ	109.0	EP			15:19	49.61			0.01	
HLM1	HE	89.6	ES			06:26	22.05			-0.00	FOEL	HE	109.0	IAML			15:20	05.87	15	0.50		
HLM1	HE	89.6	IAML			06:26	23.26	2	0.41		FOEL	HN	109.0	IAML			15:20	07.06	20	0.58		
HLM1	HN	89.6	IAML			06:26	25.38	2	0.23		CTON	HZ	127.0	EP			15:19	52.91			0.54	
RSBS	HZ	103.0	EP			06:26	13.43			0.13	CTON	HN	127.0	IAML			15:20	10.09	30	0.24		
RSBS																						

TABLE 2 : PHASE DATA

AR09	HE	133.0	IAML	15:20	12.27	47	0.20			INVG	HE	79.7	IAML	04:30	16.10	6	0.14			
MCH1	HN	157.0	IAML	15:20	17.68	16	0.50			PGB1	HZ	81.4	EP	04:30	04.99			-0.04		
MCH1	HE	157.0	IAML	15:20	17.92	17	0.42			PGB1	HN	81.4	IAML	04:30	14.65	7	0.24			
AQ12	HZ	163.0	EP	15:19	58.49			0.83		PGB1	HE	81.4	IAML	04:30	16.10	5	0.22			
AQ12	HE	163.0	IAML	15:20	19.47	11	0.30			KPL	HN	110.0	IAML	04:30	25.38	2	0.24			
AQ12	HN	163.0	IAML	15:20	19.49	8	0.38			KPL	HE	110.0	IAML	04:30	25.40	3	0.17			
MONM	HZ	164.0	EP	15:19	58.83			1.09		PITL	HE	118.0	IAML	04:30	27.22	5	0.09			
MONM	HN	164.0	IAML	15:20	20.63	25	0.22			PITL	HN	118.0	IAML	04:30	27.77	8	0.07			
MONM	HE	164.0	IAML	15:20	20.99	18	0.27													
AP12	HE	170.0	IAML	15:20	21.31	11	0.36			March 10 2024			Time: 21:36 19.4 UTC			Magnitude: 0.9 ML				
AP12	HN	170.0	IAML	15:20	21.48	8	0.48			Lat: 53.180			Lon: -2.691			Depth: 17.7 km				
KESW	HZ	189.0	EP	15:20	01.55			0.49		Grid Ref: 353.82 kmE 365.02 kmN						RMS: 0.20 secs				
KESW	HN	189.0	IAML	15:20	26.62	9	0.66			Locality: KELSALL, CHESHIRE										
KESW	HE	189.0	IAML	15:20	27.96	13	0.52			Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										
March 9 2024			Time: 01:16 49.3 UTC			Magnitude: 0.7 ML														
Lat: 51.212			Lon: -2.954			Depth: 7.8 km														
Grid Ref: 333.37 kmE 146.36 kmN						RMS: 0.10 secs														
Locality: HIGHBRIDGE, SOMERSET																				
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0																				
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES										
SMD	HZ	19.7	EP			01:16	53.15			-0.08				21:36	30.69			0.03		
SMD	HE	19.7	ES			01:16	56.19			0.07				21:36	30.85	13	0.15			
SMD	HE	19.7	IAML			01:16	56.32	25	0.14					21:36	30.85	13	0.12			
SMD	HN	19.7	IAML			01:16	56.43	21	0.21					21:36	27.74			-0.14		
FOEL	HZ	47.0	EP											21:36	27.74					
FOEL	HE	47.0	IAML											21:36	34.73	4	0.27			
FOEL	HN	47.0	IAML											21:36	35.54	4	0.22			
HLM1	HZ	74.7	EP											21:36	32.12			0.19		
HLM1	HN	74.7	ES											21:36	41.14			0.09		
HLM1	HN	74.7	IAML											21:36	41.36	4	0.10			
HLM1	HE	74.7	IAML											21:36	41.43	6	0.12			
LLW	BZ	75.0	EP							-0.12				21:36	31.84			-0.08		
LLW	BN	75.0	ES			2	0.20							21:36	40.58			-0.44		
AR07	HN	92.1	ES			1	0.08							21:36	45.07			-0.21		
AR07	HN	92.1	IAML			7	0.16							21:36	46.03	7	0.06			
AR07	HE	92.1	IAML			4	0.24							21:36	46.51	6	0.16			
CWF	HN	105.0	ES			01:17	03.69			-0.02				21:36	48.46			-0.03		
CWF	HE	105.0	IAML			01:17	14.23	6	0.26					21:36	49.62	2	0.15			
CWF	HN	105.0	IAML			01:17	14.42	4	0.27					21:36	49.64	3	0.21			
HPK	HE	112.0	ES			01:17	07.35			0.18				21:36	50.20			0.05		
HPK	HE	112.0	IAML											21:36	51.50	6	0.22			
HPK	HN	112.0	IAML											21:36	51.87	6	0.18			
WLF1	HZ	115.0	EP											21:36	37.85			0.31		
WLF1	HE	115.0	ES											21:36	50.85			0.10		
WLF1	HN	115.0	IAML											21:36	52.06	2	0.12			
WLF1	HE	115.0	IAML											21:36	53.11	2	0.18			
WFS	HE	123.0	ES											21:36	53.26			0.42		
MCH1	HN	133.0	IAML											21:36	57.81	2	0.22			
MCH1	HE	133.0	IAML											21:36	58.30	3	0.28			
March 13 2024			Time: 14:49 48.2 UTC			Magnitude: 2.0 ML														
Lat: 53.266			Lon: 0.095			Depth: 17.2 km														
Grid Ref: 539.71 kmE 376.41 kmN						RMS: 0.20 secs														
Locality: SWABY, LINCOLNSHIRE																				
Velocity model: Lownet Xnear: 125.0 Xfar: 200.0																				
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES										
LMK	HZ	35.1	EP			14:49	55.04							14:50	55.04			0.22		
LMK	HN	35.1	IAML			14:50	00.98	347	0.24					14:50	01.20	158	0.46			
LMK	HE	35.1	IAML			14:50	01.20							14:50	01.20					
WACR	HZ	70.2	EP			14:49	59.89			-0.12				14:49	59.89			-0.12		
WACR	HN	70.2	ES			14:50	08.78			0.16				14:50	08.78			0.16		
WACR	HE	70.2	IAML			14:50	09.53	64	0.19					14:50	09.53	64	0.19			
WACR	HN	70.2	IAML			14:50	09.84	82	0.12					14:50	09.84	82	0.12			
CWF	HZ	111.0	EP			14:50	05.45			-0.42				14:50	05.45			-0.42		
CWF	HN	111.0	ES			14:50	19.00			0.24				14:50	19.00			0.24		
CWF	HN	111.0	IAML			14:50	19.48	19	0.32					14:50	19.48	19	0.32			
CWF	HE	111.0	IAML			14:50	19.48	14	0.14					14:50	19.48	14	0.14			
LBWR	HZ	122.0	EP			14:50	07.40			-0.10				14:50	07.40			-0.10		
LBWR	HN	122.0	ES			14:50	21.54			-0.03				14:50	21.54			-0.03		
LBWR	HN	122.0	IAML			14:50	23.23	62	0.34					14:50	23.23	62	0.34			
LBWR	HE	122.0	IAML			14:50	23.24	61	0.12					14:50	23.24	61	0.12			
HPK	HN	137.0	ES			14:50	25.18			-0.11				14:50	25.18			-0.11		
HPK	HE	137.0	IAML			14:50	26.81	48	0.22					14:50	26.81	48	0.22			
HPK	HN	137.0	IAML			14:50	27.51	35	0.16					14:50	27.51	35	0.16			
AS02	HE	142.0	IAML			14:50	28.45	20	0.16					14:50	28.45	20	0.16			
AS02	HN	142.0	IAML			14:50	29.46	23	0.15					14:50	29.46	23	0.15			
AR05	HN	161.0	ES			14:50	31.34			0.47				14:50	31.34			0.47		
AR05	HE	161.0	IAML			14:50	32.34	23	0.20					14:50	32.34	23	0.20			
AR05	HN	161.0	IAML			14:50	33.06	28	0.28					14:50	33.06	28	0.28			
March 16 2024			Time: 14:57 12.8 UTC			Magnitude: 0.4 ML														
Lat: 54.243			Lon: -3.220			Depth: 7.2 km														
Grid Ref: 320.51 kmE 483.74 kmN						RMS: 0.30 secs														
Locality: KIRKBY, CUMBRIA																				
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0																				
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES										
AP12	HZ	8.0	EP			14:57	14.86			-0.05				14:57	14.86			-0.05		
AP12	HN	8.0	ES			14:57	16.48			0.01				14:57	16.48			0.01		
AP12	HE	8.0	IAML			14:57	16.57	24	0.10					14:57	16.57	24	0.10			
AP12	HN	8.0	IAML			14:57	16.63	12	0.10					14:57	16.63	12	0.10			
AQ12	HZ	37.3	EP			14:57	19.02			-0.49				14:57	19.02			-0.49		
AQ12	HE	37.3	IAML			14:57	25.12	7	0.06					14:57	25.12	7	0.06			
AQ12	HN	37.3	IAML			14:57	25.31	10	0.07					14:57	25.31	10	0.07			
KESW	HZ	39.2	EP			14:57	19.52			-0.25				14:57	19.52			-0.25		
KESW	HN	39.2	ES			14:57	24.58			-0.30				14:57	24.58			-0.30		
KESW	HN	39.2	IAML			14:57	25.26	2	0.25					14:57	25.26	2	0.25			
KESW	HE	39.2	IAML			14:57	25.36	3	0.31					14:57	25.36	3	0.31			
IOMK	HZ	87.7	EP			14:57	27.14			-0.14				14:57	27.14			-0.14		
IOMK	HN	87.7	IAML			14:57	38.26	2	0.12					14:57	38.26	2	0.12			
IOMK	HE	87.7	IAML			14:57	38.29	1	0.09					14:57	38.29	1	0.09			
March 10 2024			Time: 04:29 51.5 UTC			Magnitude: 1.0 ML														
Lat: 56.368			Lon: -5.331			Depth: 11.8 km														
Grid Ref: 194.30 kmE 724.49 kmN						RMS: 0.10 secs														
Locality: MUSDALE, ARGYLL & BUTE																				
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0																				
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES										
LAWE	HZ	12.8	EP			04:29	54.58			-0.07								-0.07		
LAWE	HN	12.8	ES			04:29	56.98			0.04								0.04		
LAWE	HN	12.8	IAML			04:29	57.15	75	0.14							</				

TABLE 2 : PHASE DATA

EDMD	HZ	104.0	EP			14:57	30.21				0.37	SNART	HE	337.0	IAML	11:48	49.05	95	0.26																
EDMD	HN	104.0	ES			14:57	42.47				0.17	SNART	HN	337.0	IAML	11:48	54.40	107	0.64																
EDMD	HE	104.0	IAML			14:57	42.86	3	0.12			BIGH	HZ	362.0	EP	11:47	57.59		-0.14																
EDMD	HN	104.0	IAML			14:57	43.11	3	0.18			BIGH	HN	362.0	ES	11:48	33.35		-0.45																
ESK	HZ	119.0	EP			14:57	32.74				0.52	BIGH	HE	362.0	IAML	11:48	54.35	80	0.42																
ESK	HN	119.0	IAML			14:57	47.92	1	0.19			BIGH	HN	362.0	IAML	11:48	58.36	75	0.60																
ESK	HE	119.0	IAML			14:57	48.14	1	0.11			MCD	HZ	383.0	EP	11:48	00.39		0.01																
GAL1	HZ	119.0	EP			14:57	32.27				0.18	MCD	HE	383.0	IAML	11:48	58.54	59	0.66																
EKA	BZ	121.0	EP			14:57	32.97				0.44	MCD	HN	383.0	IAML	11:49	11.06	89	0.88																
March 22 2024												TARL	HZ	398.0	EP	11:48	02.14		-0.20																
Time: 04:28 30.1 UTC						Magnitude: 1.8 ML						TARL	HE	398.0	IAML	11:48	45.74	85	0.14																
Lat: 54.244 Lon: -3.246						Depth: 10.3 km						TARL	HN	398.0	IAML	11:48	54.93	69	0.14																
Grid Ref: 318.81 kmE 483.88 kmN						RMS: 0.40 secs						DRUM	HZ	404.0	EP	11:48	03.28		0.24																
Locality: KIRKBY,CUMBRIA												DRUM	HN	404.0	IAML	11:48	56.75	134	0.48																
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0												DRUM	HE	404.0	IAML	11:48	57.49	68	0.44																
Comment: FELT ULVERSTON...												MOL	HZ	440.0	EP	11:48	07.55		0.06																
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES		MOL	HN	440.0	IAML	11:49	13.03	3	0.72																
AP12	HZ	7.5	IP		C	04:28	32.63			0.11		MOL	HE	440.0	IAML	11:49	22.74	3	0.52																
AP12	HE	7.5	ES			04:28	34.39			0.13		LINV	HE	446.0	IAML	11:49	17.56	42	0.38																
AP12	HE	7.5	IAML			04:28	34.44	476	0.12			LINV	HN	446.0	IAML	11:49	17.77	51	0.42																
AP12	HN	7.5	IAML			04:28	34.46	432	0.22			PITL	HN	456.0	IAML	11:49	22.63	43	0.48																
AQ12	HZ	38.6	IP		C	04:28	36.68			-0.39		PITL	HE	456.0	IAML	11:49	25.81	34	0.64																
AQ12	HE	38.6	IAML			04:28	42.45	125	0.05			INVG	HZ	507.0	EP	11:48	15.57		-0.25																
AQ12	HN	38.6	IAML			04:28	42.46	170	0.07			INVG	HN	507.0	IAML	11:49	40.50	25	0.62																
KESW	HZ	39.4	IP		C	04:28	37.09			-0.08		INVG	HE	507.0	IAML	11:49	57.14	23	0.60																
KESW	HE	39.4	ES			04:28	42.02			-0.28		KPL	HE	514.0	IAML	11:49	41.51	31	0.40																
KESW	HE	39.4	IAML			04:28	42.27	178	0.24			KPL	HN	514.0	IAML	11:49	43.07	23	0.54																
KESW	HN	39.4	IAML			04:28	42.42	70	0.20			EAB	HZ	539.0	EP	11:48	19.63		-0.16																
AQ10	HN	45.8	ES			04:28	43.89			-0.02		EAB	HE	539.0	IAML	11:49	46.43	27	0.52																
AQ10	HE	45.8	IAML			04:28	44.57	104	0.26			EAB	HN	539.0	IAML	11:49	50.48	26	0.50																
AQ10	HN	45.8	IAML			04:28	44.74	95	0.28			ESK	HZ	577.0	EP	11:48	24.76		0.30																
AR09	HZ	52.6	IP		C	04:28	39.04			-0.19		ESK	HE	577.0	IAML	11:49	32.52	26	0.50																
AR07	HZ	58.4	EP			04:28	40.42			0.32		ESK	HN	577.0	IAML	11:49	33.75	26	0.48																
AR07	HN	58.4	IAML			04:28	47.47	122	0.24			LAWE	HN	578.0	IAML	11:50	01.86	31	0.42																
AR07	HE	58.4	IAML			04:28	48.97	131	0.26			LAWE	HE	578.0	IAML	11:50	01.93	29	0.50																
AR05	HN	85.1	ES			04:28	54.43			-0.08		EDMD	HZ	590.0	EP	11:48	25.68		-0.44																
AR05	HN	85.1	IAML			04:28	55.74	42	0.18			EDMD	HN	590.0	IAML	11:49	25.38	24	0.30																
AR05	HE	85.1	IAML			04:28	56.30	49	0.19			EDMD	HE	590.0	IAML	11:49	30.94	23	0.52																
CTON	HZ	85.3	EP			04:28	44.21			-0.08		March 25 2024																							
IOMK	HZ	86.0	EP			04:28	44.61			0.25		Time: 13:44 54.5 UTC						Magnitude: 1.2 ML																	
IOMK	HN	86.0	IAML			04:28	55.20	42	0.28			Lat: 57.196 Lon: -4.867						Depth: 2.6 km																	
IOMK	HE	86.0	IAML			04:28	55.30	19	0.14			Grid Ref: 226.80 kmE 815.31 kmN						RMS: 0.40 secs																	
WINS	HZ	98.1	EP			04:28	46.18			-0.04		Locality: DALCHREICHART,HIGHLAND																							
EDMD	HZ	106.0	EP			04:28	47.55			0.18		Velocity model: Lownet Xnear: 100.0 Xfar: 200.0																							
HPK	HZ	111.0	EP			04:28	48.62			0.43		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES													
HPK	HN	111.0	IAML			04:29	02.79	46	0.26			GVIE	HZ	21.4	EP			13:44	58.46			-0.26													
HPK	HE	111.0	IAML			04:29	03.18	52	0.28			GVIE	HN	21.4	ES			13:45	01.25			-0.54													
AS02	HE	113.0	IAML			04:29	02.48	15	0.24			GVIE	HN	21.4	IAML			13:45	03.28	32	0.58														
AS02	HN	113.0	IAML			04:29	02.71	13	0.14			GVIE	HE	21.4	IAML			13:45	04.08	58	0.42														
NEWG	HZ	116.0	EP			04:28	48.96			0.04		KPL	HZ	50.0	EP			13:45	03.60			0.15													
NEWG	HE	116.0	IAML			04:29	02.91	13	0.28			KPL	HE	50.0	ES			13:45	09.44			-0.53													
NEWG	HN	116.0	IAML			04:29	03.00	15	0.30			KPL	HN	50.0	IAML			13:45	10.34	10	0.24														
GAL1	HZ	117.0	EP			04:28	49.87			0.76		KPL	HE	50.0	IAML			13:45	11.76	4	0.25														
GAL1	HE	117.0	IAML			04:29	03.45	13	0.28			PITL	HZ	87.8	EP			13:45	09.31			-0.06													
GAL1	HN	117.0	IAML			04:29	03.90	30	0.18			PITL	HE	87.8	IAML			13:45	24.02	8	0.30														
ESK	HZ	119.0	EP			04:28	49.32			-0.10		PITL	HN	87.8	IAML			13:45	24.55	7	0.08														
ESK	HN	119.0	IAML			04:29	04.42	13	0.16			INVG	HZ	99.3	EP			13:45	11.42			0.29													
ESK	HE	119.0	IAML			04:29	04.62	26	0.46			INVG	HE	99.3	IAML			13:45	26.77	9	0.14														
WPS	HZ	125.0	EP			04:28	49.32			-0.85		INVG	HN	99.3	IAML			13:45	27.22	6	0.12														
WPS	HN	125.0	IAML			04:29	06.36	11	0.20			LINV	HZ	108.0	EP			13:45	12.73			0.33													
WPS	HE	125.0	IAML			04:29	06.86	16	0.24			LINV	HE	108.0	IAML			13:45	28.20	6	0.18														
WLF1	HZ	131.0	EP			04:28	50.12			-0.86		LINV	HN	108.0	IAML			13:45	28.74	3	0.16														
WLF1	HE	131.0	IAML			04:29	08.08	12	0.42			LAWE	HZ	109.0	EP			13:45	12.65			0.00													
WLF1	HN	131.0	IAML			04:29	10.20	10	0.28			LAWE	HN	109.0	IAML			13:45	29.86	13	0.14														
AT10	HE	135.0	IAML			04:29	10.16	22	0.28			LAWE	HE	109.0	IAML			13:45	29.96	12	0.20														
AT10	HN	135.0	IAML			04:29	10.76	25	0.20			EAB	HZ	117.0	EP			13:45	14.47			0.62													
LBWR	HE	137.0	ES			04:29	08.73			0.78		EAB	HE	117.0	IAML			13:45	31.26	20	0.44														
LBWR	HN	137.0	IAML			04:29	11.48	13	0.29			EAB	HN	117.0	IAML			13:45	32.19	8	0.17														
LBWR	HE	137.0	IAML			04:29	12.08	18	0.28			TARL	HN	121.0	IAML			13:45	32.46	10	0.28														
FOEL	HZ	151.0	EP			04:28	53.68			-0.27		TARL	HE	121.0	IAML			13:45	32.96	8	0.10														
GDLE	HE	159.0	IAML			04:29	19.50	30	0.32			DRUM	HZ	148.0	EP			13:45	19.36			0.89													
GDLE	HN	159.0	IAML			04:29	20.26	31	0.26			DRUM	HN	148.0	IAML			13:45	39.50	9	0.29														
March 23 2024												DRUM	HE	148.0	IAML	13:45	39.81	6	0.23																
Time: 11:47 08.3 UTC						Magnitude: 3.2 ML						March 26 2024																							
Lat: 59.690 Lon: 1.955						Depth: 10.0 km						Time: 18:17 57.1 UTC						Magnitude: 0.7 ML																	
Grid Ref: 622.55 kmE 1095.96 kmN						RMS: 0.50 secs						Lat: 55.733 Lon: -5.444						Depth: 14.3 km																	
Locality: NORTHERN NORTH SEA												Grid Ref: 183.80 kmE 654.22 kmN						RMS: 0.30 secs																	
Velocity model: North Sea Xnear: 500.0 Xfar: 1000.0												Locality: EASCAIRT,ARGYLL & BUTE												Velocity model: Lownet Xnear: 100.0 Xfar: 200.0											
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES													
LRW	HZ	182.0	EP			11:47	35.29			-0.16		LAWE	HZ	58.7	EP			18:18	07.28			0.16													
LRW	HN	182.0	ES			11:47	56.30			1.03		LAWE	HE	58.7	ES			18:18	14.09			-0.37													
LRW	HE	182.0	IAML			11:47	57.14	492	0.30			LAWE	HE	58.7	IAML			18:18	14.95	3	0.11														
LRW	HN	182.0	IAML			11:47	57.28	563	0.22			LAWE	HN	58.7	IAML			18:18	16.34	4	0.11														
KMY	HZ	194.0	EP			11:47	38.12			1.16		PGB1	HZ	60.9	EP			18:18	07.64			0.18													
KMY	HN	194.0	IAML			11:48	05.20	257	0.30			PGB1	HN	60.9	ES			18:18	14.93			-0.12													
KMY	HE	194.0	IAML			11:48	07.08	182	0.30			CLGH	HN	83.8	ES			18:18	20.95			-0.22													
BER	HN	204.0	IAML			11:48	08.56	117	0.34			CLGH	HN	83.8	IAML			18:18	21.90	3	0.09														
BER	HE	204.0	IAML			11:48	09.55	63	0.36			CLGH	HE	83.8	IAML			18:18	22.37	5	0.15														
SUE	HZ	2																																	

TABLE 2 : PHASE DATA

GALL	HZ	107.0	EP	18:18	14.69			0.36	AQ12	HN	94.8	IAML	02:29	14.19	32	0.18					
GALL	HE	107.0	IAML	18:18	28.01	2	0.16		LLW	BZ	105.0	EP	02:29	02.76			-0.08				
GALL	HN	107.0	IAML	18:18	28.91	3	0.33		KESW	HZ	115.0	EP	02:29	04.41			-0.01				
INVG	HZ	117.0	EP	18:18	16.36			0.65	KESW	HE	115.0	IAML	02:29	17.85	21	0.48					
INVG	HE	117.0	ES	18:18	28.84			-0.47	KESW	HN	115.0	IAML	02:29	19.36	13	0.27					
INVG	HN	117.0	IAML	18:18	31.23	1	0.15		WLF1	HZ	118.0	EP	02:29	04.59			-0.22				
INVG	HE	117.0	IAML	18:18	31.80	1	0.17		WLF1	HN	118.0	ES	02:29	18.38			-0.33				
ESK	HZ	149.0	EP	18:18	20.92			0.60	WLF1	HN	118.0	IAML	02:29	18.56	13	0.18					
March 28 2024									WLF1	HE	118.0	IAML	02:29	19.82	9	0.11					
Time: 01:47 50.2 UTC									WPS	HZ	121.0	EP	02:29	05.03			-0.29				
Lat: 51.811 Lon: -4.521									WPS	HE	121.0	IAML	02:29	19.33	12	0.15					
Grid Ref: 226.23 kmE 215.54 kmN									WPS	HN	121.0	IAML	02:29	20.02	14	0.20					
Locality: ST CLEARS, CARMARTH									WINS	HZ	122.0	EP	02:29	05.85			0.49				
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0									WINS	HN	122.0	IAML	02:29	21.15	30	0.34					
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	WINS	HE	122.0	IAML	02:29	21.62	22	0.24			
RSBS	HZ	22.1	EP			01:47	54.45			-0.05	CWF	HZ	132.0	EP	02:29	07.43		0.52			
RSBS	HN	22.1	ES			01:47	57.59			-0.04	CWF	HE	132.0	IAML	02:29	24.58	10	0.15			
RSBS	HN	22.1	IAML			01:47	57.65	18	0.10		CWF	HN	132.0	IAML	02:29	24.70	15	0.20			
RSBS	HE	22.1	IAML			01:47	58.73	20	0.08		AT10	HZ	132.0	EP	02:29	07.62		0.66			
LPW	HZ	45.9	EP			01:47	58.32			-0.05	IOMK	HE	144.0	IAML	02:29	25.21	15	0.34			
LPW	HE	45.9	ES			01:48	04.38			0.06	IOMK	HN	144.0	IAML	02:29	26.46	8	0.10			
HTL	HN	90.8	ES			01:48	16.37			-0.01	MCH1	HE	178.0	IAML	02:29	36.97	10	0.18			
HTL	HN	90.8	IAML			01:48	16.70	10	0.48		MCH1	HN	178.0	IAML	02:29	37.51	10	0.18			
HTL	HE	90.8	IAML			01:48	18.42	7	0.13		April 5 2024										
HEX	HZ	96.7	EP			01:48	06.28			0.00	Lat: 57.116 Lon: -3.668										
HEX	HE	96.7	IAML			01:48	18.48	5	0.48		Grid Ref: 299.00 kmE 804.00 kmN										
HEX	HN	96.7	IAML			01:48	19.03	5	0.31		Locality: GLENMORE, HIGHLAND										
MCH1	HZ	107.0	EP			01:48	08.06			0.21	Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										
MCH1	HN	107.0	ES			01:48	20.63			-0.08	Comment: 6KM SOUTH GLENMORE										
MCH1	HE	107.0	IAML			01:48	24.31	4	0.12		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MCH1	HN	107.0	IAML			01:48	25.07	4	0.16		PITL	HN	33.3	ES			07:51	02.93			-0.24
MONM	HZ	118.0	EP			01:48	09.75			0.12	PITL	HN	33.3	IAML			07:51	03.12	12	0.07	
MONM	HE	118.0	ES			01:48	23.56			-0.23	PITL	HE	33.3	IAML			07:51	03.14	18	0.09	
MONM	HE	118.0	IAML			01:48	24.42	5	0.11		TARL	HZ	48.4	EP			07:51	00.99			-0.09
MONM	HN	118.0	IAML			01:48	27.26	5	0.24		TARL	HN	48.4	ES			07:51	06.78			-0.44
LLW	BZ	129.0	EP			01:48	11.40			0.07	TARL	HE	48.4	IAML			07:51	07.04	12	0.07	
WLF1	HZ	165.0	EP			01:48	16.43			0.08	TARL	HN	48.4	IAML			07:51	07.11	8	0.10	
WLF1	HN	165.0	IAML			01:48	38.82	2	0.51		GVIE	HE	54.0	ES			07:51	08.59			-0.26
WLF1	HE	165.0	IAML			01:48	38.96	2	0.22		GVIE	HE	54.0	IAML			07:51	09.07	3	0.08	
March 29 2024									GVIE	HN	54.0	IAML	07:51	09.29	4	0.10					
Time: 05:45 06.6 UTC									MCD	HZ	57.7	EP	07:51	02.63			0.12				
Lat: 54.993 Lon: -4.754									MCD	HE	57.7	ES	07:51	09.62			-0.07				
Grid Ref: 223.84 kmE 569.97 kmN									MCD	HN	57.7	IAML	07:51	09.96	5	0.38					
Locality: NEW LUCE, D & G									MCD	HE	57.7	IAML	07:51	09.97	4	0.45					
Velocity model: Lownet Xnear: 75.0 Xfar: 150.0									DRUM	HZ	75.2	EP	07:51	05.54			0.32				
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	DRUM	HN	75.2	ES	07:51	14.55			0.18		
GALL	HZ	14.4	EP			05:45	09.79			0.29	DRUM	HE	75.2	IAML	07:51	14.71	4	0.20			
GALL	HN	14.4	ES			05:45	11.54			-0.11	DRUM	HN	75.2	IAML	07:51	14.74	3	0.19			
GALL	HE	14.4	IAML			05:45	11.62	36	0.10		INVG	HZ	80.0	EP	07:51	06.37			0.40		
GALL	HN	14.4	IAML			05:45	11.68	11	0.10		INVG	HN	80.0	ES	07:51	15.62			-0.06		
NEWG	HZ	36.2	EP			05:45	13.34			0.15	INVG	HE	80.0	IAML	07:51	16.87	1	0.19			
NEWG	HN	36.2	ES			05:45	17.55			-0.48	INVG	HN	80.0	IAML	07:51	17.00	1	0.24			
NEWG	HN	36.2	IAML			05:45	18.52	2	0.19		LINV	HZ	147.0	EP	07:51	16.50			0.51		
NEWG	HE	36.2	IAML			05:45	19.05	2	0.18		April 7 2024										
IOMK	HN	82.5	ES			05:45	30.33			-0.28	Time: 03:32 14.0 UTC										
CLGH	HZ	87.3	EP			05:45	21.54			0.32	Lat: 51.915 Lon: -3.142										
CLGH	HE	87.3	ES			05:45	31.57			-0.36	Grid Ref: 321.46 kmE 224.72 kmN										
CLGH	HN	87.3	IAML			05:45	34.23	1	0.18		Locality: CWMUDU, POWYS										
CLGH	HE	87.3	IAML			05:45	34.24	1	0.25		Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										
ESK	HN	105.0	ES			05:45	37.27			0.58	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ESK	HN	105.0	IAML			05:45	38.64	0	0.18		MCH1	HZ	13.4	IP			03:32	17.23			-0.03
ESK	HE	105.0	IAML			05:45	39.25	1	0.48		MCH1	HN	13.4	ES			03:32	19.75			0.08
KESW	HZ	115.0	EP			05:45	26.45			0.89	MCH1	HE	13.4	IAML			03:32	19.83	99	0.10	
April 5 2024									MCH1	HN	13.4	IAML	03:32	19.84	70	0.10					
Time: 02:28 45.8 UTC									MONM	HZ	24.8	EP	03:32	18.71					-0.09		
Lat: 53.586 Lon: -2.695									MONM	HN	24.8	ES	03:32	22.35					0.01		
Grid Ref: 354.00 kmE 410.19 kmN									MONM	HE	24.8	IAML	03:32	22.49	25	0.11					
Locality: APPLEY BRIDGE, LANC									MONM	HN	24.8	IAML	03:32	22.56	54	0.28					
Velocity model: Lownet Xnear: 100.0 Xfar: 150.0									LPW	HN	67.3	ES	03:32	33.52					-0.03		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	LPW	HN	67.3	IAML	03:32	33.62	5	0.10			
AS02	HN	47.1	ES			02:28	59.77			-0.21	LPW	HE	67.3	IAML	03:32	33.69	6	0.28			
AS02	HN	47.1	IAML			02:28	59.94	67	0.06		STRD	HZ	69.3	EP	03:32	25.62			0.02		
AS02	HE	47.1	IAML			02:29	00.02	36	0.11		STRD	HN	69.3	ES	03:32	34.09			-0.02		
AR07	HZ	48.2	EP			02:28	54.38			0.24	STRD	HN	69.3	IAML	03:32	34.41	9	0.15			
AR07	HN	48.2	ES			02:28	59.89			-0.36	STRD	HE	69.3	IAML	03:32	35.18	7	0.21			
AR07	HE	48.2	IAML			02:29	00.82	95	0.30		SMD	HN	73.7	ES	03:32	35.22			-0.11		
AR07	HN	48.2	IAML			02:29	02.05	101	0.20		HEX	HZ	105.0	EP	03:32	31.35			0.31		
AR05	HZ	63.4	EP			02:28	56.64			0.15	HEX	HN	105.0	IAML	03:32	44.59	9	0.34			
AR05	HN	63.4	IAML			02:29	05.10	60	0.09		HEX	HE	105.0	IAML	03:32	45.39	7	0.43			
AR05	HE	63.4	IAML			02:29	07.10	44	0.22		FOEL	HN	108.0	ES	03:32	44.45			0.00		
LBWR	HZ	67.6	EP			02:28	57.20			0.04	FOEL	HN	108.0	IAML	03:32	44.72	5	0.19			
LBWR	HN	67.6	IAML			02:29	06.65	48	0.24		FOEL	HE	108.0	IAML	03:32	45.85	4	0.24			
LBWR	HE	67.6	IAML			02:29	07.53	38	0.15		RSBS	HN	110.0	ES	03:32	44.73			-0.12		
FOEL	HZ	84.5	EP			02:28	59.96			0.16	RSBS	HE	110.0	IAML	03:32	47.34	5	0.07			
FOEL	HN	84.5	IAML			02:29	12.33	74	0.36		RSBS	HN	110.0	IAML	03:32	48.05	4	0.08			
FOEL	HE	84.5	IAML			02:29	12.87	32	0.40		CWF	HZ	155.0	EP	03:32	38.12			-0.06		
AP12	HZ	88.9	EP			02:29	00.62			0.19	CWF	HN	155.0	IAML	03:32	56.61	4	0.50			
AP12	HE	88.9	IAML			02:29	11.63	17	0.30		CWF	HE	155.0	IAML	03:32	57.45	3	0.10			
AP12	HN	88.9	IAML																		

TABLE 2 : PHASE DATA

April 10 2024 Time: 04:36 37.0 UTC Magnitude: 1.0 ML Lat: 54.085 Lon: -2.059 Depth: 2.6 km Grid Ref: 396.14 kmE 465.48 kmN RMS: 0.10 secs Locality: KILNSEY,N YORKSHIRE Velocity model: Lownet Xnear: 50.0 Xfar: 100.0										CCA1 HZ 7.9 IP C 14:05 00.31 0.00 CCA1 HE 7.9 ES 14:05 01.76 -0.02 CCA1 HN 7.9 IAML 14:05 01.84 7 0.06 CCA1 HE 7.9 IAML 14:05 01.84 7 0.06 GEL05 CZ 7.9 EP 14:05 00.32 0.01 GEL05 CN 7.9 ES 14:05 01.78 -0.00 GEL05 CE 7.9 IAML 14:05 01.84 10 0.04 GEL05 CN 7.9 IAML 14:05 01.84 8 0.06 GEL02 CZ 9.1 EP 14:05 00.49 0.04 GEL02 CN 9.1 IAML 14:05 02.12 31 0.04 GEL02 CE 9.1 IAML 14:05 02.14 32 0.08 GEL07 CZ 11.9 EP 14:05 00.91 0.06 GEL07 CE 11.9 IAML 14:05 02.88 4 0.09 GEL07 CN 11.9 IAML 14:05 02.88 5 0.09 GEL03 CZ 12.3 EP 14:05 00.73 -0.18 GEL03 CE 12.3 ES 14:05 02.87 0.03 GEL03 CE 12.3 IAML 14:05 02.95 24 0.07 GEL03 CN 12.3 IAML 14:05 03.15 20 0.08 GEL09 CZ 13.3 EP 14:05 01.09 0.03 GEL09 CE 13.3 IAML 14:05 03.20 17 0.10 GEL09 CN 13.3 IAML 14:05 03.26 8 0.10
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES CTON HZ 20.3 EP 04:36 41.39 -0.00 CTON HE 20.3 ES 04:36 44.57 -0.06 CTON HE 20.3 IAML 04:36 46.33 18 0.32 CTON HN 20.3 IAML 04:36 51.28 17 0.48 AR07 HZ 28.0 EP 04:36 42.49 -0.18 AR07 HN 28.0 ES 04:36 46.92 0.08 AR07 HN 28.0 IAML 04:36 47.98 40 0.41 AR07 HE 28.0 IAML 04:36 49.71 38 0.32 AR09 HZ 29.4 EP 04:36 42.99 0.03 AR09 HN 29.4 ES 04:36 47.30 -0.04 AR09 HN 29.4 IAML 04:36 48.96 38 0.19 AR09 HE 29.4 IAML 04:36 48.97 36 0.27 AQ12 HZ 59.8 EP 04:36 48.08 0.11 AT10 HZ 65.7 EP 04:36 49.01 0.13 AT10 HE 65.7 IAML 04:36 57.95 12 0.22 AT10 HN 65.7 IAML 04:36 58.35 12 0.30 AP12 HE 82.7 IAML 04:37 06.56 6 0.24 AP12 HN 82.7 IAML 04:37 07.34 7 0.44 KESW HZ 88.1 EP 04:36 53.02 0.67 KESW HE 88.1 IAML 04:37 07.47 7 0.44 KESW HN 88.1 IAML 04:37 09.11 6 0.36										April 16 2024 Time: 04:35 45.1 UTC Magnitude: 0.5 ML Lat: 52.388 Lon: -3.693 Depth: 7.7 km Grid Ref: 284.80 kmE 278.05 kmN RMS: 0.20 secs Locality: LLANGURIG,POWYS Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES LPW HZ 39.9 EP 04:35 52.12 0.02 LPW HE 39.9 ES 04:35 56.98 -0.25 LPW HE 39.9 IAML 04:35 58.72 3 0.12 LPW HN 39.9 IAML 04:35 59.72 3 0.11 LLW BN 51.3 ES 04:36 00.20 -0.13 LLW BE 51.3 IAML 04:36 01.06 4 0.20 LLW BN 51.3 IAML 04:36 01.09 3 0.10 MCH1 HZ 64.4 EP 04:35 56.01 0.08 MCH1 HN 64.4 ES 04:36 03.73 -0.14 MCH1 HE 64.4 IAML 04:36 03.93 6 0.23 MCH1 HN 64.4 IAML 04:36 03.94 6 0.28 FOEL HZ 65.0 EP 04:35 56.33 0.27 FOEL HN 65.0 ES 04:36 04.02 -0.08 RSBS HZ 86.7 EP 04:35 59.70 0.30 RSBS HE 86.7 IAML 04:36 11.51 3 0.15 RSBS HN 86.7 IAML 04:36 12.60 3 0.10 WLF1 HE 111.0 ES 04:36 16.20 -0.07										April 17 2024 Time: 17:43 48.1 UTC Magnitude: 1.5 ML Lat: 52.802 Lon: -2.405 Depth: 7.6 km Grid Ref: 372.70 kmE 322.83 kmN RMS: 0.40 secs Locality: NEWPORT,SHROPSHIRE Velocity model: Lownet Xnear: 100.0 Xfar: 200.0 Comment: 4KM NNW NEWPORT
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES STNC HZ 34.8 EP 17:43 54.37 0.02 STNC HN 34.8 ES 17:43 58.90 -0.03 STNC HE 34.8 IAML 17:43 59.30 202 0.28 STNC HN 34.8 IAML 17:44 00.98 74 0.18 FOEL HZ 54.4 EP 17:43 57.65 0.22 FOEL HN 54.4 ES 17:44 04.00 -0.26 FOEL HN 54.4 IAML 17:44 04.99 21 0.19 FOEL HE 54.4 IAML 17:44 05.24 23 0.20 CWF HZ 74.4 EP 17:44 00.52 0.05 CWF HE 74.4 ES 17:44 08.87 -0.66 LLW BZ 85.1 EP 17:44 02.28 0.15 LLW BE 85.1 ES 17:44 11.60 -0.79 LLW BN 85.1 IAML 17:44 12.55 10 0.12 LLW BZ 85.1 IAML 17:44 14.13 4 0.15 MONM HZ 111.0 EP 17:44 06.55 0.48 MONM HN 111.0 IAML 17:44 23.80 26 0.16 MONM HE 111.0 IAML 17:44 24.19 28 0.24 AR07 HZ 133.0 EP 17:44 10.04 0.61 AR07 HZ 135.0 EP 17:44 10.16 0.46 LPW HZ 137.0 EP 17:44 10.51 0.58 WLF1 HZ 144.0 EP 17:44 11.34 0.33 CTON HZ 164.0 EP 17:44 14.72 0.75 AQ12 HZ 183.0 EP 17:44 16.90 0.52 RSBS HZ 185.0 EP 17:44 16.51 -0.08										April 17 2024 Time: 22:38 31.2 UTC Magnitude: 1.2 ML Lat: 53.955 Lon: -0.342 Depth: 18.0 km Grid Ref: 508.78 kmE 452.28 kmN RMS: 0.20 secs Locality: EMMOTLAND,E YORKSHIRE Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES DSB HZ 51.2 EP 04:20 43.18 0.17 DSB HE 51.2 ES 04:20 49.08 -0.34 DSB HE 51.2 IAML 04:20 49.28 4 0.12 DSB HN 51.2 IAML 04:20 49.74 5 0.08 IWEX HZ 92.3 EP 04:20 49.01 -0.40 IWEX HN 92.3 ES 04:21 00.80 0.30 WPS HZ 100.0 EP 04:20 50.54 -0.03 WPS HN 100.0 IAML 04:21 02.63 5 0.46 WPS HE 100.0 IAML 04:21 03.52 5 0.24 WLF1 HZ 101.0 EP 04:20 50.68 -0.02 WLF1 HN 101.0 IAML 04:21 02.94 3 0.23 WLF1 HE 101.0 IAML 04:21 04.17 3 0.11 ILTH HZ 125.0 EP 04:20 54.96 0.46 ILTH HN 125.0 ES 04:21 09.37 0.08 ILTH HN 125.0 IAML 04:21 10.99 3 0.17 ILTH HE 125.0 IAML 04:21 11.53 2 0.20 RSBS HZ 132.0 EP 04:20 55.70 0.27 RSBS HN 132.0 ES 04:21 10.71 -0.20 RSBS HE 132.0 IAML 04:21 12.00 4 0.07 RSBS HN 132.0 IAML 04:21 12.08 4 0.25 LLW BE 143.0 ES 04:21 13.65 -0.15 LLW BN 143.0 IAML 04:21 15.04 1 0.22 LLW BE 143.0 IAML 04:21 15.11 1 0.32 IOMK HZ 167.0 EP 04:21 01.08 0.62 FOEL HZ 174.0 EP 04:21 01.10 -0.34										STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES AU08 HZ 28.1 IP D 22:38 36.81 -0.04 AU08 HE 28.1 ES 22:38 40.94 -0.06 AU08 HN 28.1 IAML 22:38 41.59 20 0.16 AU08 HE 28.1 IAML 22:38 41.69 22 0.14 AU05 HZ 36.5 EP 22:38 37.70 -0.30 AU05 HN 36.5 ES 22:38 42.93 -0.05 AU05 HN 36.5 IAML 22:38 43.36 32 0.20 AU05 HE 36.5 IAML 22:38 43.50 27 0.10 AU07 HN 44.0 ES 22:38 45.23 0.31 AU07 HN 44.0 IAML 22:38 45.71 29 0.20
April 14 2024 Time: 14:04 58.4 UTC Magnitude: 0.2 ML Lat: 50.122 Lon: -5.181 Depth: 7.4 km Grid Ref: 172.65 kmE 29.57 kmN RMS: 0.10 secs Locality: CONSTANTINE,CORNWALL Velocity model: Cornwall Xnear: 10.0 Xfar: 20.0										STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES

TABLE 2 : PHASE DATA

AU07	HE	44.0	IAML	22:38	45.74	29	0.15			STNC	HN	278.0	IAML	02:53	29.61	74	0.34							
LMK	HZ	55.4	EP	22:38	40.80			-0.03		STNC	HE	278.0	IAML	02:53	35.33	82	0.42							
LMK	HN	55.4	ES	22:38	48.15			0.27		AR07	HZ	281.0	EP	02:52	47.59			0.15						
LMK	HE	55.4	IAML	22:38	48.81	19	0.25			AR07	HN	281.0	IAML	02:53	31.45	220	0.40							
LMK	HN	55.4	IAML	22:38	49.02	33	0.40			AR07	HE	281.0	IAML	02:53	31.97	154	0.26							
GDLE	HZ	60.5	EP	22:38	41.40			-0.17		AR09	HE	283.0	IAML	02:53	29.22	104	0.22							
GDLE	HN	60.5	ES	22:38	49.45			0.29		AR09	HN	283.0	IAML	02:53	32.32	201	0.38							
GDLE	HN	60.5	IAML	22:38	50.33	14	0.37			BOST	HZ	295.0	EP	02:52	48.96			-0.14						
GDLE	HE	60.5	IAML	22:38	52.39	12	0.44			ELSH	HZ	298.0	EP	02:52	49.76			0.22						
AT10	HZ	71.4	EP	22:38	43.07			-0.09		ELSH	HN	298.0	IAML	02:53	36.70	110	0.68							
AT10	HN	71.4	ES	22:38	51.94			0.03		ELSH	HE	298.0	IAML	02:53	42.20	74	0.32							
AT10	HN	71.4	IAML	22:38	52.27	9	0.39			AQ12	HZ	307.0	EP	02:52	50.49			-0.09						
AT10	HE	71.4	IAML	22:38	52.46	6	0.16			AQ12	HN	307.0	IAML	02:53	37.07	22	0.28							
CTON	HZ	110.0	EP	22:38	48.50			-0.12		AQ12	HE	307.0	IAML	02:53	37.17	26	0.42							
CTON	HN	110.0	ES	22:39	01.34			-0.02		BRDL	HN	323.0	IAML	02:53	44.16	119	0.64							
CTON	HN	110.0	IAML	22:39	01.56	8	0.36			BRDL	HE	323.0	IAML	02:53	49.44	86	0.50							
CTON	HE	110.0	IAML	22:39	01.60	3	0.21			KESW	HE	333.0	IAML	02:53	49.73	18	0.38							
AR05	HZ	110.0	EP	22:38	48.65			-0.02		KESW	HN	333.0	IAML	02:53	50.09	21	0.40							
AR05	HE	110.0	IAML	22:39	01.94	6	0.36			AP12	HE	337.0	IAML	02:53	51.40	14	0.22							
AR05	HN	110.0	IAML	22:39	03.15	5	0.20			AP12	HN	337.0	IAML	02:53	52.20	26	0.34							
April 18 2024										Time: 00:15 42.2 UTC		Magnitude: 0.7 ML		HMNX	HE	341.0	IAML	02:53	52.29	82	0.36			
Lat: 55.773										Lon: -5.335		Depth: 7.8 km		FOEL	HZ	348.0	EP	02:52	55.60		-0.20			
Grid Ref: 190.85 kmE										658.33 kmN		RMS: 0.30 secs		FOEL	HN	348.0	IAML	02:53	49.58	49	0.45			
Locality: SKIPNESS,ARGYLL & BUTE														FOEL	HE	348.0	IAML	02:53	50.66	40	0.34			
Velocity model: Lownet										Xnear: 100.0		Xfar: 200.0		SWN1	HZ	352.0	EP	02:52	56.65		0.39			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	SWN1	HE	352.0	IAML	02:53	50.00	36	0.48						
PGB1	HZ	53.6	EP			00:15	51.49			0.06	SWN1	HN	352.0	IAML	02:53	53.13	21	0.34						
PGB1	HN	53.6	ES			00:15	57.75			-0.38	ESK	HZ	366.0	EP	02:52	57.74			-0.18					
PGB1	HN	53.6	IAML			00:15	58.45	10	0.20		ESK	HN	366.0	IAML	02:53	35.67	12	0.19						
PGB1	HE	53.6	IAML			00:15	58.50	6	0.18		ESK	HE	366.0	IAML	02:53	35.73	11	0.21						
LAW6	HZ	54.4	EP			00:15	51.78			0.24	ESY	HZ	369.0	EP	02:52	58.15			-0.21					
LAW6	HN	54.4	ES			00:15	58.09			-0.23	MONM	HZ	380.0	EP	02:52	59.26			-0.38					
LAW6	HN	54.4	IAML			00:15	58.78	2	0.11		MONM	HN	380.0	IAML	02:53	56.01	24	0.28						
LAW6	HE	54.4	IAML			00:15	59.55	3	0.14		MONM	HE	380.0	IAML	02:53	58.17	33	0.52						
EAB	HZ	77.6	EP			00:15	55.22			0.05	MCH1	HZ	380.0	EP	02:52	59.33			-0.41					
EAB	HN	77.6	ES			00:16	04.43			-0.17	MCH1	HN	380.0	IAML	02:53	53.31	19	0.22						
EAB	HE	77.6	IAML			00:16	07.52	6	0.17		MCH1	HE	380.0	IAML	02:54	02.51	22	0.26						
EAB	HN	77.6	IAML			00:16	08.31	6	0.25		LLW	BZ	380.0	EP	02:52	59.32			-0.32					
CLGH	HZ	91.2	EP			00:15	56.91			-0.35	EDI	HZ	399.0	EP	02:53	01.89			-0.09					
NEWG	HZ	101.0	EP			00:15	59.00			0.22	SMD	HZ	413.0	EP	02:53	03.70			-0.14					
INVG	HZ	108.0	EP			00:16	00.43			0.48	SMD	HE	413.0	IAML	02:53	45.23	15	0.18						
GALL	HE	108.0	IAML			00:16	13.64	3	0.13		SMD	HN	413.0	IAML	02:53	46.35	13	0.24						
GALL	HN	108.0	IAML			00:16	14.34	3	0.16		WLF1	HZ	415.0	EP	02:53	03.34			-0.70					
ESK	HZ	144.0	EP			00:16	05.70			0.55	WLF1	HN	415.0	IAML	02:53	44.16	12	0.16						
April 18 2024										Time: 02:52 08.1 UTC		Magnitude: 3.0 ML		WLF1	HE	415.0	IAML	02:53	45.06	9	0.12			
Lat: 53.798										Lon: 1.809		Depth: 11.3 km		NEWG	HZ	418.0	EP	02:53	04.11		-0.31			
Grid Ref: 650.81 kmE										440.28 kmN		RMS: 0.40 secs		NEWG	HN	418.0	IAML	02:53	46.16	6	0.20			
Locality: SOUTHERN NORTH SEA														NEWG	HE	418.0	IAML	02:53	47.67	10	0.34			
Velocity model: North Sea										Xnear: 300.0		Xfar: 600.0		IBBN	HZ	432.0	EP	02:53	06.04		-0.09			
Comment: 100KM NNE CROMER														LPW	HZ	437.0	EP	02:53	06.23		-0.53			
											HGN	HZ	439.0	EP	02:53	06.91			-0.14					
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	GALL	HZ	440.0	EP	02:53	06.82			-0.36					
WACR	HZ	143.0	EP			02:52	30.25			0.00	DRUM	HZ	441.0	EP	02:53	06.69			-0.56					
WACR	HE	143.0	ES			02:52	46.50			0.09	DOU	HZ	454.0	EP	02:53	07.83			-1.07					
WACR	HN	143.0	IAML			02:52	48.94	188	0.36		EAB	HZ	475.0	EP	02:53	11.35			-0.12					
WACR	HE	143.0	IAML			02:52	49.77	197	0.15		TARL	HZ	477.0	EP	02:53	11.37			-0.39					
LMK	HZ	146.0	EP			02:52	30.80			0.15	PITL	HZ	480.0	EP	02:53	11.77			-0.42					
LMK	HN	146.0	ES			02:52	46.82			-0.29	RSBS	HZ	486.0	EP	02:53	11.89			-1.03					
LMK	HE	146.0	IAML			02:52	50.39	586	0.30		SNART	HZ	607.0	EP	02:53	26.51			-1.36					
LMK	HN	146.0	IAML			02:52	51.98	789	0.25															
AU08	HZ	166.0	EP			02:52	33.91			0.79	April 18 2024										Time: 18:36 09.7 UTC		Magnitude: 1.4 ML	
AU08	HN	166.0	IAML			02:52	57.26	128	0.18		Lat: 53.504										Lon: -1.013		Depth: 2.5 km	
AU08	HE	166.0	IAML			02:52	58.83	132	0.33		Grid Ref: 465.46 kmE										401.29 kmN		RMS: 0.20 secs	
BEDF	HZ	176.0	EP			02:52	34.66			0.31	Locality: AUCKLEY,S YORKSHIRE													
BEDF	HN	176.0	ES			02:52	53.71			0.20	Velocity model: Lownet										Xnear: 100.0		Xfar: 200.0	
BEDF	HE	176.0	IAML			02:52	54.14	420	0.17		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES			
BEDF	HN	176.0	IAML			02:52	55.12	305	0.09		AU05	HZ	40.7	EP	18:36	17.05			0.00					
SIZE	CE	176.0	IAML			02:52	54.43	538	0.23		AU05	HN	40.7	ES	18:36	22.16			-0.26					
SIZE	CN	176.0	IAML			02:52	55.31	219	0.19		AU05	HN	40.7	IAML	18:36	23.86	54	0.48						
GDLE	HZ	185.0	EP			02:52	35.87			0.38	AU05	HE	40.7	IAML	18:36	25.49	41	0.40						
GDLE	HN	185.0	IAML			02:53	05.13	326	0.28		LMK	HZ	45.9	EP	18:36	17.92			-0.04					
GDLE	HE	185.0	IAML			02:53	06.06	290	0.36		LMK	HN	45.9	IAML	18:36	24.65	41	0.26						
ELMS	HZ	198.0	EP			02:52	37.14			0.13	LMK	HE	45.9	IAML	18:36	25.78	53	0.26						
ELMS	HE	198.0	IAML			02:53	05.19	345	0.24		AU08	HZ	72.8	EP	18:36	22.59			0.40					
ELMS	HN	198.0	IAML			02:53	06.23	256	0.14		AU08	HE	72.8	IAML	18:36	35.50	19	0.27						
AT10	HZ	205.0	EP			02:52	38.37			0.35	AU08	HN	72.8	IAML	18:36	36.00	20	0.20						
AT10	HN	205.0	IAML			02:53	16.19	108	0.32		CWF	HZ	87.4	EP	18:36	24.36			-0.10					
AT10	HE	205.0	IAML			02:53	16.20																	

TABLE 2 : PHASE DATA

STBN	CZ	27.6	EP	01:42	22.47		0.14	April 21 2024	Time: 01:28 26.7 UTC	Magnitude: 0.3 ML								
STBN	CN	27.6	ES	01:42	26.00		-0.07	Lat: 56.156	Lon: -4.788	Depth: 10.6 km								
STBN	CE	27.6	IAML	01:42	26.41	577	0.24	Grid Ref: 226.86 kmE	699.42 kmN	RMS: 0.30 secs								
STBN	CN	27.6	IAML	01:42	26.88	489	0.15	Locality: CRAGGAN, ARGYLL & BUTE										
CWF	HZ	33.5	IP	01:42	23.18		-0.11	Velocity model: Lownet	Xnear: 100.0	Xfar: 200.0								
CWF	HE	33.5	ES	01:42	27.24		-0.48	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CWF	HE	33.5	IAML	01:42	27.65	657	0.10	EAB	HZ	28.2	EP			01:28	32.23			0.25
CWF	HN	33.5	IAML	01:42	27.97	537	0.09	EAB	HN	28.2	ES			01:28	35.75			-0.11
STNC	HZ	44.5	EP	01:42	25.10		0.10	EAB	HE	28.2	IAML			01:28	36.12	7	0.10	
STNC	HE	44.5	IAML	01:42	32.04	296	0.15	EAB	HN	28.2	IAML			01:28	36.26	8	0.10	
STNC	HN	44.5	IAML	01:42	32.51	528	0.18	LAW	HZ	39.6	IP		C	01:28	33.84			0.14
LMK	HZ	96.9	EP	01:42	33.41		0.31	LAW	HE	39.6	ES			01:28	38.58			-0.26
LMK	HE	96.9	IAML	01:42	46.33	221	0.26	LAW	HN	39.6	IAML			01:28	38.91	2	0.18	
LMK	HN	96.9	IAML	01:42	47.47	229	0.20	LAW	HE	39.6	IAML			01:28	39.35	2	0.12	
FOEL	HZ	111.0	EP	01:42	35.28		-0.05	PGB1	HE	42.8	ES			01:28	39.71			0.00
AR05	HZ	115.0	EP	01:42	35.87		0.01	PGB1	HE	42.8	IAML			01:28	39.92	3	0.28	
AR05	HN	115.0	ES	01:42	49.20		-0.28	PGB1	HN	42.8	IAML			01:28	39.95	4	0.28	
AR05	HN	115.0	IAML	01:42	51.40	146	0.28	INVG	HZ	55.1	EP			01:28	36.25			0.14
AR05	HE	115.0	IAML	01:42	51.67	131	0.18	INVG	HE	55.1	ES			01:28	42.46			-0.55
AR07	HZ	126.0	EP	01:42	37.69		0.11	INVG	HN	55.1	IAML			01:28	43.41	1	0.13	
AR07	HN	126.0	ES	01:42	53.11		0.65	INVG	HE	55.1	IAML			01:28	43.68	2	0.13	
AR07	HE	126.0	IAML	01:42	54.62	193	0.24	PITL	HZ	104.0	EP			01:28	44.24			0.52
AR07	HN	126.0	IAML	01:42	54.72	330	0.18	PITL	HN	104.0	IAML			01:28	59.40	1	0.07	
AU08	HZ	139.0	EP	01:42	39.30		-0.08	PITL	HE	104.0	IAML			01:28	59.56	2	0.08	
AU08	HN	139.0	IAML	01:42	58.75	67	0.17	NEWG	HE	121.0	ES			01:29	00.00			-0.32
AU08	HE	139.0	IAML	01:42	59.32	100	0.14	NEWG	HN	121.0	IAML			01:29	02.05	0	0.27	
CTON	HZ	142.0	EP	01:42	40.05		0.16	NEWG	HE	121.0	IAML			01:29	02.44	1	0.13	
CTON	HE	142.0	IAML	01:42	58.26	47	0.22	ESK	HN	136.0	ES			01:29	04.38			0.17
CTON	HN	142.0	IAML	01:42	59.39	61	0.25	ESK	HE	136.0	IAML			01:29	06.83	1	0.25	
STRD	HZ	142.0	EP	01:42	40.14		0.27	ESK	HN	136.0	IAML			01:29	06.85	1	0.29	
STRD	HN	142.0	IAML	01:42	58.35	190	0.12	GALL	HE	144.0	ES			01:29	06.03			0.09
STRD	HE	142.0	IAML	01:43	02.78	116	0.27											
LLW	BZ	143.0	EP	01:42	40.02		0.09	April 21 2024	Time: 05:29 31.6 UTC	Magnitude: 0.6 ML								
MCH1	HZ	148.0	EP	01:42	40.63		-0.11	Lat: 51.088	Lon: -2.804	Depth: 3.7 km								
MCH1	HN	148.0	ES	01:42	57.59		-0.33	Grid Ref: 343.70 kmE	132.44 kmN	RMS: 0.10 secs								
MCH1	HN	148.0	IAML	01:42	59.24	158	0.26	Locality: LANGPORT, SOMERSET										
MCH1	HE	148.0	IAML	01:42	59.53	103	0.18	Velocity model: Lownet	Xnear: 100.0	Xfar: 200.0								
AR09	HZ	149.0	EP	01:42	40.99		0.14	Comment: 5KM NNE LANGPORT										
AR09	HE	149.0	IAML	01:43	00.01	188	0.18	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AR09	HN	149.0	IAML	01:43	02.36	121	0.06	SMD	HZ	25.3	EP			05:29	36.28			-0.13
SKP	HZ	151.0	EP	01:42	41.04		-0.10	SMD	HN	25.3	ES			05:29	40.02			0.09
SKP	HE	151.0	IAML	01:43	01.59	92	0.14	SMD	HN	25.3	IAML			05:29	40.36	12	0.18	
SKP	HN	151.0	IAML	01:43	01.65	76	0.14	SMD	HE	25.3	IAML			05:29	40.42	13	0.22	
WACR	HZ	151.0	EP	01:42	41.15		0.10	HEX	HZ	70.0	EP			05:29	43.57			-0.04
WACR	HN	151.0	IAML	01:42	59.80	89	0.24	HEX	HN	70.0	IAML			05:29	55.83	7	0.10	
WACR	HE	151.0	IAML	01:43	00.99	112	0.12	HEX	HE	70.0	IAML			05:29	56.12	3	0.16	
MONM	HZ	154.0	EP	01:42	41.73		0.13	MONM	HN	83.6	ES			05:29	56.10			0.11
MONM	HN	154.0	ES	01:42	59.65		0.25	MONM	HN	83.6	IAML			05:29	56.39	2	0.32	
MONM	HE	154.0	IAML	01:43	01.19	199	0.26	MONM	HE	83.6	IAML			05:29	56.63	2	0.23	
MONM	HN	154.0	IAML	01:43	01.33	153	0.18	STRD	HN	88.6	ES			05:29	57.34			-0.01
AT10	HZ	155.0	EP	01:42	42.13		0.42	MCH1	HE	102.0	ES			05:30	00.91			-0.07
AT10	HE	155.0	IAML	01:43	02.44	360	0.30	MCH1	HE	102.0	IAML			05:30	01.25	4	0.16	
AT10	HN	155.0	IAML	01:43	02.58	181	0.18	MCH1	HN	102.0	IAML			05:30	01.66	2	0.12	
SWN1	HZ	166.0	EP	01:42	43.79		0.50	DYA	HZ	108.0	EP			05:29	49.54			0.09
SWN1	HE	166.0	IAML	01:43	05.28	52	0.40	DYA	HE	108.0	IAML			05:30	04.23	1	0.08	
SWN1	HN	166.0	IAML	01:43	07.59	45	0.19	DYA	HN	108.0	IAML			05:30	05.78	1	0.26	
GDLE	HZ	166.0	EP	01:42	42.49		-0.79	HLM1	HN	159.0	ES			05:30	15.58			-0.20
GDLE	HN	166.0	IAML	01:43	06.33	116	0.22	HLM1	HE	159.0	IAML			05:30	16.98	1	0.14	
GDLE	HE	166.0	IAML	01:43	06.73	100	0.40	HLM1	HN	159.0	IAML			05:30	17.79	2	0.16	
WINS	HZ	174.0	EP	01:42	43.93		-0.34											
WINS	HE	174.0	IAML	01:43	06.89	78	0.16	April 21 2024	Time: 23:57 41.2 UTC	Magnitude: 0.6 ML								
WINS	HN	174.0	IAML	01:43	06.97	99	0.18	Lat: 54.202	Lon: -4.268	Depth: 2.6 km								
AQ12	HZ	178.0	EP	01:42	43.91		-0.97	Grid Ref: 252.08 kmE	480.87 kmN	RMS: 0.30 secs								
AQ12	HE	178.0	IAML	01:43	08.10	35	0.14	Locality: IRISH SEA										
AQ12	HN	178.0	IAML	01:43	08.60	25	0.07	Velocity model: Lownet	Xnear: 150.0	Xfar: 200.0								
WLF1	HZ	193.0	EP	01:42	46.41		-0.16	Comment: 15KM ENE DOUGLAS, IOM										
WLF1	HN	193.0	IAML	01:43	11.23	28	0.46	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WLF1	HE	193.0	IAML	01:43	11.63	21	0.24	IOMK	HZ	20.5	EP			23:57	44.92			-0.19
LPW	HZ	197.0	EP	01:42	47.16		0.08	IOMK	HN	20.5	ES			23:57	47.65			-0.35
ELMS	HZ	200.0	EP	01:42	47.82		0.29	IOMK	HN	20.5	IAML			23:57	47.97	8	0.05	
ELMS	HN	200.0	IAML	01:43	13.35	197	0.28	IOMK	HE	20.5	IAML			23:57	47.98	7	0.11	
ELMS	HE	200.0	IAML	01:43	13.62	130	0.20	GALL	HZ	79.3	EP			23:57	55.07			0.43
WPS	HZ	201.0	EP	01:42	47.35		-0.33	GALL	HN	79.3	ES			23:58	04.60			0.11
WPS	HE	201.0	IAML	01:43	13.40	18	0.12	GALL	HE	79.3	IAML			23:58	07.26	4	0.22	
WPS	HN	201.0	IAML	01:43	14.62	21	0.26	GALL	HN	79.3	IAML			23:58	07.85	3	0.20	
KESW	HZ	204.0	EP	01:42	47.39		-0.69	KESW	HZ	86.9	EP			23:57	55.67			-0.18
KESW	HN	204.0	IAML	01:43	14.08	22	0.58	KESW	HN	86.9	IAML			23:58	08.52	3	0.33	
KESW	HE	204.0	IAML	01:43	14.74	29	0.41	KESW	HE	86.9	IAML			23:58	08.92	2	0.19	
SMD	HZ	204.0	EP	01:42	48.40		0.34	AQ12	HE	102.0	EP			23:57	57.94			-0.28
SMD	HE	204.0	IAML	01:43	13.51	30	0.20	AQ12	HE	102.0	IAML			23:58	11.63	3	0.05	
SMD	HN	204.0	IAML	01:43	14.71	39	0.30	AQ12	HN	102.0	IAML			23:58	11.78	4	0.07	
BEDF	HZ	208.0	EP	01:42	48.98		0.44	NEWG	HZ	102.0	EP			23:57	58.54			0.39
BEDF	HE	208.0	IAML	01:43	16.04	103	0.28	NEWG	HN	102.0	ES			23:58	10.54			-0.02
BEDF	HN	208.0	IAML	01:43	18.09	138	0.48	NEWG	HE	102.0	IAML			23:58	13.21	3	0.16	
RSBS	HZ	246.0	EP	01:42	52.64		-0.62	NEWG	HN	102.0	IAML			23:58	13.34	2	0.22	
RSBS	HN	246.0	IAML	01:43	25.67	19	0.24	AR09	HZ	119.0	EP			23:58	01.15			0.26
RSBS	HE	246.0	IAML	01:43	27.27	12	0.09	AR09	HN	119.0	ES			23:58	15.39			0.08
HEX	HE	264.0	IAML	01:43	29.33	28	0.44	ILTH	HZ	137.0	EP			23:58	03.80			0.34
HEX	HN	264.0	IAML	01:43	30.65	27	0.28	ESK	HZ	142.0	EP			23:58	03.87			-0.36
ESK	HZ	280.0	EP	01:42	56.58		-0.91	ESK	HN	142.0	IAML			23:58	22.27	1	0.16	
ESK	HE	280.0</																

TABLE 2 : PHASE DATA

April 25 2024										Time: 01:04 53.4 UTC										Magnitude: 1.0 ML										HTL HZ 107.0 EP 07:31 32.14										0.06									
Lat: 49.492										Lon: -5.408										Depth: 15.1 km										HTL HN 107.0 ES 07:31 44.86										-0.00									
Grid Ref: 153.24 kmE										-39.73 kmN										RMS: 0.10 secs										HTL HN 107.0 IAML 07:31 45.89										8 0.42									
Locality: CELTIC SEA																														HTL HE 107.0 IAML 07:31 49.75										8 0.53									
Velocity model: Lownet										Xnear: 100.0										Xfar: 200.0										HEX HZ 127.0 EP 07:31 35.18										0.16									
Comment: 55KM SSW LIZARD PT																														HEX HN 127.0 ES 07:31 49.71										-0.23									
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES																	
CCA1	HZ	78.3	EP			01:05	06.33			-0.05	HEX	HE	127.0	IAML			07:31	50.92			8 0.33	HEX	HN	127.0	IAML			07:31	51.18		7 0.26																		
CCA1	HN	78.3	IAML			01:05	17.88	3	0.14		MCH1	HZ	143.0	EP			07:31	37.55				MCH1	HN	143.0	IAML			07:31	56.77		8 0.08																		
CCA1	HE	78.3	IAML			01:05	18.22	4	0.26		MCH1	HE	143.0	IAML			07:31	58.57			9 0.18	MONM	HZ	156.0	EP			07:31	39.65		0.45																		
GEL05	CZ	78.4	EP			01:05	06.31			-0.08	HLM1	HZ	166.0	EP			07:31	40.57				HLM1	HE	166.0	IAML			07:32	01.94		4 0.23																		
GEL05	CE	78.4	ES			01:05	15.85			0.00	HLM1	HN	166.0	IAML			07:32	02.36			5 0.20	FOEL	HZ	169.0	EP			07:31	40.95		-0.09																		
GEL05	CN	78.4	IAML			01:05	17.91	3	0.17		FOEL	HE	169.0	IAML			07:32	03.19			4 0.20	FOEL	HN	169.0	IAML			07:32	03.47		6 0.34																		
GEL05	CE	78.4	IAML			01:05	18.22	5	0.20		WPS	HZ	173.0	EP			07:31	41.24			-0.14	WPS	HE	173.0	IAML			07:32	01.92		4 0.28																		
GEL02	CZ	81.1	EP			01:05	06.68			-0.06	WPS	HN	173.0	IAML			07:32	02.71			3 0.21	DYA	HE	180.0	IAML			07:32	04.32		3 0.26																		
GEL02	CE	81.1	IAML			01:05	18.67	14	0.14		DYA	HN	180.0	IAML			07:32	06.85			3 0.37																												
GEL02	CN	81.1	IAML			01:05	19.13	11	0.16																																								
GEL07	CZ	83.8	EP			01:05	07.29			0.16																																							
GEL03	CZ	84.3	EP			01:05	07.17			-0.03																																							
GEL03	CE	84.3	IAML			01:05	19.42	14	0.18																																								
GEL03	CN	84.3	IAML			01:05	19.59	11	0.17																																								
GEL09	CZ	84.7	EP			01:05	07.32			0.06																																							
GEL09	CE	84.7	IAML			01:05	19.56	8	0.07																																								
GEL09	CN	84.7	IAML			01:05	19.57	7	0.08																																								
DYA	HZ	149.0	EP			01:05	15.97			0.00	April 28 2024										Time: 21:01 47.8 UTC										Magnitude: 0.6 ML																		
DYA	HE	149.0	ES			01:05	32.42			-0.01	Lat: 53.423										Lon: -5.764										Depth: 11.5 km																		
DYA	HE	149.0	IAML			01:05	34.24	2	0.23		Grid Ref: 149.95 kmE										398.43 kmN										RMS: 0.20 secs																		
DYA	HN	149.0	IAML			01:05	35.49	2	0.16		Locality: IRISH SEA																																						
										Velocity model: Lownet										Xnear: 100.0										Xfar: 200.0										Comment: 30KM ENE DUBLIN BAY									
April 25 2024										Time: 18:56 07.1 UTC										Magnitude: 1.2 ML										STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES										DSB HZ 45.3 EP 21:01 55.84 0.17									
Lat: 53.676										Lon: -2.342										Depth: 3.8 km										DSB HN 45.3 ES 21:02 01.19 -0.25																			
Grid Ref: 377.41 kmE										420.03 kmN										RMS: 0.10 secs										DSB HN 45.3 IAML 21:02 01.42 2 0.15																			
Locality: HELMSHORE, LANCASHIRE																														DSB HE 45.3 IAML 21:02 01.81 2 0.10																			
Velocity model: Lownet										Xnear: 100.0										Xfar: 200.0										ILTH HZ 77.1 EP 21:02 00.75 0.16																			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES																	
AR07	HZ	36.4	EP			18:56	13.90			0.16	ILTH	HN	77.1	ES			21:02	09.82			-0.13	ILTH	HE	77.1	IAML			21:02	12.35		3 0.16																		
AR07	HE	36.4	ES			18:56	18.43			-0.19	ILTH	HN	77.1	IAML			21:02	12.37			4 0.16	WPS	HZ	84.2	EP			21:02	01.89		0.21																		
AR07	HN	36.4	IAML			18:56	18.90	95	0.14		ILTH	HE	77.1	IAML			21:02	12.81			3 0.38	WPS	HN	84.2	ES			21:02	11.67		-0.17																		
AR07	HE	36.4	IAML			18:56	19.24	93	0.15		ILTH	HN	77.1	IAML			21:02	12.17			4 0.21	WPS	HE	84.2	IAML			21:02	12.81		3 0.38																		
HPK	HZ	56.7	EP			18:56	17.06			0.07	WLF1	HZ	92.3	EP			21:02	03.25			0.31	WPS	HN	84.2	ES			21:02	11.67		-0.17																		
HPK	HN	56.7	ES			18:56	24.22			-0.03	WLF1	HN	92.3	ES			21:02	13.78			-0.24	WPS	HE	84.2	IAML			21:02	12.17		4 0.21																		
HPK	HE	56.7	IAML			18:56	25.40	25	0.14		WLF1	HE	92.3	IAML			21:02	14.47			2 0.17	WPS	HN	84.2	IAML			21:02	12.81		3 0.38																		
HPK	HN	56.7	IAML			18:56	25.43	29	0.23		WLF1	HN	92.3	IAML			21:02	14.64			2 0.56	WPS	HE	84.2	IAML			21:02	12.81		3 0.38																		
CTON	HZ	69.5	EP			18:56	18.91			-0.10	WLF1	HE	92.3	IAML			21:02	14.64			2 0.56	WPS	HN	84.2	IAML			21:02	12.81		3 0.38																		
CTON	HN	69.5	IAML			18:56	30.27	11	0.17		WLF1	HN	92.3	IAML			21:02	14.47			2 0.17	WPS	HE	84.2	IAML			21:02	12.81		3 0.38																		
CTON	HE	69.5	IAML			18:56	30.49	9	0.16		WLF1	HE	92.3	IAML			21:02	14.64			2 0.56	WPS	HN	84.2	IAML			21:02	12.81		3 0.38																		
AQ12	HZ	88.8	EP			18:56	22.08			0.08	WLF1	HE	92.3	IAML			21:02	14.64			2 0.56	WPS	HN	84.2	IAML			21:02	12.81		3 0.38																		
AQ12	HN	88.8	IAML			18:56	33.23	4	0.09		IOMK	HZ	122.0	EP			21:02	07.41			0.06	IOMK	HN	122.0	ES			21:02	21.49		-0.15																		
AQ12	HE	88.8	IAML			18:56	34.01	8	0.07		IOMK	HN	122.0	ES			21:02	21.49			-0.15																												
AP12	HZ	93.1	EP			18:56	22.63			0.01																																							
FOEL	HZ	105.0	EP			18:56	24.59			0.14	April 29 2024										Time: 07:10 58.8 UTC										Magnitude: 1.2 ML																		
FOEL	HN	105.0	IAML			18:56	38.62	7	0.60		Lat: 52.375										Lon: -3.671										Depth: 7.5 km																		
FOEL	HE	105.0	IAML			18:56	38.83	4	0.18		Grid Ref: 286.26 kmE										276.57 kmN										RMS: 0.40 secs																		
KESW	HZ	113.0	EP			18:56	25.89			0.14	Locality: LLANGURIG, POWYS																																						
KESW	HN	113.0	IAML			18:56	40.05	4	0.21		Velocity model: Lownet										Xnear: 100.0										Xfar: 200.0																		
KESW	HE	113.0	IAML			18:56	40.13	4	0.20		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES																	
LLW	BZ	128.0	EP			18:56	27.66			-0.30	LPW	HZ	39.8	EP			07:11	05.53			-0.25	LPW	HE	39.8	ES			07:11	10.32		-0.58																		
HLM1	HZ	134.0	EP			18:56	28.77			-0.17	LPW	HE	39.8	IAML			07:11	11.30			6 0.12	LPW	HN	39.8	IAML			07:11	13.10		5 0.22																		
HLM1	HN	134.0	IAML			18:56	45.22	5	0.44		LPW	HE	39.8	IAML			07:11	11.30			6 0.12	LPW	HN	39.8	IAML			07:11	13.10		5 0.22																		
HLM1	HE	134.0	IAML			18:56	45.47	5	0.11		LPW	HN	39.8	IAML			07:11	13.10			5 0.22	LPW	HE	39.8	IAML			07:11	11.30		6 0.12																		
										April 27 2024										Time: 01:42 12.9 UTC										Magnitude: 1.7 ML										HLM1 HZ 56.0 EP 07:11 08.24 -0.13									
Lat: 49.080										Lon: -2.016										Depth: 6.7 km										HLM1 HN 56.0 ES 07:11 14.88 -0.51																			
Grid Ref: 398.83 kmE										-91.11 kmN										RMS: 0.10 secs										HLM1 HN 56.0 IAML 07:11 15.45 120 0.25																			
Locality: JERSEY, CHANNEL ISLANDS																														HLM1 HE 56.0 IAML 07:11 15.48 31 0.21																			
Velocity model: Lownet										Xnear: 100.0										Xfar: 200.0										MCH1 HZ 62.3 EP 07:11 09.45 0.15																			
Comment: FELT JERSEY																														MCH1 HN 62.3 ES 07:11 16.81 -0.19																			
										Intensity: 3																				MCH1 HN 62.3 IAML 07:11 17.27 10 0.14																			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES																	
JSA	HZ	16.5	IP		D	01:42	16.28			0.03	MCH1	HE	62.3	IAML			07:11	17.52			6 0.21	FOEL	HZ	65.5	EP			07:11	09.57		-0.27																		
JSA	HE	16.5	ES			01:42	18.66			-0.05	FOEL	HE	65.5	IAML			07:11	17.48			7 0.27	FOEL	HE	65.5	IAML			07:11	17.48		7 0.27																		
JSA	HN	16.5	IAML			01:42	18.79	200	0.12		FOEL	HN	65.5	IAML			07:11	17.66			6 0.18	FOEL	HN	65.5	IAML			07:11	17.66		6 0.18																		
JSA	HE	16.5	IAML			01:42	19.09	300	0.27		MONM	HZ	84.2	EP			07:11	13.11			0.44	MONM	HZ	84.2	EP			07:11	13.11		0.44																		
BESN	HZ	43.9	IP		C	01:42	20.77			0.17	RSBS	HZ	87.2	EP			07:11	13.69			0.52	RSBS	HZ	87.2																									

TABLE 2 : PHASE DATA

WPS	HE	54.4	ES	18:51	54.25			0.23	SBD	BN	27.9	IAML	03:16	37.97	21	0.15
WPS	HN	54.4	IAML	18:51	54.95	4	0.20		SBD	BE	27.9	IAML	03:16	37.99	20	0.08
WPS	HE	54.4	IAML	18:51	55.23	3	0.16		GEL07	CZ	29.3	IP	D	03:16	34.39	0.38
WLF1	HZ	56.2	EP	18:51	47.39			-0.06	GEL07	CN	29.3	ES		03:16	37.55	-0.53
WLF1	HE	56.2	ES	18:51	54.26			-0.26	GEL07	CN	29.3	IAML		03:16	37.97	21 0.10
WLF1	HN	56.2	IAML	18:51	55.05	2	0.22		GEL07	CE	29.3	IAML		03:16	38.01	22 0.10
WLF1	HE	56.2	IAML	18:51	56.55	2	0.11		GEL02	CZ	29.9	IP	C	03:16	34.46	0.35
AP12	HZ	82.3	EP	18:51	51.25			-0.28	GEL02	CN	29.9	ES		03:16	37.90	-0.36
AP12	HN	82.3	IAML	18:52	00.83	2	0.20		GEL02	CE	29.9	IAML		03:16	38.00	54 0.06
AP12	HE	82.3	IAML	18:52	01.92	3	0.25		GEL02	CN	29.9	IAML		03:16	38.77	52 0.06
IOMK	HZ	86.8	EP	18:51	52.51			0.30	GEL09	CZ	31.2	IP	C	03:16	34.67	0.35
IOMK	HE	86.8	ES	18:52	02.74			-0.02	GEL09	CN	31.2	IAML		03:16	38.47	44 0.13
IOMK	HE	86.8	IAML	18:52	04.68	3	0.27		GEL09	CE	31.2	IAML		03:16	38.73	76 0.06
IOMK	HN	86.8	IAML	18:52	05.11	2	0.25		GEL05	CZ	35.2	IP	C	03:16	35.33	0.32
FOEL	HZ	91.4	EP	18:51	53.11			0.12	GEL05	CN	35.2	ES		03:16	39.40	-0.45
FOEL	HE	91.4	IAML	18:52	06.09	3	0.50		GEL05	CN	35.2	IAML		03:16	39.82	13 0.12
FOEL	HN	91.4	IAML	18:52	06.88	4	0.36		GEL05	CE	35.2	IAML		03:16	39.99	14 0.06
AQ12	HZ	112.0	EP	18:51	56.10			-0.03	CCA1	HZ	35.2	IP	C	03:16	35.33	0.32
AQ12	HE	112.0	IAML	18:52	09.48	5	0.22		CCA1	HN	35.2	ES		03:16	39.33	-0.53
AQ12	HN	112.0	IAML	18:52	11.84	3	0.07		CCA1	HE	35.2	IAML		03:16	39.61	6 0.15
KESW	HZ	115.0	EP	18:51	56.65			0.05	CCA1	HN	35.2	IAML		03:16	39.81	10 0.09
KESW	HN	115.0	IAML	18:52	11.20	4	0.40		DYA	HZ	61.8	EP		03:16	39.97	0.41
KESW	HE	115.0	IAML	18:52	11.83	5	0.28		DYA	HN	61.8	ES		03:16	47.08	-0.83
HLM1	HZ	138.0	EP	18:52	00.36			0.30	DYA	HN	61.8	IAML		03:16	47.69	8 0.21
HLM1	HE	138.0	IAML	18:52	17.89	2	0.34		DYA	HE	61.8	IAML		03:16	50.34	6 0.09
HLM1	HN	138.0	IAML	18:52	18.25	1	0.19		HTL	HZ	77.6	EP		03:16	42.73	0.63
									HTL	HE	77.6	ES		03:16	51.67	-0.73
May 2 2024				Time: 19:48	21.6 UTC			Magnitude: 1.0 ML								
				Lat: 54.867	Lon: -7.718			Depth: 10.9 km								
				Grid Ref: 33.26 kmE	567.46 kmN			RMS: 0.20 secs								
				Locality: DRUMKEEN,CO DONEGAL					RSBS	HE	181.0	IAML		03:17	22.67	1 0.23
				Velocity model: Lownet	Xnear: 100.0	Xfar: 200.0			RSBS	HN	181.0	IAML		03:17	22.86	1 0.20
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES						
IDGL	HZ	26.3	EP			19:48	26.31			-0.26						
IDGL	HN	26.3	ES			19:48	30.34			0.12						
IDGL	HN	26.3	IAML			19:48	30.94	26	0.10							
IDGL	HE	26.3	IAML			19:48	31.17	18	0.22							
CLGH	HZ	106.0	EP			19:48	39.24			0.38						
CLGH	HN	106.0	ES			19:48	51.29			-0.19						
CLGH	HN	106.0	IAML			19:48	53.10	8	0.20							
CLGH	HE	106.0	IAML			19:48	54.63	11	0.20							
ILTH	HZ	129.0	EP			19:48	42.13			-0.07						
ILTH	HN	129.0	IAML			19:48	58.57	2	0.20							
ILTH	HE	129.0	IAML			19:48	59.85	3	0.32							
May 3 2024				Time: 20:34	33.3 UTC			Magnitude: 0.8 ML								
				Lat: 51.572	Lon: -3.436			Depth: 7.6 km								
				Grid Ref: 300.49 kmE	186.93 kmN			RMS: 0.30 secs								
				Locality: TONYREFAIL,RHONDDA CT												
				Velocity model: Lownet	Xnear: 100.0	Xfar: 200.0										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES						
MONM	HZ	52.8	EP			20:34	42.35			-0.01						
MONM	HE	52.8	ES			20:34	49.22			0.25						
MONM	HE	52.8	IAML			20:34	49.30	5	0.16							
MONM	HN	52.8	IAML			20:34	49.55	4	0.12							
MCH1	HZ	56.1	EP			20:34	42.66			-0.22						
MCH1	HN	56.1	ES			20:34	49.62			-0.25						
MCH1	HN	56.1	IAML			20:34	49.79	6	0.18							
MCH1	HE	56.1	IAML			20:34	49.80	8	0.18							
SMD	HN	58.0	ES			20:34	50.16			-0.26						
SMD	HE	58.0	IAML			20:34	50.25	8	0.10							
SMD	HN	58.0	IAML			20:34	50.84	5	0.26							
HEX	HZ	61.8	EP			20:34	43.74			-0.03						
HEX	HE	61.8	ES			20:34	51.11			-0.30						
HEX	HE	61.8	IAML			20:34	51.40	8	0.10							
HEX	HN	61.8	IAML			20:34	51.48	8	0.16							
STRD	HZ	91.0	EP			20:34	48.74			0.45						
HTL	HZ	97.4	EP			20:34	49.59			0.33						
RSBS	HZ	99.8	EP			20:34	49.53			-0.13						
RSBS	HE	99.8	IAML			20:35	01.47	4	0.20							
RSBS	HN	99.8	IAML			20:35	01.89	3	0.10							
HLM1	HZ	112.0	EP			20:34	51.71			0.13						
HLM1	HN	112.0	ES			20:35	04.69			-0.23						
HLM1	HE	112.0	IAML			20:35	07.76	4	0.16							
HLM1	HN	112.0	IAML			20:35	07.98	3	0.11							
DYA	HZ	131.0	EP			20:34	54.71			0.27						
DYA	HE	131.0	IAML			20:35	10.59	3	0.32							
DYA	HN	131.0	IAML			20:35	10.72	3	0.17							
LLW	BZ	143.0	EP			20:34	56.47			0.38						
LLW	BN	143.0	IAML			20:35	13.44	1	0.40							
LLW	BE	143.0	IAML			20:35	13.84	1	0.40							
May 5 2024				Time: 03:16	28.7 UTC			Magnitude: 1.0 ML								
				Lat: 50.322	Lon: -4.781			Depth: 7.9 km								
				Grid Ref: 202.06 kmE	50.66 kmN			RMS: 0.50 secs								
				Locality: ST AUSTELL,CORNWALL												
				Velocity model: Cornwall	Xnear: 100.0	Xfar: 200.0										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES						
GEL03	CZ	27.7	IP		C	03:16	34.16			0.43						
GEL03	CN	27.7	ES			03:16	37.52			-0.07						
GEL03	CE	27.7	IAML			03:16	37.67	65	0.10							
GEL03	CE	27.7	IAML			03:16	38.02	110	0.08							
SBD	BZ	27.9	EP			03:16	34.23			0.45						
SBD	BN	27.9	ES			03:16	37.53			-0.14						
May 15 2024				Time: 02:45	17.9 UTC			Magnitude: 1.9 ML								
				Lat: 53.803	Lon: 1.811			Depth: 15.6 km								
				Grid Ref: 650.91 kmE	440.84 kmN			RMS: 0.10 secs								
				Locality: SOUTHERN NORTH SEA												
				Velocity model: North Sea	Xnear: 300.0	Xfar: 600.0										
				Comment: 100KM NNE CROMER												
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES						
WACR	HZ	144.0	EP			02:45	39.58			-0.16						
WACR	HN	144.0	ES			02:45	55.63			-0.04						
WACR	HE	144.0	IAML			02:46	01.72	14	0.12							
WACR	HN	144.0	IAML			02:46	01.72	12	0.10							
LMK	HN	147.0	ES			02:45	56.35			0.05						
LMK	HE	147.0	IAML			02:45	59.58	43	0.30							
LMK	HN	147.0	IAML			02:46	01.18	49	0.28							
AU08	HZ	166.0	EP			02:45	42.66			0.12						
AU08	HE	166.0	IAML			02:46	06.51	6	0.24							
AU08	HN	166.0	IAML			02:46	06.60	7	0.22							
BEDF	HZ	177.0	EP			02:45	44.07			0.22						
BEDF	HE	177.0	ES			02:46	02.77									

TABLE 2 : PHASE DATA

RSBS	HZ	83.3	IP	D	22:15	37.84			-0.14	DSB	HE	386.0	ES	23:41	04.74		0.63
RSBS	HN	83.3	IAML		22:15	50.19	25	0.10									
RSBS	HE	83.3	IAML		22:15	51.11	20	0.10		May 18 2024				Time: 19:56 30.9 UTC		Magnitude: 0.9 ML	
LPW	HZ	85.1	EP		22:15	38.38			0.17	Lat: 50.227				Lon: -4.782		Depth: 16.6 km	
LPW	HN	85.1	ES		22:15	48.29			-0.18	Grid Ref: 201.60 kmE				40.11 kmN		RMS: 0.20 secs	
SMD	HZ	91.8	EP		22:15	39.55			0.26	Locality: DODMAN POINT,CORNWALL							
SMD	HN	91.8	IAML		22:15	52.10	43	0.16		Velocity model: Cornwall Xnear: 50.0 Xfar: 100.0							
SMD	HE	91.8	IAML		22:15	52.66	34	0.20		Comment: OFFSHORE DODMAN PT							
SBD	BZ	98.5	EP		22:15	40.38			0.05	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS
SBD	BE	98.5	IAML		22:15	52.88	44	0.13		EGL02	CZ	15.5	EP			19:56	34.87
SBD	BN	98.5	IAML		22:15	53.04	39	0.15		EGL02	CE	15.5	IAML			19:56	38.04
MONM	HZ	101.0	EP		22:15	40.59			-0.11	EGL02	CN	15.5	IAML			19:56	38.21
MONM	HN	101.0	IAML		22:15	54.15	21	0.20		EGL03	CZ	17.7	EP			19:56	35.11
MONM	HE	101.0	IAML		22:15	56.43	22	0.22		EGL03	CE	17.7	IAML			19:56	38.14
DYA	HZ	102.0	EP		22:15	40.74			-0.12	EGL03	CN	17.7	IAML			19:56	38.31
DYA	HN	102.0	ES		22:15	52.80			-0.25	EGL04	CZ	17.7	EP			19:56	35.20
DYA	HN	102.0	IAML		22:15	54.30	36	0.16		EGL04	CN	17.7	ES			19:56	38.29
DYA	HE	102.0	IAML		22:15	54.89	31	0.20		EGL04	CN	17.7	IAML			19:56	38.42
MCH1	HZ	102.0	EP		22:15	40.59			-0.20	EGL04	CE	17.7	IAML			19:56	38.43
MCH1	HE	102.0	IAML		22:15	56.16	18	0.14		EGL01	CZ	18.8	EP			19:56	35.34
MCH1	HN	102.0	IAML		22:15	56.34	23	0.14		EGL01	CN	18.8	ES			19:56	38.38
EGL01	CE	118.0	IAML		22:15	58.43	19	0.14		EGL01	CE	18.8	IAML			19:56	38.48
EGL01	CN	118.0	IAML		22:15	59.19	17	0.09		EGL01	CN	18.8	IAML			19:56	38.62
EGL03	CZ	118.0	EP		22:15	42.66			-0.67	EGLS1	EZ	24.9	EP			19:56	36.33
EGL01	CZ	118.0	EP		22:15	43.29			0.03	GEL03	CZ	25.7	EP			19:56	36.22
EGL04	CE	120.0	IAML		22:15	58.69	41	0.09		GEL03	CN	25.7	IAML			19:56	39.82
EGL04	CN	120.0	IAML		22:15	58.91	58	0.12		GEL03	CE	25.7	IAML			19:56	40.55
EGL02	CE	121.0	IAML		22:15	59.22	4	0.09		EGL02	CZ	26.9	EP			19:56	36.31
EGL02	CN	121.0	IAML		22:15	59.89	7	0.10		GEL02	CE	26.9	IAML			19:56	40.73
EGLS2	EZ	128.0	EP		22:15	44.90			0.10	GEL02	CN	26.9	IAML			19:56	40.80
EGLS1	EZ	131.0	EP		22:15	45.20			0.03	GEL07	CZ	27.4	EP			19:56	36.45
STRD	HZ	138.0	EP		22:15	46.60			0.35	GEL07	CE	27.4	IAML			19:56	40.73
STRD	HE	138.0	IAML		22:16	05.37	21	0.23		GEL07	CN	27.4	IAML			19:56	40.80
STRD	HN	138.0	IAML		22:16	05.62	25	0.16		GEL09	CZ	29.8	EP			19:56	36.90
GEL03	CZ	147.0	EP		22:15	47.67			0.17	GEL09	CE	29.8	IAML			19:56	40.88
GEL03	CN	147.0	IAML		22:16	06.86	27	0.07		GEL09	CN	29.8	IAML			19:56	41.37
GEL03	CE	147.0	IAML		22:16	06.97	25	0.12		CCA1	HN	32.1	ES			19:56	41.13
GEL07	CZ	148.0	EP		22:15	47.75			0.09	CCA1	HN	32.1	IAML			19:56	41.26
GEL07	CE	148.0	IAML		22:16	05.60	10	0.29		CCA1	HE	32.1	IAML			19:56	41.83
GEL07	CN	148.0	IAML		22:16	05.91	9	0.29		GEL05	CZ	32.1	EP			19:56	37.14
GEL09	CN	148.0	IAML		22:16	06.07	17	0.08		GEL05	CN	32.1	IAML			19:56	42.02
GEL09	CE	148.0	IAML		22:16	06.66	21	0.13		GEL05	CE	32.1	IAML			19:56	42.38
GEL02	CZ	150.0	EP		22:15	48.02			0.06	CCA1	HZ	32.1	EP			19:56	37.13
GEL02	CE	150.0	IAML		22:16	07.19	21	0.12		SBD	BZ	38.3	EP			19:56	38.16
GEL02	CN	150.0	IAML		22:16	07.33	16	0.10		SBD	BE	38.3	ES			19:56	43.14
HLM1	HZ	152.0	EP		22:15	48.16			-0.17	SBD	BE	38.3	IAML			19:56	43.32
HLM1	HN	152.0	IAML		22:16	07.91	12	0.25		SBD	BN	38.3	IAML			19:56	43.42
HLM1	HE	152.0	IAML		22:16	08.14	19	0.26		DYA	HZ	64.9	EP			19:56	41.65
CCA1	HZ	154.0	EP		22:15	48.45			-0.13	DYA	HN	64.9	ES			19:56	49.80
CCA1	HE	154.0	ES		22:16	05.79			-0.62	DYA	HN	64.9	IAML			19:56	51.78
CCA1	HE	154.0	IAML		22:16	06.80	10	0.20		DYA	HE	64.9	IAML			19:56	51.80
CCA1	HN	154.0	IAML		22:16	07.31	10	0.12									
GEL05	CN	154.0	IAML		22:16	07.31	14	0.10		May 18 2024				Time: 20:01 28.6 UTC		Magnitude: 0.5 ML	
GEL05	CE	154.0	IAML		22:16	07.38	12	0.14		Lat: 50.231				Lon: -4.792		Depth: 16.6 km	
SWN1	HZ	156.0	EP		22:15	49.00			0.15	Grid Ref: 200.90 kmE				40.58 kmN		RMS: 0.30 secs	
LLW	BZ	169.0	EP		22:15	50.43			-0.15	Locality: DODMAN POINT,CORNWALL							
LLW	BN	169.0	IAML		22:16	10.68	9	0.30		Velocity model: Cornwall Xnear: 50.0 Xfar: 100.0							
LLW	BE	169.0	IAML		22:16	11.06	11	0.25		Comment: OFFSHORE DODMAN PT							
WLF1	HN	217.0	IAML		22:16	22.77	4	0.36		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS
WLF1	HE	217.0	IAML		22:16	22.93	8	0.43		EGL02	CZ	15.1	EP			20:01	32.52
WPS	HE	230.0	IAML		22:16	26.57	5	0.54		EGL02	CE	15.1	IAML			20:01	35.72
WPS	HN	230.0	IAML		22:16	27.88	3	0.26		EGL02	CN	15.1	IAML			20:01	35.86
										EGL04	CZ	17.2	EP			20:01	32.95
										EGL04	CN	17.2	IAML			20:01	36.06
										EGL04	CE	17.2	IAML			20:01	36.11
										EGL03	CZ	17.4	EP			20:01	32.77
										EGL03	CE	17.4	IAML			20:01	35.79
										EGL03	CN	17.4	IAML			20:01	35.96
										EGL01	CZ	18.4	EP			20:01	33.00
										EGL01	CN	18.4	ES			20:01	36.01
										EGL01	CE	18.4	IAML			20:01	36.12
										EGL01	CN	18.4	IAML			20:01	36.27
										GEL03	CZ	25.0	EP			20:01	33.86
										GEL03	CE	25.0	IAML			20:01	37.39
										GEL03	CN	25.0	IAML			20:01	38.28
										GEL02	CZ	26.3	EP			20:01	33.97
										GEL02	CN	26.3	IAML			20:01	38.39
										GEL02	CE	26.3	IAML			20:01	38.39
										GEL07	CZ	26.7	EP			20:01	34.13
										GEL09	CE	29.1	IAML			20:01	38.49
										GEL09	CN	29.1	IAML			20:01	39.02
										CCA1	HZ	31.5	EP			20:01	34.80
										CCA1	HN	31.5	ES			20:01	38.78
										CCA1	HE	31.5	IAML			20:01	39.50
										CCA1	HN	31.5	IAML			20:01	39.48
										GEL05	CZ	31.5	EP			20:01	34.71
										GEL05	CE	31.5	IAML			20:01	39.46
										GEL05	CN	31.5	IAML			20:01	39.66
										SBD	BZ	37.9	EP			20:01	35.82
										SBD	BE	37.9	ES			20:01	40.69
										SBD	BE	37.9	IAML			20:01	40.97
										SBD	BN	37.9	IAML			20:01	41.05
										DYA	HZ	65.4	EP			20:01	39.58
										DYA	HN	65.4	ES			20:01	47.43

TABLE 2 : PHASE DATA

DYA HN 65.4 IAML 20:01 49.42 2 0.22
 DYA HE 65.4 IAML 20:01 49.44 2 0.14
 HTL HN 87.6 ES 20:01 55.21 1.54
 HTL HE 87.6 IAML 20:01 56.18 3 0.18
 HTL HN 87.6 IAML 20:01 56.28 2 0.23

LINV HE 173.0 IAML 05:35 32.59 3 0.28
 LINV HN 173.0 IAML 05:35 34.74 2 0.14
 DRUM HN 196.0 IAML 05:35 41.79 6 0.38
 DRUM HE 196.0 IAML 05:35 42.22 3 0.10

May 18 2024 Time: 20:04 19.8 UTC Magnitude: 0.6 ML
 Lat: 50.227 Lon: -4.782 Depth: 16.3 km
 Grid Ref: 201.60 kmE 40.11 kmN RMS: 0.20 secs
 Locality: DODMAN POINT, CORNWALL
 Velocity model: Cornwall Xnear: 50.0 Xfar: 100.0
 Comment: OFFSHORE DODMAN PT

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
EGLO2	CZ	15.5	EP			20:04	23.82			0.14
EGLO2	CN	15.5	ES			20:04	26.45			-0.21
EGLO2	CE	15.5	IAML			20:04	26.94	3	0.06	
EGLO2	CN	15.5	IAML			20:04	27.12	4	0.06	
EGLO4	CZ	17.6	EP			20:04	24.16			0.21
EGLO4	CN	17.6	IAML			20:04	27.32	26	0.10	
EGLO4	CE	17.6	IAML			20:04	27.34	38	0.10	
EGLO3	CZ	17.6	EP			20:04	24.06			0.12
EGLO3	CE	17.6	IAML			20:04	27.05	38	0.07	
EGLO3	CN	17.6	IAML			20:04	27.22	28	0.05	
EGLO1	CZ	18.7	EP			20:04	24.25			0.17
EGLO1	CE	18.7	ES			20:04	27.29			-0.08
EGLO1	CE	18.7	IAML			20:04	27.38	32	0.10	
EGLO1	CN	18.7	IAML			20:04	27.53	18	0.06	
GEL03	CZ	25.7	EP			20:04	25.06			0.05
GEL03	CN	25.7	IAML			20:04	28.76	19	0.07	
GEL03	CE	25.7	IAML			20:04	29.45	19	0.10	
GEL02	CZ	26.9	EP			20:04	25.24			0.05
GEL02	CE	26.9	IAML			20:04	29.65	12	0.10	
GEL02	CN	26.9	IAML			20:04	29.65	10	0.10	
GEL07	CZ	27.4	EP			20:04	25.37			0.11
GEL09	CZ	29.8	EP			20:04	25.77			0.16
GEL09	CE	29.8	IAML			20:04	29.79	10	0.06	
GEL09	CN	29.8	IAML			20:04	30.27	10	0.08	
CCA1	HZ	32.1	EP			20:04	26.05			0.10
GEL05	CZ	32.1	EP			20:04	25.99			0.05
GEL05	CE	32.1	IAML			20:04	30.73	5	0.06	
GEL05	CN	32.1	IAML			20:04	30.93	5	0.08	
CCA1	HN	32.1	ES			20:04	30.07			-0.59
CCA1	HN	32.1	IAML			20:04	30.16	3	0.13	
CCA1	HE	32.1	IAML			20:04	30.73	4	0.10	
SBD	BZ	38.2	EP			20:04	27.02			0.19
SBD	BN	38.2	ES			20:04	32.08			-0.15
SBD	BE	38.2	IAML			20:04	32.22	11	0.10	
SBD	BN	38.2	IAML			20:04	32.32	6	0.10	
DYA	HZ	64.9	EP			20:04	30.57			-0.12
DYA	HE	64.9	ES			20:04	38.51			-0.56
DYA	HE	64.9	IAML			20:04	39.06	2	0.18	
DYA	HN	64.9	IAML			20:04	40.68	4	0.22	

May 20 2024 Time: 00:41 21.4 UTC Magnitude: 0.2 ML
 Lat: 52.833 Lon: -5.557 Depth: 7.0 km
 Grid Ref: 160.43 kmE 332.13 kmN RMS: 0.30 secs
 Locality: IRISH SEA
 Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
 Comment: 36KM ESE WICKLOW

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
DSB	HZ	71.6	EP			00:41	33.60			0.19
DSB	HN	71.6	ES			00:41	41.83			-0.33
DSB	HN	71.6	IAML			00:41	42.73	1	0.38	
DSB	HE	71.6	IAML			00:41	42.90	1	0.33	
WLF1	HN	92.9	ES			00:41	47.78			-0.11
RSBS	HE	112.0	ES			00:41	53.21			0.01
ILTH	HE	143.0	ES			00:42	01.59			0.73
ILTH	HN	143.0	IAML			00:42	02.34	1	0.38	
ILTH	HE	143.0	IAML			00:42	02.70	1	0.18	

May 20 2024 Time: 05:34 44.5 UTC Magnitude: 1.3 ML
 Lat: 56.617 Lon: -5.649 Depth: 8.1 km
 Grid Ref: 176.14 kmE 753.18 kmN RMS: 0.10 secs
 Locality: MORVERN, HIGHLAND
 Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
 Comment: FELT KINGAIRLOCH

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAW	HZ	42.6	EP			05:34	52.27			0.20
LAW	HN	42.6	ES			05:34	57.41			-0.17
LAW	HE	42.6	IAML			05:34	57.67	20	0.10	
LAW	HN	42.6	IAML			05:34	57.82	17	0.14	
KPL	HZ	80.4	EP			05:34	57.84			-0.03
KPL	HN	80.4	IAML			05:35	10.17	7	0.22	
KPL	HE	80.4	IAML			05:35	10.49	10	0.18	
EAB	HZ	93.9	EP			05:35	00.03			0.03
EAB	HE	93.9	IAML			05:35	13.59	14	0.10	
EAB	HN	93.9	IAML			05:35	13.71	13	0.14	
INVG	HZ	101.0	EP			05:35	01.01			-0.00
INVG	HE	101.0	IAML			05:35	14.47	10	0.11	
INVG	HN	101.0	IAML			05:35	14.87	10	0.13	
PITL	HZ	128.0	EP			05:35	04.85			0.01
PITL	HE	128.0	IAML			05:35	20.75	10	0.10	
PITL	HN	128.0	IAML			05:35	21.10	8	0.09	
LINV	HZ	173.0	EP			05:35	10.46			-0.45

May 20 2024 Time: 07:43 16.8 UTC Magnitude: 1.5 ML
 Lat: 52.579 Lon: -2.828 Depth: 9.6 km
 Grid Ref: 343.90 kmE 298.27 kmN RMS: 0.20 secs
 Locality: CHURCH STRETTON, SALOP
 Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
HLM1	HZ	7.7	IP		C	07:43	19.24			0.04
HLM1	HN	7.7	ES			07:43	20.98			0.04
HLM1	HE	7.7	IAML			07:43	21.38	165	0.10	
HLM1	HE	7.7	IAML			07:43	21.54	234	0.20	
LLW	BZ	64.0	EP			07:43	27.51			-0.12
MCH1	HZ	65.8	EP			07:43	27.66			-0.25
MCH1	HN	65.8	ES			07:43	35.71			-0.29
MCH1	HN	65.8	IAML			07:43	36.09	48	0.18	
MCH1	HE	65.8	IAML			07:43	36.16	39	0.24	
MONM	HZ	82.4	EP			07:43	30.54			0.08
MONM	HN	82.4	ES			07:43	40.65			0.23
MONM	HE	82.4	IAML			07:43	41.45	20	0.16	
MONM	HN	82.4	IAML			07:43	41.46	15	0.22	
LPW	HZ	99.1	EP			07:43	33.15			0.11
WPS	HE	145.0	IAML			07:43	57.92	7	0.38	
WPS	HN	145.0	IAML			07:43	58.97	6	0.14	
RSBS	HZ	148.0	EP			07:43	40.82			0.55
RSBS	HE	148.0	IAML			07:44	01.60	10	0.05	
RSBS	HN	148.0	IAML			07:44	02.16	8	0.12	

May 21 2024 Time: 01:34 28.2 UTC Magnitude: 0.1 ML
 Lat: 50.594 Lon: -4.506 Depth: 14.7 km
 Grid Ref: 222.65 kmE 80.20 kmN RMS: 0.20 secs
 Locality: ALTARNUN, CORNWALL
 Velocity model: Cornwall Xnear: 50.0 Xfar: 100.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
SBD	BZ	13.1	EP			01:34	31.74			0.12
SBD	BN	13.1	ES			01:34	34.29			0.01
SBD	BE	13.1	IAML			01:34	34.39	6	0.10	
SBD	BN	13.1	IAML			01:34	34.42	5	0.11	
EGLO3	CZ	27.9	EP			01:34	33.75			0.09
EGLO3	CN	27.9	IAML			01:34	37.74	9	0.12	
EGLO3	CE	27.9	IAML			01:34	37.80	7	0.13	
EGLO1	CZ	28.1	EP			01:34	33.73			0.04
EGLO1	CN	28.1	ES			01:34	37.57			-0.38
EGLO1	CE	28.1	IAML			01:34	37.69	2	0.10	
EGLO1	CN	28.1	IAML			01:34	37.93	1	0.07	
EGLO4	CZ	30.7	EP			01:34	34.15			0.05
EGLO2	CZ	30.8	EP			01:34	34.13			0.02
DYA	HZ	44.4	EP			01:34	36.37			0.26
DYA	HN	44.4	ES			01:34	41.98			-0.24
DYA	HE	44.4	IAML			01:34	42.18	1	0.10	
DYA	HN	44.4	IAML			01:34	42.39	1	0.07	
HTL	HZ	44.6	EP			01:34	36.16			0.05
HTL	HN	44.6	ES			01:34	41.97			-0.26
GEL09	CZ	63.0	EP			01:34	38.87			0.09
GEL09	CN	63.0	IAML			01:34	46.25	2	0.09	
GEL09	CE	63.0	IAML			01:34	46.33	1	0.08	
GEL02	CZ	63.5	EP			01:34	38.94			0.09
GEL02	CE	63.5	IAML			01:34	47.87	2	0.14	
GEL02	CN	63.5	IAML			01:34	48.20	1	0.18	
CCA1	HZ	68.4	EP			01:34	39.73			0.15
CCA1	HE	68.4	IAML			01:34	48.83	0	0.24	
CCA1	HN	68.4	IAML			01:34	48.88	0	0.07	
HEX	HZ	72.2	EP			01:34	40.44			0.30

May 21 2024 Time: 04:03 47.2 UTC Magnitude: 0.6 ML
 Lat: 57.633 Lon: -5.640 Depth: 3.7 km
 Grid Ref: 182.73 kmE 866.14 kmN RMS: 0.50 secs
 Locality: DIABAIG, HIGHLAND
 Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
 Comment: 6KM NNE DIABAIG

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	32.7	EP			04:03	53.53			0.27
KPL	HE	32.7	ES			04:03	57.20			-0.45
KPL	HE	32.7	IAML			04:03	57.64	3	0.18	
KPL	HN	32.7	IAML			04:03	57.65	3	0.12	
LINV	HZ	63.0	EP			04:03	58.35			0.24
LINV	HN	63.0	ES			04:04	05.55			-0.50
LINV	HE	63.0	IAML			04:04	05.80	2	0.18	
LINV	HN	63.0	IAML			04:04	06.54	1	0.10	
BIGH	HZ	140.0	EP			04:04	10.78			0.84
BIGH	HN	140.0	IAML			04:04	29.33	3	0.52	
BIGH	HE	140.0	IAML			04:04	29.70	2	0.23	
PITL	HZ	153.0	EP			04:04	12.01			0.14
PITL	HE	153.0	IAML			04:04	31.12	1	0.15	
PITL	HN	153.0	IAML			04:04	3			

TABLE 2 : PHASE DATA

May 21 2024		Time: 21:26 30.1 UTC		Magnitude: 1.0 ML		ESY HZ 63.7 EP 23:14 00.12		-0.01		
Lat: 53.516 Lon: -3.755		Depth: 4.7 km		EKA BZ 82.2 EP 23:14 03.13		0.13				
Grid Ref: 283.65 kmE 403.61 kmN		RMS: 0.20 secs		ESK HZ 83.0 EP 23:14 03.32		0.21				
Locality: IRISH SEA				ESK HN 83.0 ES 23:14 12.70		-0.47				
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0				ESK HE 83.0 IAML 23:14 13.89		2 0.22				
Comment: 22KM NNE LLANDUDNO				ESK HN 83.0 IAML 23:14 14.21		1 0.19				
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WLF1	HZ	49.6	EP			21:26	38.76			-0.08
WLF1	HN	49.6	ES			21:26	45.15			-0.07
WLF1	HE	49.6	IAML			21:26	45.31			
WLF1	HN	49.6	IAML			21:26	45.49	9	0.16	0.24
WPS	HZ	51.0	EP			21:26	38.99			-0.07
WPS	HN	51.0	IAML			21:26	47.20	8	0.14	
WPS	HE	51.0	IAML			21:26	47.25	6	0.13	
LLW	BZ	74.5	EP			21:26	42.73			0.01
LLW	BE	74.5	IAML			21:26	57.44	2	0.35	
LLW	BN	74.5	IAML			21:26	57.60	2	0.40	
AP12	HZ	94.0	EP			21:26	45.69			-0.06
AP12	HN	94.0	IAML			21:26	58.53	6	0.20	
AP12	HE	94.0	IAML			21:26	58.71	5	0.16	
IOMK	HZ	98.5	EP			21:26	46.64			0.19
IOMK	HN	98.5	ES			21:26	58.52			0.14
IOMK	HN	98.5	IAML			21:26	59.03	4	0.30	
IOMK	HE	98.5	IAML			21:27	00.51	4	0.09	
AR07	HZ	101.0	EP			21:26	46.61			-0.20
AR07	HE	101.0	IAML			21:27	00.89	11	0.32	
AR07	HN	101.0	IAML			21:27	01.84	10	0.16	
HLM1	HZ	126.0	EP			21:26	51.06			0.36
HLM1	HN	126.0	IAML			21:27	09.60	4	0.32	
HLM1	HE	126.0	IAML			21:27	09.61	4	0.26	
AR05	HZ	126.0	EP			21:26	51.10			0.36
AR05	HE	126.0	IAML			21:27	09.17	7	0.42	
AR05	HN	126.0	IAML			21:27	10.99	6	0.60	
KESW	HZ	127.0	EP			21:26	50.62			-0.22
KESW	HE	127.0	IAML			21:27	06.78	8	0.22	
KESW	HN	127.0	IAML			21:27	08.72	8	0.28	
CTON	HZ	145.0	EP			21:26	53.23			-0.26
CTON	HE	145.0	IAML			21:27	14.17	4	0.30	
CTON	HN	145.0	IAML			21:27	14.27	5	0.38	
GALL	HZ	163.0	EP			21:26	55.74			-0.24
GALL	HE	163.0	IAML			21:27	18.13	2	0.24	
GALL	HN	163.0	IAML			21:27	21.07	2	0.34	
ILTH	HN	179.0	IAML			21:27	19.98	3	0.38	
ILTH	HE	179.0	IAML			21:27	21.78	2	0.28	
NEWG	HZ	181.0	EP			21:26	57.77			-0.62
NEWG	HN	181.0	IAML			21:27	21.96	1	0.40	
NEWG	HE	181.0	IAML			21:27	22.66	2	0.26	
CWF	HN	185.0	IAML			21:27	22.34	3	0.32	
CWF	HE	185.0	IAML			21:27	24.93	2	0.24	
RSBS	HN	186.0	IAML			21:27	23.84	3	0.42	
RSBS	HE	186.0	IAML			21:27	24.58	2	0.27	

TABLE 2 : PHASE DATA

MCH1	HN	37.9	ES	19:29	07.08			-0.22	WLF1	HN	163.0	IAML	18:02	58.33	2	0.14					
MCH1	HE	37.9	IAML	19:29	07.16	18	0.16		HLM1	HZ	169.0	EP	18:02	38.74			-0.19				
MCH1	HN	37.9	IAML	19:29	07.20	13	0.20		HLM1	HE	169.0	IAML	18:03	00.53	2	0.16					
HLM1	HZ	42.5	EP	19:29	03.24			0.12	HLM1	HN	169.0	IAML	18:03	02.33	2	0.18					
HLM1	HE	42.5	ES	19:29	08.40			-0.21	WPS	HE	173.0	IAML	18:03	00.01	2	0.32					
HLM1	HE	42.5	IAML	19:29	09.02	11	0.20		WPS	HN	173.0	IAML	18:03	01.04	2	0.17					
HLM1	HN	42.5	IAML	19:29	11.66	8	0.26														
MONM	HZ	43.3	EP	19:29	03.30			0.10	June 2 2024 Time: 22:38 20.0 UTC Magnitude: 1.5 ML												
MONM	HN	43.3	ES	19:29	08.73			-0.01	Lat: 49.645 Lon: -4.488 Depth: 8.9 km												
MONM	HE	43.3	IAML	19:29	09.02	59	0.26		Grid Ref: 220.41 kmE -25.33 kmN RMS: 0.20 secs												
MONM	HN	43.3	IAML	19:29	09.04	33	0.26		Locality: ENGLISH CHANNEL												
STRD	HZ	53.7	EP	19:29	04.73			-0.09	Velocity model: Lownet Xnear: 75.0 Xfar: 150.0												
STRD	HN	53.7	IAML	19:29	12.42	21	0.16		Comment: 70KM SSE FALMOUTH												
STRD	HE	53.7	IAML	19:29	12.63	14	0.11		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES		
LPW	HZ	104.0	EP	19:29	13.02			0.36	GEL02	CZ	78.5	EP	22:38		33.04				-0.04		
LPW	HN	104.0	ES	19:29	25.06			-0.04	GEL02	CN	78.5	IAML	22:38		44.57	34	0.12				
LPW	HN	104.0	IAML	19:29	25.58	3	0.22		GEL02	CE	78.5	IAML	22:38		44.72	62	0.10				
LPW	HE	104.0	IAML	19:29	26.21	3	0.10		EGLS2	EZ	78.8	EP	22:38		33.03			-0.09			
RSBS	HZ	153.0	EP	19:29	20.06			0.24	GEL03	CZ	80.3	EP	22:38		33.38				0.03		
RSBS	HE	153.0	IAML	19:29	39.24	8	0.18		GEL03	CN	80.3	IAML	22:38		45.50	30	0.12				
RSBS	HN	153.0	IAML	19:29	39.36	7	0.12		GEL03	CE	80.3	IAML	22:38		45.62	20	0.10				
HEX	HE	153.0	IAML	19:29	39.10	8	0.40		CCA1	HZ	80.4	EP	22:38		33.57				0.19		
HEX	HN	153.0	IAML	19:29	39.94	10	0.42		CCA1	HN	80.4	ES	22:38		42.74				-0.39		
									CCA1	HE	80.4	IAML	22:38		45.46	12	0.10				
May 31 2024 Time: 06:52 10.6 UTC Magnitude: 1.3 ML									CCA1	HN	80.4	IAML	22:38		45.22	12	0.06				
Lat: 56.176 Lon: -3.886 Depth: 7.6 km									GEL05	CZ	80.4	EP	22:38		33.46				0.07		
Grid Ref: 282.93 kmE 699.74 kmN RMS: 0.40 secs									GEL05	CE	80.4	IAML	22:38		45.50	15	0.07				
Locality: BLAIRLOGIE, STIRLING									GEL05	CN	80.4	IAML	22:38		45.58	16	0.16				
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0									GEL07	CZ	81.2	EP	22:38		33.90				0.41		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	GEL07	CE	81.2	IAML	22:38		45.31	9	0.10		
EAB	HZ	28.1	IP		C	06:52	15.79			-0.01	GEL07	CN	81.2	IAML	22:38		45.78	10	0.16		
EAB	HN	28.1	ES			06:52	19.45			-0.18	EGL02	CE	82.3	IAML	22:38		45.33	7	0.09		
EAB	HN	28.1	IAML			06:52	19.73	39	0.26		EGL02	CN	82.3	IAML	22:38		46.19	4	0.12		
EAB	HE	28.1	IAML			06:52	20.35	24	0.34		EGL03	CZ	83.1	EP	22:38		33.65		-0.14		
INVG	HZ	29.7	IP		D	06:52	16.20			0.16	EGL03	CE	83.1	IAML	22:38		45.81	95	0.22		
INVG	HE	29.7	ES			06:52	20.02			-0.03	EGL03	CN	83.1	IAML	22:38		46.25	49	0.12		
INVG	HE	29.7	IAML			06:52	20.36	11	0.15		GEL09	CZ	83.8	EP	22:38		33.94		0.04		
INVG	HN	29.7	IAML			06:52	21.14	12	0.31		GEL09	CE	83.8	IAML	22:38		45.86	26	0.10		
EDI	HN	51.8	ES			06:52	25.49			-0.45	GEL09	CN	83.8	IAML	22:38		46.06	22	0.06		
EDI	HE	51.8	IAML			06:52	25.75	36	0.12		EGL04	CZ	85.2	EP	22:38		34.07		-0.06		
EDI	HN	51.8	IAML			06:52	25.83	26	0.22		EGL04	CN	85.2	IAML	22:38		46.77	60	0.16		
PGB1	HZ	55.1	EP			06:52	19.86			-0.11	EGL04	CE	85.2	IAML	22:38		47.12	47	0.13		
PGB1	HN	55.1	ES			06:52	26.70			-0.15	EGL01	CZ	85.5	EP	22:38		34.02		-0.15		
PGB1	HE	55.1	IAML			06:52	26.80	24	0.13		EGL01	CN	85.5	IAML	22:38		46.06	11	0.10		
PGB1	HN	55.1	IAML			06:52	26.87	54	0.34		EGL01	CE	85.5	IAML	22:38		47.22	7	0.11		
PITL	HZ	73.8	EP			06:52	23.34			0.43	DYA	HZ	96.6	EP	22:38		35.60		-0.31		
PITL	HE	73.8	ES			06:52	31.45			-0.49	DYA	HN	96.6	ES	22:38		47.53		0.04		
PITL	HE	73.8	IAML			06:52	32.25	14	0.11		DYA	HN	96.6	IAML	22:38		48.54	20	0.30		
PITL	HN	73.8	IAML			06:52	32.32	14	0.02		DYA	HE	96.6	IAML	22:38		48.97	10	0.11		
ESY	HZ	84.3	EP			06:52	24.73			0.21	SBD	BZ	103.0	EP	22:38		37.04		0.09		
LAWE	HZ	94.3	EP			06:52	26.47			0.43	SBD	BE	103.0	ES	22:38		49.81		0.51		
LAWE	HN	94.3	ES			06:52	37.07			-0.28	SBD	BE	103.0	IAML	22:38		50.18	29	0.14		
LAWE	HE	94.3	IAML			06:52	40.78	7	0.14		SBD	BN	103.0	IAML	22:38		50.86	31	0.08		
LAWE	HN	94.3	IAML			06:52	42.27	7	0.18		HEX	HZ	165.0	EP	22:38		46.62		0.65		
ESK	HZ	105.0	EP			06:52	27.99			0.30	HEX	HE	165.0	IAML	22:39		08.50	8	0.44		
ESK	HE	105.0	IAML			06:52	42.34	4	0.19		HEX	HN	165.0	IAML	22:39		11.44	4	0.17		
ESK	HN	105.0	IAML			06:52	43.36	6	0.18		JSA	HZ	176.0	EP	22:38		47.43		0.25		
DRUM	HZ	119.0	EP			06:52	29.35			-0.51	JSA	HE	176.0	IAML	22:39		09.00	4	0.20		
DRUM	HN	119.0	IAML			06:52	46.61	11	0.15		JSA	HN	176.0	IAML	22:39		10.52	3	0.21		
DRUM	HE	119.0	IAML			06:52	47.06	14	0.20												
TARL	HZ	126.0	EP			06:52	31.60			0.64	June 4 2024 Time: 21:37 52.2 UTC Magnitude: 1.4 ML										
TARL	HE	126.0	IAML			06:52	49.06	14	0.10		Lat: 49.463 Lon: -4.398 Depth: 7.0 km										
TARL	HN	126.0	IAML			06:52	49.89	17	0.12		Grid Ref: 226.26 kmE -45.77 kmN RMS: 0.30 secs										
GAL1	HZ	155.0	EP			06:52	35.73			0.70	Locality: ENGLISH CHANNEL										
GAL1	HE	155.0	IAML			06:52	53.70	13	0.40		Velocity model: Lownet Xnear: 75.0 Xfar: 150.0										
GAL1	HN	155.0	IAML			06:52	53.87	6	0.42		Comment: 90KM SSE FALMOUTH										
KPL	HZ	169.0	EP			06:52	37.48			0.53	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HN	169.0	IAML			06:52	59.42	4	0.56		GEL02	CZ	98.8	EP	21:38		08.32			-0.13	
KPL	HE	169.0	IAML			06:52	59.70	4	0.24		GEL02	CN	98.8	IAML	21:38		21.36	14	0.09		
											GEL02	CE	98.8	IAML	21:38		22.88	18	0.09		
June 2 2024 Time: 18:02 12.1 UTC Magnitude: 1.0 ML											GEL05	CZ	100.0	EP	21:38		08.52			-0.18	
Lat: 51.892 Lon: -5.128 Depth: 4.0 km											GEL05	CE	100.0	IAML	21:38		21.71	12	0.17		
Grid Ref: 184.79 kmE 226.17 kmN RMS: 0.10 secs											GEL05	CN	100.0	IAML	21:38		25.45	12	0.19		
Locality: LLANDELOY, PEMBS											CCA1	HZ	100.0	EP	21:38		08.55			-0.15	
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0											CCA1	HN	100.0	ES	21:38		20.85				0.14
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	CCA1	HE	100.0	IAML	21:38		21.71	9	0.18		
RSBS	HZ	27.2	IP		C	18:02	17.23			0.01	CCA1	HN	100.0	IAML	21:38		25.47	12	0.20		
RSBS	HN	27.2	IAML			18:02	20.93	15	0.16		EGLS2	EZ	100.0	EP	21:38		08.64			-0.01	
RSBS	HN	27.2	ES			18:02	20.94			-0.02	GEL03	CZ	101.0	EP	21:38		08.78			0.03	
RSBS	HE	27.2	IAML			18:02	21.45	19	0.16		GEL03	CE	101.0	IAML	21:38		21.67	35	0.22		
LPW	HZ	76.8	EP			18:02	25.11			0.02	GEL03	CN	101.0	IAML	21:38		21.78	19	0.09		
HTL	HE	109.0	ES			18:02	43.31			-0.01	GEL07	CZ	102.0	EP	21:38		08.83			-0.05	
HTL	HE	109.0	IAML			18:02	43.62	2	0.31		GEL07	CN	102.0	IAML	21:38		21.92	7	0.25		
HTL	HN	109.0	IAML			18:02	43.93	6	0.42		GEL07	CE	102.0	IAML	21:38		26.00	11	0.29		
HEX	HZ	130.0	EP			18:02	33.36			-0.01	EGL02	CZ	103.0	EP	21:38		09.37			0.18	
HEX	HE	130.0	IAML			18:02	48.99	3	0.26		EGL02	CE	103.0	IAML	21:38		22.93	3	0.10		
HEX	HN	130.0	IAML			18:02	49.30	3	0.20		EGL02	CN	103.0	IAML	21:38		23.14	2	0.14		

TABLE 2 : PHASE DATA

EGLO1	CE	107.0	IAML	21:38	24.89	4	0.09			HLM1	HE	56.9	IAML	23:49	37.50	4	0.11														
DYA	HZ	113.0	EP	21:38	11.26			0.53		HLM1	HN	56.9	IAML	23:49	37.52	15	0.24														
DYA	HE	113.0	ES	21:38	23.69			-0.54		MCH1	HZ	63.2	EP	23:49	31.61		0.12														
DYA	HE	113.0	IAML	21:38	23.82	13	0.22			MCH1	HN	63.2	ES	23:49	39.22		-0.07														
DYA	HN	113.0	IAML	21:38	26.15	18	0.22			MCH1	HN	63.2	IAML	23:49	39.53	3	0.28														
SBD	BZ	124.0	EP	21:38	12.99			0.55		MCH1	HE	63.2	IAML	23:49	39.67	3	0.12														
SBD	BN	124.0	ES	21:38	27.64			0.45		MONM	HZ	85.0	EP	23:49	35.26		0.41														
SBD	BN	124.0	IAML	21:38	31.69	10	0.15			RSBS	HZ	86.5	EP	23:49	35.29		0.18														
SBD	BE	124.0	IAML	21:38	31.74	22	0.18			RSBS	HN	86.5	IAML	23:49	48.19	2	0.08														
JSA	HN	165.0	IAML	21:38	43.50	3	0.25			RSBS	HE	86.5	IAML	23:49	50.90	1	0.06														
JSA	HE	165.0	IAML	21:38	47.38	6	0.22			WLF1	HZ	112.0	EP	23:49	39.26		0.21														
HEX	HN	183.0	IAML	21:38	45.73	4	0.36																								
HEX	HE	183.0	IAML	21:38	46.29	8	0.26																								
June 7 2024										June 11 2024																					
Time: 01:17 14.7 UTC				Magnitude: 0.7 ML						Time: 10:31 26.4 UTC				Magnitude: 1.2 ML																	
Lat: 54.377				Lon: -2.683						Lat: 54.517				Lon: -2.399																	
Grid Ref: 355.64 kmE				498.18 kmN						Grid Ref: 374.17 kmE				513.61 kmN																	
Locality: KENDAL,CUMBRIA				RMS: 0.30 secs						Locality: WARCOP,CUMBRIA				RMS: 0.30 secs																	
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										Velocity model: Lownet Xnear: 100.0 Xfar: 200.0																					
Comment: 5KM NE KENDAL										Comment: 5KM NE KENDAL																					
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES										
AQ12	HZ	8.1	IP		D	01:17	16.72			0.14	AQ12	HZ	24.5	EP			10:31	31.08			-0.09										
AQ12	HN	8.1	ES			01:17	17.81			-0.17	AQ12	HN	24.5	ES			10:31	34.24			-0.38										
AQ12	HN	8.1	IAML			01:17	18.12	147	0.07		AQ12	HE	24.5	IAML			10:31	34.63	50	0.06											
AQ12	HE	8.1	IAML			01:17	18.14	149	0.07		AQ12	HN	24.5	IAML			10:31	34.65	48	0.05											
AR09	HZ	23.0	IP		D	01:17	19.27			0.15	WINS	HN	36.9	ES			10:31	37.96			0.11										
AR09	HN	23.0	ES			01:17	22.26			-0.12	WINS	HN	36.9	ES			10:31	37.96			0.11										
AR09	HE	23.0	IAML			01:17	22.58	27	0.07		WINS	HN	36.9	IAML			10:31	38.72	69	0.16											
AR09	HN	23.0	IAML			01:17	22.85	26	0.09		WINS	HE	36.9	IAML			10:31	38.88	75	0.14											
KESW	HZ	36.1	EP			01:17	21.35			0.04	CTON	HZ	41.9	IP		D	10:31	33.76			-0.10										
KESW	HN	36.1	IAML			01:17	26.18	4	0.25		CTON	HN	41.9	ES			10:31	38.73			-0.55										
KESW	HE	36.1	IAML			01:17	26.34	5	0.27		CTON	HN	41.9	IAML			10:31	38.88	29	0.18											
AP12	HZ	38.7	EP			01:17	21.78			0.05	CTON	HE	41.9	IAML			10:31	39.09	24	0.10											
AP12	HN	38.7	ES			01:17	26.50			-0.39	EDMD	HZ	44.9	IP		C	10:31	34.13			-0.11										
AP12	HN	38.7	IAML			01:17	27.69	5	0.27		EDMD	HN	44.9	ES			10:31	39.46			-0.48										
AP12	HE	38.7	IAML			01:17	28.57	4	0.24		EDMD	HE	44.9	IAML			10:31	39.60	50	0.11											
AR07	HZ	44.8	EP			01:17	23.03			0.26	EDMD	HN	44.9	IAML			10:31	39.76	48	0.10											
AR07	HN	44.8	ES			01:17	28.84			0.16	KESW	HZ	46.4	IP		D	10:31	34.68			0.16										
AR07	HE	44.8	IAML			01:17	29.31	8	0.20		KESW	HE	46.4	ES			10:31	40.23			-0.20										
AR07	HN	44.8	IAML			01:17	29.78	10	0.32		KESW	HN	46.4	IAML			10:31	40.34	17	0.20											
CTON	HZ	50.3	EP			01:17	23.30			-0.38	KESW	HE	46.4	IAML			10:31	40.54	30	0.24											
CTON	HE	50.3	IAML			01:17	29.03	6	0.12		AR07	HZ	58.1	EP			10:31	36.86			0.52										
CTON	HN	50.3	IAML			01:17	29.19	11	0.34		AR07	HN	58.1	ES			10:31	43.56			0.00										
WINS	HN	58.5	IAML			01:17	32.87	8	0.20		AR07	HE	58.1	IAML			10:31	43.99	36	0.26											
WINS	HE	58.5	IAML			01:17	35.16	7	0.30		AR07	HN	58.1	IAML			10:31	45.11	31	0.17											
EDMD	HZ	68.7	EP			01:17	26.02			-0.43	AP12	HZ	60.9	EP			10:31	36.67			-0.09										
EDMD	HE	68.7	IAML			01:17	34.15	3	0.31		AP12	HE	60.9	IAML			10:31	36.80	15	0.18											
EDMD	HN	68.7	IAML			01:17	34.46	4	0.29		AP12	HN	60.9	IAML			10:31	44.68	7	0.14											
ESK	HZ	110.0	EP			01:17	33.63			0.75	AT10	HZ	81.0	EP			10:31	40.38			0.48										
ESK	HN	110.0	ES			01:17	46.26			0.09	ESK	HZ	103.0	EP			10:31	43.78			0.49										
ESK	HE	110.0	IAML			01:17	47.24	1	0.26		ESK	HN	103.0	IAML			10:31	56.53	4	0.12											
ESK	HN	110.0	IAML			01:17	47.72	2	0.15		ESK	HE	103.0	IAML			10:31	57.19	3	0.12											
											LBWR	HZ	132.0	EP			10:31	47.98			0.35										
											LBWR	HN	132.0	IAML			10:32	05.71	7	0.17											
											LBWR	HE	132.0	IAML			10:32	06.17	6	0.18											
											NEWG	HZ	135.0	EP			10:31	48.34			0.24										
											NEWG	HE	135.0	IAML			10:32	05.09	3	0.28											
											NEWG	HN	135.0	IAML			10:32	05.10	3	0.18											
June 7 2024										June 13 2024																					
Time: 10:51 04.0 UTC				Magnitude: 1.2 ML						Time: 01:44 36.1 UTC				Magnitude: 0.6 ML																	
Lat: 55.825				Lon: -5.752						Lat: 57.552				Lon: -5.175																	
Grid Ref: 165.02 kmE				665.45 kmN						Grid Ref: 210.05 kmE				855.74 kmN																	
Locality: SOUND OF JURA				RMS: 0.20 secs						Locality: ACHNASHEEN,HIGHLAND				RMS: 0.20 secs																	
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										Velocity model: Lownet Xnear: 100.0 Xfar: 200.0																					
Comment: 6KM WEST KILBERRY										Comment: 6KM WSW ACHNASHEEN																					
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES										
LAWE	HZ	53.2	EP			10:51	13.28			0.13	KPL	HZ	37.2	EP			01:44	43.04			0.20										
LAWE	HN	53.2	ES			10:51	19.61			-0.20	KPL	HN	37.2	ES			01:44	47.55			-0.23										
LAWE	HE	53.2	IAML			10:51	25.17	11	0.68		KPL	HN	37.2	IAML			01:44	47.82	4	0.20											
LAWE	HN	53.2	IAML			10:51	26.34	12	0.54		KPL	HE	37.2	IAML			01:44	47.92	4	0.22											
CLGH	HZ	85.7	EP			10:51	18.40			0.18	LINV	HZ	66.3	EP			01:44	47.56			0.15										
CLGH	HN	85.7	ES			10:51	28.39			-0.18	LINV	HN	66.3	ES			01:44	55.53			-0.16										
CLGH	HE	85.7	IAML			10:51	31.33	11	0.36		MCD	HZ	115.0	EP			01:44	54.82			-0.19										
CLGH	HN	85.7	IAML			10:51	31.94	16	0.56		MCD	HN	115.0	IAML			01:45	10.36	2	0.45											
EAB	HZ	97.1	EP			10:51	19.98			-0.01	MCD	HE	115.0	IAML			01:45	10.49	3	0.22											
EAB	HE	97.1	IAML			10:51	32.55	11	0.46		PITL	HZ	126.0	EP			01:44	56.47			-0.18										
EAB	HN	97.1	IAML			10:51	33.23	11	0.38		PITL	HE	126.0	IAML			01:45	12.13	1	0.09											
NEWG	HN	124.0	IAML			10:51	38.96	4	0.40		PITL	HN	126.0	IAML			01:45	12.51	1	0.16											
NEWG	HE	124.0	IAML			10:51	39.01	5	0.46		BIGH	HZ	129.0	EP			01:44	57.29			0.20										
GALL	HZ	126.0	EP			10:51	24.32			0.02	BIGH	HE	129.0	IAML			01:45	13.75	3	0.22											
GALL	HN	126.0	IAML			10:51	39.77	6	0.72		BIGH	HN	129.0	IAML			01:45	13.95	4	0.16											
GALL	HE	126.0	IAML			10:51	40.09	11	0.82		INVG	HN	143.0	IAML			01:45	16.57	1	0.11											
INVG	HZ	126.0	EP			10:51	24.56			0.22	INVG	HE	143.0	IAML			01:45	16.58	1	0.16											
INVG	HN	126.0	IAML			10:51	41.01	4	0.28		LAWE	HZ	145.0	EP			01:44	59.93			0.57										
INVG	HE	126.0	IAML			10:51	41.66	2	0.30		LAWE	HN	145.0	IAML			01:45	18.48	1	0.14											
ESK	HZ	170.0	EP			10:51	30.06			-0.58	LAWE	HE	145.0	IAML			01:45	18.69	2	0.22											
ESK	HN	170.0	IAML			10:51	50.14	8	0.58																						
ESK	HE	170.0	IAML			10:51	52.21	4	0.60																						
June 7 2024										June 14 2024																					
Time: 23:49 20.8 UTC				Magnitude: 0.6 ML						Time: 00:36 58.2 UTC				Magnitude: 1.1 ML																	
Lat: 52.378				Lon: -3.685						Lat: 53.053				Lon: -2.132																	
Grid Ref: 285.32 kmE				276.93 kmN						Grid Ref: 391.15 kmE				350.68 kmN																	
Locality: LLANGURIG,POWYS				RMS: 0.20 secs						Locality: STOKE-ON-TRENT,STAFFS				RMS: 0.20 secs																	
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										Velocity model: Lownet Xnear: 80.0 Xfar: 160.0																					
Comment: 6KM WSW LLANGURIG										Comment: 6KM WSW LLANGURIG																					
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES										
LPW	HZ	39.3	EP																												

TABLE 2 : PHASE DATA

LBWR	HN	47.4	ES	00:37	13.30			-0.22	CLGH	HE	78.4	IAML	08:39	02.72	20	0.32					
LBWR	HN	47.4	IAML	00:37	13.46	7	0.22		EAB	HZ	88.5	ES	08:38	51.91			-0.07				
LBWR	HE	47.4	IAML	00:37	13.56	6	0.14		EAB	HN	88.5	EP	08:39	02.51			-0.13				
AS02	HZ	56.7	EP	00:37	08.79			0.24	EAB	HE	88.5	IAML	08:39	05.10	24	0.28					
HLM1	HZ	78.0	EP	00:37	11.74			-0.15	EAB	HN	88.5	IAML	08:39	05.40	21	0.38					
HLM1	HE	78.0	IAML	00:37	24.39	4	0.40		NEWG	HZ	94.1	EP	08:38	52.86			0.03				
HLM1	HN	78.0	IAML	00:37	26.80	2	0.13		NEWG	HN	94.1	ES	08:39	03.95			-0.16				
HPK	HN	106.0	ES	00:37	29.38			0.01	NEWG	HN	94.1	IAML	08:39	06.16	6	0.42					
HPK	HE	106.0	IAML	00:37	32.44	12	0.18		NEWG	HE	94.1	IAML	08:39	06.67	6	0.18					
HPK	HN	106.0	IAML	00:37	32.89	14	0.22		GALL	HZ	97.3	EP	08:38	53.40			0.09				
AR07	HZ	107.0	EP	00:37	16.77			0.39	INVG	HZ	120.0	EP	08:38	56.99			0.13				
AR07	HN	107.0	IAML	00:37	32.58	10	0.38		INVG	HE	120.0	IAML	08:39	13.23	7	0.34					
AR07	HE	107.0	IAML	00:37	32.97	7	0.15		INVG	HN	120.0	IAML	08:39	13.56	7	0.22					
MCH1	HZ	131.0	EP	00:37	20.42			0.30	ESK	HZ	143.0	EP	08:39	00.60			0.48				
MCH1	HN	131.0	IAML	00:37	37.15	3	0.16		ESK	HN	143.0	IAML	08:39	18.27	6	0.28					
MCH1	HE	131.0	IAML	00:37	38.77	2	0.14		ESK	HE	143.0	IAML	08:39	18.58	4	0.22					
MONM	HZ	143.0	EP	00:37	22.14			0.41	IDGL	HZ	150.0	EP	08:39	01.72			0.60				
MONM	HE	143.0	IAML	00:37	41.96	12	0.30		IDGL	HE	150.0	IAML	08:39	22.94	6	0.30					
MONM	HN	143.0	IAML	00:37	42.28	4	0.16		IDGL	HN	150.0	IAML	08:39	22.96	9	0.26					
WLF1	HZ	154.0	EP	00:37	23.37			0.05	PITL	HZ	171.0	EP	08:39	03.51			-0.58				
									PITL	HE	171.0	IAML	08:39	28.33	8	0.36					
									PITL	HN	171.0	IAML	08:39	28.62	7	0.20					
June 14 2024									Time: 23:54 20.9 UTC									Magnitude: 0.8 ML			
Lat: 55.994									Lon: -6.351									Depth: 5.7 km			
Grid Ref: 128.72 kmE									686.43 kmN									RMS: 0.20 secs			
Locality: COLONSAY, ARGYLL & BUTE																					
Velocity model: Lownet									Xnear: 100.0									Xfar: 200.0			
Comment: 4KM OFF COLONSAY																					
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAW	E	66.2	EP			23:54	31.92			-0.27	LAW	E	63.6	EP			00:48	22.17			0.07
LAW	HN	66.2	ES			23:54	40.39			-0.02	LAW	HN	63.6	ES			00:48	29.65			-0.28
LAW	HE	66.2	IAML			23:54	40.88	7	0.22		LAW	HE	63.6	IAML			00:48	29.86	6	0.18	
LAW	HN	66.2	IAML			23:54	40.95	3	0.24		LAW	HN	63.6	IAML			00:48	31.14	3	0.16	
CLGH	HZ	103.0	EP			23:54	37.89			0.03	LAW	HE	63.6	IAML			00:48	23.86			-0.20
CLGH	HN	103.0	ES			23:54	50.15			-0.05	KPL	HZ	76.4	EP			00:48	36.27	2	0.26	
CLGH	HE	103.0	IAML			23:54	50.60	3	0.32		KPL	HE	76.4	IAML			00:48	36.53	1	0.09	
CLGH	HN	103.0	IAML			23:54	52.04	3	0.46		KPL	HN	76.4	IAML			00:48	31.57			0.57
EAB	HZ	127.0	EP			23:54	42.05			0.38	EAB	HZ	121.0	EP			00:48	48.41	2	0.07	
EAB	HN	127.0	IAML			23:54	58.89	2	0.32		EAB	HN	121.0	IAML			00:48	48.50	3	0.19	
EAB	HE	127.0	IAML			23:54	59.53	4	0.32		EAB	HE	121.0	IAML			00:48	32.37			0.32
INVG	HZ	151.0	EP			23:54	45.53			0.45	INVG	HZ	128.0	EP			00:48	46.96			-0.20
INVG	HN	151.0	IAML			23:55	05.83	1	0.15		INVG	HN	128.0	ES			00:48	48.87	2	0.12	
INVG	HE	151.0	IAML			23:55	06.43	1	0.08		INVG	HE	128.0	IAML			00:48	49.54	2	0.08	
PITL	HE	193.0	IAML			23:55	17.42	1	0.15		PITL	HZ	152.0	EP			00:48	55.21	2	0.13	
PITL	HN	193.0	IAML			23:55	18.97	1	0.10		PITL	HN	152.0	IAML			00:48	55.31	3	0.12	
											LINV	HZ	170.0	EP			00:48	37.61			-0.32
June 15 2024									Time: 00:04 36.0 UTC									Magnitude: 0.3 ML			
Lat: 54.737									Lon: -3.149									Depth: 7.6 km			
Grid Ref: 326.03 kmE									538.62 kmN									RMS: 0.20 secs			
Locality: IREBY, CUMBRIA																					
Velocity model: Lownet									Xnear: 100.0									Xfar: 200.0			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KESW	HZ	16.8	IP		D	00:04	39.53			0.03	KESW	HZ	30.0	IP		D	05:32	16.55			-0.20
KESW	HN	16.8	ES			00:04	42.08			0.03	KESW	HE	30.0	IAML			05:32	20.78	40	0.16	
KESW	HN	16.8	IAML			00:04	42.20	8	0.16		KESW	HN	30.0	IAML			05:32	21.05	35	0.11	
KESW	HE	16.8	IAML			00:04	42.32	6	0.10		AP12	HZ	48.4	IP		D	05:32	19.45			-0.14
AQ12	HZ	42.2	EP			00:04	43.40			-0.06	AP12	HE	48.4	ES			05:32	25.29			-0.42
AQ12	HN	42.2	ES			00:04	48.64			-0.26	AP12	HN	48.4	IAML			05:32	25.71	28	0.08	
AQ12	HE	42.2	IAML			00:04	49.07	2	0.09		AP12	HE	48.4	IAML			05:32	25.76	38	0.18	
AQ12	HN	42.2	IAML			00:04	49.22	2	0.07		AQ12	HZ	58.3	IP		D	05:32	21.11			-0.05
AP12	HZ	48.2	EP			00:04	44.38			0.03	AQ12	HN	58.3	ES			05:32	27.97			-0.45
AP12	HE	48.2	ES			00:04	50.21			-0.23	AQ12	HE	58.3	IAML			05:32	28.15	71	0.10	
AP12	HN	48.2	IAML			00:04	50.98	2	0.08		AQ12	HE	58.3	IAML			05:32	28.86	94	0.06	
AP12	HE	48.2	IAML			00:04	51.25	2	0.10		NEWG	HZ	63.9	IP		D	05:32	22.15			0.18
ESK	HZ	64.6	EP			00:04	46.99			0.09	NEWG	HN	63.9	ES			05:32	29.71			-0.12
ESK	HN	64.6	ES			00:04	54.51			-0.35	NEWG	HE	63.9	IAML			05:32	32.66	15	0.30	
ESK	HN	64.6	IAML			00:04	58.48	1	0.13		NEWG	HN	63.9	IAML			05:32	32.91	12	0.11	
ESK	HE	64.6	IAML			00:04	58.61	1	0.11		ESK	HZ	69.0	EP			05:32	22.66			-0.13
EKA	BZ	66.3	EP			00:04	47.26			0.06	ESK	HE	69.0	ES			05:32	30.76			-0.49
AR09	HZ	73.2	EP			00:04	48.50			0.22	ESK	HE	69.0	IAML			05:32	31.19	47	0.24	
EDMD	HZ	77.1	EP			00:04	49.23			0.44	ESK	HN	69.0	IAML			05:32	32.00	29	0.10	
EDMD	HN	77.1	ES			00:04	58.02			-0.11	GALL	HZ	79.0	EP			05:32	24.61			0.30
EDMD	HN	77.1	IAML			00:04	59.60	3	0.29		GALL	HN	79.0	IAML			05:32	35.55	19	0.18	
EDMD	HE	77.1	IAML			00:05	01.11	5	0.13		GALL	HE	79.0	IAML			05:32	36.48	20	0.10	
NEWG	HN	81.2	ES			00:04	59.23			-0.04	IOMK	HZ	85.6	EP			05:32	25.18			-0.17
NEWG	HN	81.2	IAML			00:04	59.84	1	0.18		IOMK	HN	85.6	IAML			05:32	37.49	22	0.10	
NEWG	HE	81.2	IAML			00:05	00.23	1	0.24		IOMK	HE	85.6	IAML			05:32	38.22	14	0.10	
GALL	HN	101.0	ES			00:05	04.86			0.16	AR09	HZ	88.6	EP			05:32	25.94			0.07
June 18 2024									Time: 08:38 37.4 UTC									Magnitude: 1.3 ML			
Lat: 55.652									Lon: -5.381									Depth: 7.6 km			
Grid Ref: 187.31 kmE									645.01 kmN									RMS: 0.20 secs			
Locality: ARRAN, NORTH AYRSHIRE																					
Velocity model: Lownet									Xnear: 100.0									Xfar: 200.0			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
PGB1	HZ	59.1	IP		D	08:38	47.60			0.19	AR07	HN	106.0	IAML			05:32	43.94	37	0.15	
PGB1	HE	59.1	ES			08:38	54.69			-0.04	AR07	HE	106.0	IAML			05:32	44.61	24	0.23	
PGB1	HE	59.1	IAML			08:38	54.88	33	0.20		WINS	HZ	110.0	EP			05:32	29.78			0.67

TABLE 2 : PHASE DATA

ESY	HE	145.0	IAML	05:32	51.90	18	0.60			INVG	HE	134.0	IAML	19:53	03.36	1	0.11				
ESY	HN	145.0	IAML	05:32	52.92	16	0.28														
HPK	HZ	149.0	EP	05:32	35.19			0.30		June 30 2024				Time: 06:42 17.8	UTC		Magnitude: 2.2 ML				
HPK	HN	149.0	IAML	05:32	54.92	43	0.16			Lat: 54.008				Lon: 0.959			Depth: 10.0 km				
HPK	HE	149.0	IAML	05:32	55.21	54	0.20			Grid Ref: 593.88 kmE				460.96 kmN			RMS: 0.70 secs				
AT10	HN	156.0	IAML	05:32	55.40	15	0.30			Locality: SOUTHERN NORTH SEA											
AT10	HE	156.0	IAML	05:32	55.44	20	0.34			Velocity model: North Sea				Xnear: 300.0		Xfar: 600.0					
WPS	HE	161.0	IAML	05:32	57.44	11	0.22			Comment: 80KM NE GRIMSBY											
WPS	HN	161.0	IAML	05:32	58.21	7	0.10			STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	
WLF1	HN	170.0	IAML	05:32	59.57	6	0.26			LMK	HZ	105.0	EP			06:42	33.68			-0.96	
WLF1	HE	170.0	IAML	05:32	59.79	8	0.30			LMK	HE	105.0	IAML			06:42	49.34	127	0.28		
EAB	HN	172.0	IAML	05:33	00.23	3	0.12			LMK	HN	105.0	IAML			06:42	53.14	117	0.34		
CLGH	HE	172.0	IAML	05:32	59.08	10	0.18			AU08	HZ	107.0	EP			06:42	34.08			-0.89	
EAB	HE	172.0	IAML	05:33	01.93	4	0.42			AU08	HN	107.0	IAML			06:42	49.19	46	0.54		
CLGH	HN	172.0	IAML	05:33	01.21	6	0.15			AU08	HE	107.0	IAML			06:42	51.92	29	0.38		
										AU05	HZ	122.0	EP			06:42	35.80			-1.42	
June 20 2024				Time: 17:01 03.2	UTC			Magnitude: 0.9 ML		AU05	HN	122.0	IAML			06:42	51.20	134	0.40		
Lat: 57.010				Lon: -5.805				Depth: 7.9 km		AU05	HE	122.0	IAML			06:42	52.82	99	0.44		
Grid Ref: 169.01 kmE				797.40 kmN				RMS: 0.30 secs		GDLE	HZ	125.0	EP			06:42	37.36			-0.34	
Locality: MALLAIG, HIGHLAND										GDLE	HN	125.0	ES			06:42	52.01			-0.19	
Velocity model: Lownet				Xnear: 125.0				Xfar: 250.0		GDLE	HN	125.0	IAML			06:42	54.69	86	0.28		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	GDLE	HE	125.0	IAML			06:42	54.73	61	0.42	
LAW	E	87.2	EP			17:01	17.48			-0.11	AU07	HZ	126.0	EP			06:42	37.44			-0.49
LAW	HE	87.2	ES			17:01	27.80			-0.29	AU07	HN	126.0	IAML			06:42	56.65	86	0.28	
LAW	HE	87.2	IAML			17:01	28.00	4	0.24		AU07	HE	126.0	IAML			06:42	57.24	99	0.32	
LAW	HN	87.2	IAML			17:01	32.17	4	0.37		WACR	HZ	145.0	EP			06:42	40.48			0.17
INVG	HZ	126.0	EP			17:01	23.73			0.16	WACR	HE	145.0	IAML			06:42	59.30	32	0.24	
INVG	HE	126.0	IAML			17:01	39.93	4	0.12		WACR	HN	145.0	IAML			06:43	00.01	33	0.26	
INVG	HN	126.0	IAML			17:01	40.08	3	0.10		AT10	HZ	145.0	EP			06:42	40.26			-0.14
EAB	HZ	128.0	EP			17:01	24.57			0.64	AT10	HN	145.0	IAML			06:42	57.94	25	0.32	
EAB	HN	128.0	IAML			17:01	40.78	3	0.09		AT10	HE	145.0	IAML			06:43	04.51	24	0.40	
EAB	HE	128.0	IAML			17:01	41.15	3	0.20		HPK	HZ	170.0	EP			06:42	43.70			0.27
LINV	HZ	132.0	EP			17:01	24.17			-0.19	HPK	HN	170.0	ES			06:43	03.65			1.54
LINV	HN	132.0	IAML			17:01	39.85	2	0.68		HPK	HE	170.0	IAML			06:43	05.47	50	0.24	
LINV	HE	132.0	IAML			17:01	40.18	3	0.16		HPK	HN	170.0	IAML			06:43	10.65	44	0.46	
PITL	HZ	136.0	EP			17:01	25.05			-0.01	LBWR	HN	190.0	IAML			06:43	10.72	74	0.30	
PITL	HN	136.0	ES			17:01	40.77			-0.23	LBWR	HE	190.0	IAML			06:43	10.93	35	0.30	
PITL	HE	136.0	IAML			17:01	41.62	2	0.28		BEDF	HE	197.0	IAML			06:43	13.77	46	0.30	
PITL	HN	136.0	IAML			17:01	41.91	3	0.16		BEDF	HN	197.0	IAML			06:43	16.29	53	0.38	
											AS02	HZ	201.0	EP			06:42	48.22			0.93
June 24 2024				Time: 01:03 36.6	UTC			Magnitude: 1.0 ML		AS02	HN	201.0	IAML			06:43	12.14	25	0.30		
Lat: 57.636				Lon: -5.640				Depth: 2.5 km		AS02	HE	201.0	IAML			06:43	13.31	24	0.24		
Grid Ref: 182.75 kmE				866.48 kmN				RMS: 0.40 secs		CWF	HZ	207.0	EP			06:42	48.28			0.24	
Locality: SHIELDAIG, HIGHLAND										CWF	HE	207.0	IAML			06:43	14.71	13	0.22		
Velocity model: Lownet				Xnear: 100.0				Xfar: 200.0		CWF	HN	207.0	IAML			06:43	15.43	12	0.20		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	EDMD	HN	211.0	IAML			06:43	16.11	8	0.24	
KPL	HZ	33.1	EP			01:03	42.84			0.20	EDMD	HE	211.0	IAML			06:43	18.20	11	0.52	
KPL	HE	33.1	ES			01:03	46.68			-0.40	AR07	HZ	224.0	EP			06:42	50.71			0.50
KPL	HE	33.1	IAML			01:03	46.95	5	0.24		AR07	HE	224.0	IAML			06:43	24.64	38	0.32	
KPL	HN	33.1	IAML			01:03	47.12	4	0.11		AR07	HN	224.0	IAML			06:43	19.03	38	0.32	
LINV	HZ	62.7	EP			01:03	47.68			0.20	AR09	HZ	224.0	EP			06:42	49.99			-0.18
LINV	HE	62.7	ES			01:03	54.97			-0.48	AR09	HN	224.0	IAML			06:43	19.45	34	0.30	
LINV	HE	62.7	IAML			01:03	55.10	4	0.20		AR09	HE	224.0	IAML			06:43	26.00	30	0.30	
LINV	HN	62.7	IAML			01:04	01.18	2	0.14		STNC	HN	233.0	IAML			06:43	23.47	23	0.28	
BIGH	HZ	140.0	EP			01:04	00.12			0.77	STNC	HE	233.0	IAML			06:43	27.00	33	0.34	
BIGH	HN	140.0	IAML			01:04	18.97	4	0.32		AQ12	HZ	247.0	EP			06:42	54.06			1.03
BIGH	HE	140.0	IAML			01:04	19.34	3	0.29		AQ12	HN	247.0	IAML			06:43	25.69	6	0.58	
MCD	HZ	143.0	EP			01:03	59.57			-0.25	AQ12	HE	247.0	IAML			06:43	27.15	4	0.66	
MCD	HN	143.0	IAML			01:04	17.53	4	0.28		AP12	HE	278.0	IAML			06:43	35.22	5	0.34	
MCD	HE	143.0	IAML			01:04	17.53	5	0.22		AP12	HN	278.0	IAML			06:43	38.10	6	0.40	
PITL	HZ	153.0	EP			01:04	01.98			0.63	HLM1	HZ	305.0	EP			06:43	00.22			-0.07
PITL	HN	153.0	IAML			01:04	20.79	4	0.22		HLM1	HN	305.0	IAML			06:43	45.81	6	0.58	
PITL	HE	153.0	IAML			01:04	21.10	3	0.07		HLM1	HE	305.0	IAML			06:43	48.94	8	0.68	
LAW	E	154.0	EP			01:04	01.83			0.44											
LAW	HN	154.0	IAML			01:04	22.05	4	0.24		July 3 2024			Time: 11:15 04.2	UTC		Magnitude: 3.0 ML				
LAW	HE	154.0	IAML			01:04	22.44	5	0.18		Lat: 56.930			Lon: 1.800			Depth: 10.0 km				
INVG	HZ	166.0	EP			01:04	03.42			0.30	Grid Ref: 631.18 kmE			788.49 kmN			RMS: 0.40 secs				
INVG	HN	166.0	IAML			01:04	24.16	2	0.19		Locality: CENTRAL NORTH SEA										
INVG	HE	166.0	IAML			01:04	24.59	3	0.14		Velocity model: North Sea			Xnear: 500.0		Xfar: 1000.0					
EAB	HZ	180.0	EP			01:04	05.76			0.78	Comment: 235KM EAST ABERDEEN										
EAB	HN	180.0	IAML			01:04	27.69	2	0.27		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
EAB	HE	180.0	IAML			01:04	27.73	3	0.34		DRUM	HZ	261.0	EP			11:15	41.30			0.20
											DRUM	HE	261.0	ES			11:16	08.34			0.27
June 29 2024				Time: 19:52 23.2	UTC			Magnitude: 0.6 ML		DRUM	HE	261.0	IAML			11:16	21.04	56	0.26		
Lat: 56.870				Lon: -6.081				Depth: 7.6 km		DRUM	HN	261.0	IAML			11:16	22.06	64	0.42		
Grid Ref: 151.33 kmE				782.80 kmN				RMS: 0.20 secs		TARL	HZ	285.0	EP			11:15	44.35			0.30	
Locality: EIGG, HIGHLAND										TARL	HN	285.0	ES			11:16	13.47			0.29	
Velocity model: Lownet				Xnear: 100.0				Xfar: 200.0		TARL	HE	285.0	IAML			11:16	15.71	69	0.16		
Comment: 3KM OFFSHORE EIGG										TARL	HN	285.0	IAML			11:16	26.33	91	0.16		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	ESY	HZ	295.0	EP			11:15	45.47			0.17
KPL	HZ	58.3	EP			19:52	32.97			-0.07	ESY	HE	295.0	IAML			11:16	33.78	47	0.30	
KPL	HN	58.3	ES			19:52	40.11			-0.13	ESY	HN	295.0	IAML			11:16	36.67	37	0.24	
KPL	HN	58.3	IAML			19:52															

TABLE 2 : PHASE DATA

AT10	HZ	341.0	EP	11:15	51.55			0.51	July 7 2024	Time: 02:55 29.0 UTC	Magnitude: 0.5 ML
AT10	HE	341.0	IAML	11:16	49.73	52	0.34		Lat: 55.771	Lon: -3.190	Depth: 5.8 km
AT10	HN	341.0	IAML	11:16	50.81	64	0.34		Grid Ref: 325.35 kmE 653.71 kmN		RMS: 0.20 secs
ESK	HZ	359.0	EP	11:15	53.12			-0.19	Locality: LEADBURN,MIDLOTHIAN		
ESK	HN	359.0	IAML	11:16	49.84	31	0.26		Velocity model: Lownet Xnear: 100.0 Xfar: 200.0		
ESK	HE	359.0	IAML	11:16	49.88	29	0.26		STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES		
INVG	HZ	362.0	EP	11:15	53.68			-0.02	EDI HZ 17.0 EP 02:55 32.35		-0.10
INVG	HE	362.0	IAML	11:16	30.86	16	0.24		EDI HN 17.0 ES 02:55 34.88		-0.07
INVG	HN	362.0	IAML	11:16	32.71	19	0.68		EDI HN 17.0 IAML 02:55 34.98	18	0.14
CTON	HZ	380.0	EP	11:15	55.63			-0.24	EDI HE 17.0 IAML 02:55 35.02	11	0.10
CTON	HE	380.0	IAML	11:16	36.44	51	0.16		ESY HZ 39.6 EP 02:55 36.19		0.01
CTON	HN	380.0	IAML	11:16	36.99	63	0.30		ESY HN 39.6 ES 02:55 41.34		-0.07
BIGH	HZ	382.0	EP	11:15	55.99			-0.14	ESY HN 39.6 IAML 02:55 41.73	2	0.22
BIGH	HE	382.0	IAML	11:16	34.86	17	0.39		ESY HE 39.6 IAML 02:55 42.08	2	0.18
BIGH	HN	382.0	IAML	11:16	36.60	28	0.28		EKA BZ 48.7 EP 02:55 37.66		0.06
EAB	HZ	386.0	EP	11:15	56.97			0.32	ESK HZ 50.6 EP 02:55 37.93		0.06
EAB	HN	386.0	IAML	11:16	36.77	23	0.44		ESK HN 50.6 ES 02:55 44.06		-0.27
EAB	HE	386.0	IAML	11:16	40.60	16	0.22		ESK HE 50.6 IAML 02:55 45.10	2	0.09
HPK	HZ	395.0	EP	11:15	58.01			0.22	ESK HN 50.6 IAML 02:55 48.49	1	0.18
HPK	HE	395.0	IAML	11:16	40.48	108	0.26		PGB1 HE 81.3 ES 02:55 52.38		-0.17
HPK	HN	395.0	IAML	11:16	40.49	97	0.28		PGB1 HE 81.3 IAML 02:55 54.00	2	0.14
LRW	HZ	397.0	EP	11:15	57.95			-0.02	PGB1 HN 81.3 IAML 02:55 55.73	2	0.27
LRW	HE	397.0	IAML	11:16	39.67	16	0.50		EAB HZ 85.4 EP 02:55 43.13		-0.15
LRW	HN	397.0	IAML	11:16	40.80	14	0.56		EAB HE 85.4 IAML 02:55 57.37	2	0.23
AQ12	HZ	399.0	EP	11:15	57.48			-0.72	EAB HN 85.4 IAML 02:55 57.65	2	0.16
AQ12	HE	399.0	IAML	11:16	39.38	21	0.30		INVG HE 90.4 IAML 02:55 58.26	1	0.12
AQ12	HN	399.0	IAML	11:16	40.18	17	0.66		INVG HN 90.4 IAML 02:55 58.26	1	0.13
AR09	HZ	403.0	EP	11:15	58.41			-0.30	NEWG HZ 98.1 EP 02:55 45.40		0.19
KESW	HZ	403.0	EP	11:15	58.14			-0.63	NEWG HE 98.1 IAML 02:56 00.28	1	0.20
KESW	HN	403.0	IAML	11:17	07.99	23	0.62		NEWG HN 98.1 IAML 02:56 00.44	5	0.14
KESW	HE	403.0	IAML	11:17	16.72	17	0.52		PITL HZ 119.0 EP 02:55 49.07		0.49
LMK	HZ	410.0	EP	11:16	00.49			0.95	PITL HN 119.0 IAML 02:56 05.79	1	0.18
LMK	HN	410.0	IAML	11:17	19.20	77	0.72		PITL HE 119.0 IAML 02:56 07.98	1	0.09
LMK	HE	410.0	IAML	11:17	22.09	58	0.42		EDMD HE 130.0 IAML 02:56 08.78	2	0.20
AR07	HZ	423.0	EP	11:16	01.25			0.01	EDMD HN 130.0 IAML 02:56 09.37	2	0.14
AR07	HN	423.0	IAML	11:16	45.54	92	0.22		GAL1 HZ 140.0 EP 02:55 51.98		0.51
AR07	HE	423.0	IAML	11:16	47.92	66	0.22		GAL1 HE 140.0 IAML 02:56 10.38	2	0.21
NEWG	HZ	427.0	EP	11:16	01.29			-0.36	GAL1 HN 140.0 IAML 02:56 10.78	2	0.17
NEWG	HE	427.0	IAML	11:16	45.40	17	0.36		LAWE HE 148.0 IAML 02:56 11.63	1	0.20
NEWG	HN	427.0	IAML	11:16	45.97	22	0.52		LAWE HN 148.0 IAML 02:56 11.90	2	0.40
AP12	HZ	432.0	EP	11:16	01.50			-0.86	AQ12 HE 151.0 IAML 02:56 13.10	1	0.11
AP12	HE	432.0	IAML	11:17	17.26	15	0.48		AQ12 HN 151.0 IAML 02:56 13.65	1	0.10
AP12	HN	432.0	IAML	11:17	18.61	19	0.42				
BER	HE	436.0	IAML	11:16	44.54	7	0.34		July 10 2024	Time: 09:38 06.2 UTC	Magnitude: 0.8 ML
BER	HN	436.0	IAML	11:16	47.82	4	0.35		Lat: 55.015	Lon: -7.593	Depth: 3.1 km
LINV	HZ	440.0	EP	11:16	02.62			-0.72	Grid Ref: 42.59 kmE 583.26 kmN		RMS: 0.30 secs
LINV	HN	440.0	IAML	11:16	46.62	15	0.24		Locality: RAMELTON,CO DONEGAL		
LINV	HE	440.0	IAML	11:16	47.71	14	0.20		Velocity model: Lownet Xnear: 100.0 Xfar: 200.0		
LAWE	HZ	448.0	EP	11:16	04.33			-0.02	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES		
LAWE	HE	448.0	IAML	11:16	51.05	15	0.30		IDGL HZ 8.1 EP 09:38 08.09		0.02
LAWE	HN	448.0	IAML	11:17	21.97	12	0.48		IDGL HE 8.1 ES 09:38 09.25		-0.18
LBWR	HZ	452.0	EP	11:16	05.09			0.22	IDGL HE 8.1 IAML 09:38 09.53	46	0.09
LBWR	HN	452.0	IAML	11:16	52.58	40	0.22		IDGL HN 8.1 IAML 09:38 09.62	37	0.07
LBWR	HE	452.0	IAML	11:17	32.83	20	0.34		CLGH HZ 95.0 EP 09:38 22.56		0.44
KPL	HN	453.0	IAML	11:16	49.80	12	0.22		CLGH HE 95.0 ES 09:38 33.70		-0.05
KPL	HE	453.0	IAML	11:16	51.68	13	0.20		CLGH HN 95.0 IAML 09:38 35.24	5	0.16
HLM1	HZ	576.0	EP	11:16	20.11			-0.13	CLGH HE 95.0 IAML 09:38 35.53	5	0.18
HLM1	HE	576.0	IAML	11:17	18.88	13	0.30		ILTH HZ 137.0 EP 09:38 27.92		-0.56
HLM1	HN	576.0	IAML	11:17	20.67	9	0.44		LAWE HN 196.0 ES 09:38 58.22		-0.42
MCH1	HZ	631.0	EP	11:16	26.94			-0.07			
MCH1	HE	631.0	IAML	11:17	31.26	18	0.24		July 10 2024	Time: 12:47 48.9 UTC	Magnitude: 1.1 ML
MCH1	HN	631.0	IAML	11:17	31.57	27	0.22		Lat: 53.693	Lon: -1.031	Depth: 15.4 km
MONM	HZ	640.0	EP	11:16	28.41			0.20	Grid Ref: 463.98 kmE 422.30 kmN		RMS: 0.10 secs
MONM	HE	640.0	IAML	11:17	34.31	11	0.20		Locality: SNAITH,EAST YORKSHIRE		
MONM	HN	640.0	IAML	11:17	35.48	17	0.30		Velocity model: Lownet Xnear: 100.0 Xfar: 200.0		
									STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES		
									AU05 HZ 21.3 EP 12:47 53.27		-0.13
									AU05 HN 21.3 ES 12:47 56.80		0.11
									AU05 HN 21.3 IAML 12:47 57.26	59	0.07
									AU05 HE 21.3 IAML 12:47 57.29	83	0.18
									AU07 HZ 46.8 EP 12:47 57.20		0.06
									AU07 HE 46.8 ES 12:48 03.28		0.11
									AU07 HN 46.8 IAML 12:48 04.10	39	0.22
									AU07 HE 46.8 IAML 12:48 04.13	54	0.16
									HPK HZ 49.0 EP 12:47 57.36		-0.13
									HPK HN 49.0 ES 12:48 03.83		0.05
									HPK HN 49.0 IAML 12:48 04.01	11	0.16
									HPK HE 49.0 IAML 12:48 04.39	10	0.19
									AU08 HZ 53.7 EP 12:47 58.07		-0.14
									AU08 HN 53.7 IAML 12:48 05.83	11	0.54
									AU08 HE 53.7 IAML 12:48 07.74	9	0.14
									LBWR HZ 56.3 EP 12:47 58.69		0.06
									LBWR HN 56.3 ES 12:48 05.71		-0.04
									LBWR HE 56.3 IAML 12:48 06.49	8	0.10
									LBWR HE 56.3 IAML 12:48 06.98	10	0.10
									GDLE HZ 82.3 EP 12:48 02.55		-0.02
									GDLE HN 82.3 IAML 12:48 13.33	7	0.22
									GDLE HE 82.3 IAML 12:48 14.21	13	0.26
									CWF HN 108.0 ES 12:48 18.93		0.09
									CWF HN 108.0 IAML 12:48 19.87	5	0.19
									CWF HE 108.0 IAML 12:48 21.00	5	0.21
July 5 2024									Time: 19:50 41.7 UTC		Magnitude: 1.0 ML
									Lat: 52.399	Lon: -3.680	Depth: 4.9 km
									Grid Ref: 285.71 kmE 279.26 kmN		RMS: 0.50 secs
									Locality: LLANGURIG,POWYS		
									Velocity model: Lownet Xnear: 100.0 Xfar: 200.0		
									Comment: 5KM WEST LLANGURIG		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	
LPW	HZ	41.3	IP		C	19:50	48.61			-0.49	
LLW	BZ	50.1	EP			19:50	51.04			0.56	
LLW	BE	50.1	IAML			19:50	57.48	4	0.32		
LLW	BN	50.1	IAML			19:50	57.51	3	0.20		
HLM1	HZ	56.0	EP			19:50	51.34			-0.10	
HLM1	HN	56.0	ES			19:50	58.14			-0.44	
HLM1	HE	56.0	IAML			19:50	58.38	78	0.24		
HLM1	HE	56.0	IAML			19:50	58.51	26	0.42		
RSBS	HZ	88.1	EP			19:50	56.13			-0.26	
RSBS	HE	88.1	IAML			19:51	08.02	3	0.36		
RSBS	HN	88.1	IAML			19:51	08.92	3	0.32		
WLF1	HZ	110.0	EP			19:50	59.81			0.03	
WLF1	HE	110.0	ES			19:51	12.91			-0.10	
WLF1	HE	110.0	IAML			19:51	13.42	3	0.12		
WLF1	HN	110.0	IAML			19:51	13.58	2	0.12		
STRD	HZ	125.0	EP			19:51	02.68			0.58	
HEX	HZ	148.0	EP			19:51	06.38			0.88	
HEX	HN	148.0	ES			19:51	23.78			0.88	
HEX	HE	148.0	IAML			19:51	24.31	6	0.44		
HEX	HN	148.0	IAML			19:51	24.69	5	0.26		

TABLE 2 : PHASE DATA

July 11 2024 Time: 17:59 33.2 UTC Magnitude: 1.3 ML Lat: 55.297 Lon: -6.472 Depth: 2.6 km Grid Ref: 116.18 kmE 609.44 kmN RMS: 0.40 secs Locality: NORTH CHANNEL Velocity model: Lownet Xnear: 100.0 Xfar: 200.0 Comment: 16KM NW BALLYCASTLE										AU08 HN 115.0 IAML 01:59 13.85 12 0.51 AU08 HE 115.0 IAML 01:59 18.42 18 0.74 ESK HZ 119.0 EP 01:58 58.94 -0.18 ESK HE 119.0 ES 01:59 13.23 -0.19 ESK HN 119.0 IAML 01:59 13.89 6 0.32 ESK HE 119.0 IAML 01:59 14.43 8 0.30 STNC HZ 141.0 EP 01:59 02.88 0.55 IOMK HZ 142.0 EP 01:59 02.86 0.34 IOMK HN 142.0 IAML 01:59 22.91 6 0.83 IOMK HE 142.0 IAML 01:59 23.91 4 0.30 NEWG HZ 146.0 EP 01:59 03.94 0.91 GAL1 HZ 161.0 EP 01:59 04.90 -0.23 GAL1 HE 161.0 IAML 01:59 25.99 2 0.40 GAL1 HN 161.0 IAML 01:59 26.57 6 0.24 HLM1 HN 207.0 IAML 01:59 35.50 2 0.16 HLM1 HE 207.0 IAML 01:59 38.60 3 0.24									
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES CLGH HZ 33.1 IP C 17:59 39.41 0.14 CLGH HN 33.1 ES 17:59 43.42 -0.31 CLGH HE 33.1 IAML 17:59 50.39 24 0.21 CLGH HN 33.1 IAML 17:59 50.59 24 0.20 IDGL HZ 70.8 EP 17:59 45.29 -0.03 IDGL HE 70.8 IAML 17:59 57.09 8 0.18 IDGL HN 70.8 IAML 17:59 57.50 9 0.28 GAL1 HZ 122.0 EP 17:59 53.88 0.58 GAL1 HN 122.0 IAML 18:00 10.67 15 0.56 GAL1 HE 122.0 IAML 18:00 10.67 9 0.24 LAWE HZ 127.0 EP 17:59 53.54 -0.44 LAWE HN 127.0 IAML 18:00 11.81 3 0.16 LAWE HE 127.0 IAML 18:00 11.90 4 0.10 PGB1 HZ 138.0 EP 17:59 55.75 0.06 PGB1 HN 138.0 ES 18:00 12.32 0.18 PGB1 HN 138.0 IAML 18:00 13.24 11 0.28 PGB1 HE 138.0 IAML 18:00 13.96 14 0.26 NEWG HZ 144.0 EP 17:59 57.11 0.55 NEWG HN 144.0 ES 18:00 13.35 -0.30 NEWG HE 144.0 IAML 18:00 16.80 8 0.14 NEWG HN 144.0 IAML 18:00 16.96 8 0.42 EAB HZ 167.0 EP 17:59 59.08 -0.75 EAB HN 167.0 IAML 18:00 21.88 4 0.52 EAB HE 167.0 IAML 18:00 22.90 5 0.22 IOMK HZ 168.0 EP 17:59 59.99 -0.04 IOMK HN 168.0 IAML 18:00 23.46 3 0.46 IOMK HE 168.0 IAML 18:00 24.15 2 0.29 INVG HN 197.0 IAML 18:00 29.08 2 0.86 INVG HE 197.0 IAML 18:00 30.74 2 0.34 ESK HE 207.0 IAML 18:00 27.92 2 0.76 ESK HN 207.0 IAML 18:00 32.92 4 0.36										July 14 2024 Time: 23:45 51.7 UTC Magnitude: 0.6 ML Lat: 56.763 Lon: -5.043 Depth: 7.8 km Grid Ref: 214.02 kmE 767.61 kmN RMS: 0.20 secs Locality: GLEN NEVIS,HIGHLAND Velocity model: Lownet Xnear: 100.0 Xfar: 200.0 STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES GVIE HZ 47.8 EP 23:45 59.87 -0.24 GVIE HN 47.8 IAML 23:46 06.39 2 0.22 GVIE HE 47.8 IAML 23:46 06.92 2 0.09 LAWE HZ 60.1 EP 23:46 01.77 -0.15 LAWE HE 60.1 ES 23:46 09.24 -0.13 LAWE HN 60.1 IAML 23:46 12.22 3 0.08 LAWE HE 60.1 IAML 23:46 12.37 4 0.14 INVG HZ 71.9 EP 23:46 03.78 0.01 INVG HE 71.9 IAML 23:46 15.83 3 0.10 INVG HN 71.9 IAML 23:46 15.96 3 0.08 KPL HZ 74.0 EP 23:46 04.16 0.11 KPL HE 74.0 IAML 23:46 13.04 2 0.16 KPL HN 74.0 IAML 23:46 17.05 2 0.30 EAB HZ 77.4 EP 23:46 04.95 0.33 EAB HE 77.4 IAML 23:46 16.95 2 0.14 EAB HN 77.4 IAML 23:46 17.18 2 0.14 PITL HZ 88.6 EP 23:46 06.77 0.39 PITL HE 88.6 ES 23:46 16.76 -0.31 PITL HE 88.6 IAML 23:46 19.37 6 0.10 PITL HN 88.6 IAML 23:46 19.48 6 0.12 TARL HN 139.0 IAML 23:46 31.88 4 0.12 TARL HE 139.0 IAML 23:46 32.58 3 0.14									
July 12 2024 Time: 01:58 39.5 UTC Magnitude: 1.5 ML Lat: 54.355 Lon: -2.383 Depth: 4.7 km Grid Ref: 375.11 kmE 495.58 kmN RMS: 0.30 secs Locality: AISGILL,CUMBRIA Velocity model: Lownet Xnear: 100.0 Xfar: 200.0 Comment: 10KM ENE SEDBERGH										July 16 2024 Time: 08:01 44.8 UTC Magnitude: 1.0 ML Lat: 57.139 Lon: -5.562 Depth: 2.6 km Grid Ref: 184.50 kmE 810.95 kmN RMS: 0.30 secs Locality: ARNISDALE,HIGHLAND Velocity model: Lownet Xnear: 100.0 Xfar: 200.0 STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES KPL HZ 23.0 EP 08:01 49.10 -0.01 KPL HE 23.0 ES 08:01 52.04 -0.25 KPL HN 23.0 IAML 08:01 52.46 7 0.08 KPL HE 23.0 IAML 08:01 52.55 18 0.12 GVIE HZ 60.8 EP 08:01 55.37 -0.12 GVIE HN 60.8 ES 08:02 03.16 -0.17 GVIE HE 60.8 IAML 08:02 04.06 6 0.09 GVIE HN 60.8 IAML 08:02 08.98 8 0.54 LAWE HZ 98.3 EP 08:02 00.87 -0.33 LAWE HE 98.3 IAML 08:02 13.15 4 0.48 LAWE HN 98.3 IAML 08:02 15.63 7 0.12 LINV HZ 114.0 EP 08:02 04.34 0.66 LINV HE 114.0 IAML 08:02 20.57 2 0.20 LINV HN 114.0 IAML 08:02 20.84 1 0.16 INVG HZ 122.0 EP 08:02 05.27 0.38 INVG HN 122.0 ES 08:02 19.27 -0.33 INVG HE 122.0 IAML 08:02 21.02 4 0.24 INVG HN 122.0 IAML 08:02 21.76 3 0.12 EAB HZ 130.0 EP 08:02 06.37 0.28 EAB HN 130.0 ES 08:02 22.15 0.48 EAB HE 130.0 IAML 08:02 23.51 4 0.28 EAB HN 130.0 IAML 08:02 24.97 4 0.29 TARL HE 163.0 IAML 08:02 32.88 5 0.09 TARL HN 163.0 IAML 08:02 34.83 5 0.10 DRUM HN 188.0 IAML 08:02 39.04 4 0.18 DRUM HE 188.0 IAML 08:02 40.17 2 0.11									
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES AR09 HZ 14.9 IP C 01:58 42.93 0.30 AR09 HN 14.9 ES 01:58 45.26 0.37 AR09 HE 14.9 IAML 01:58 45.44 309 0.16 AR09 HN 14.9 IAML 01:58 45.45 466 0.20 AQ12 HZ 25.6 IP D 01:58 44.36 -0.06 AQ12 HN 25.6 ES 01:58 47.57 -0.42 AQ12 HN 25.6 IAML 01:58 48.24 265 0.18 AQ12 HE 25.6 IAML 01:58 48.33 220 0.18 CTON HZ 31.1 IP C 01:58 45.11 -0.24 CTON HN 31.1 ES 01:58 49.07 -0.53 CTON HE 31.1 IAML 01:58 49.23 83 0.26 CTON HN 31.1 IAML 01:58 49.85 97 0.20 AR07 HZ 40.2 EP 01:58 46.78 -0.06 AR07 HE 40.2 ES 01:58 51.79 -0.40 AR07 HN 40.2 IAML 01:58 52.15 111 0.16 AR07 HE 40.2 IAML 01:58 52.16 106 0.26 WINS HZ 42.0 IP C 01:58 47.11 0.01 WINS HN 42.0 IAML 01:58 52.81 63 0.16 WINS HE 42.0 IAML 01:58 53.79 54 0.20 KESW HZ 53.5 IP D 01:58 48.91 -0.00 KESW HE 53.5 IAML 01:58 55.89 32 0.38 KESW HN 53.5 IAML 01:58 56.36 26 0.28 EDMD HZ 59.6 IP C 01:58 49.70 -0.10 EDMD HN 59.6 IAML 01:58 57.16 34 0.24 EDMD HE 59.6 IAML 01:58 59.97 39 0.34 AT12 HZ 65.5 EP 01:58 50.81 0.08 AT12 HE 65.5 ES 01:58 58.96 0.05 AT12 HN 65.5 IAML 01:58 59.35 45 0.16 AT12 HE 65.5 IAML 01:59 01.58 45 0.18 HPK HZ 66.4 EP 01:58 50.78 -0.12 HPK HN 66.4 ES 01:58 58.82 -0.39 HPK HN 66.4 IAML 01:59 01.10 35 0.26 HPK HE 66.4 IAML 01:59 02.09 26 0.14 AT10 HZ 78.5 EP 01:58 52.90 0.11 AT10 HE 78.5 ES 01:59 02.53 0.05 AT10 HE 78.5 IAML 01:59 04.48 28 0.41 AT10 HN 78.5 IAML 01:59 04.63 26 0.40 AS02 HZ 92.9 EP 01:58 55.16 0.15 AS02 HE 92.9 ES 01:59 06.11 -0.21 AS02 HN 92.9 IAML 01:59 06.86 13 0.18 AS02 HE 92.9 IAML 01:59 07.71 10 0.10 GDLE HZ 102.0 EP 01:58 56.79 0.35 GDLE HE 102.0 IAML 01:59 10.89 25 0.24 GDLE HN 102.0 IAML 01:59 10.94 20 0.16 LBWR HZ 115.0 EP 01:58 58.68 0.28 LBWR HN 115.0 IAML 01:59 13.65 13 0.22 LBWR HE 115.0 IAML 01:59 14.30 14 0.24 AU08 HZ 115.0 EP 01:58 59.26 0.81										July 16 2024 Time: 16:47 35.1 UTC Magnitude: 1.4 ML Lat: 53.408 Lon: -2.820 Depth: 14.0 km Grid Ref: 345.50 kmE 390.47 kmN RMS: 0.20 secs Locality: HUYNTON,MERSEYSIDE Velocity model: Lownet Xnear: 100.0 Xfar: 200.0 STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES AS02 HZ 57.8 EP 16:47 44.98 -0.09 AS02 HN 57.8 ES 16:47 51.98 -0.33 AS02 HN 57.8 IAML 16:47 53.10 14 0.48 AS02 HE 57.8 IAML 16:47 54.70 8 0.43 AR07 HZ 69.7 EP 16:47 47.10 0.21 AR07 HN 69.7 ES 16:47 55.18 -0.29 AR07 HE 69.7 IAML 16:47 56.03 40 0.38 AR07 HN 69.7 IAML 16:47 57.47 30 0.25 LBWR HZ 72.9 EP 16:47 47.55 0.14									

TABLE 2 : PHASE DATA

LBWR	HN	72.9	ES	16:47	56.61			0.25	HLM1	HZ	69.0	EP	07:04	22.30			-0.07		
LBWR	HN	72.9	IAML	16:47	57.46	14	0.26		HLM1	HN	69.0	ES	07:04	30.47			-0.39		
LBWR	HE	72.9	IAML	16:47	57.59	11	0.32		HLM1	HN	69.0	IAML	07:04	30.97	6	0.18			
AR09	HZ	94.4	EP	16:47	50.74			0.06	HLM1	HE	69.0	IAML	07:04	30.98	8	0.18			
AR09	HN	94.4	IAML	16:48	02.97	53	0.28		STRD	HZ	90.6	EP	07:04	26.11			0.44		
AR09	HE	94.4	IAML	16:48	03.01	58	0.30		STRD	HN	90.6	ES	07:04	36.64			0.07		
HLM1	HZ	99.0	EP	16:47	51.49			0.16	STRD	HN	90.6	IAML	07:04	37.34	11	0.12			
HLM1	HN	99.0	ES	16:48	02.83			-0.32	STRD	HE	90.6	IAML	07:04	37.41	10	0.24			
HLM1	HE	99.0	IAML	16:48	03.46	10	0.24		LBWR	HN	93.0	ES	07:04	37.71			0.44		
HLM1	HN	99.0	IAML	16:48	04.89	10	0.12		LBWR	HN	93.0	IAML	07:04	38.86	3	0.12			
AP12	HZ	105.0	EP	16:47	52.11			0.02	LBWR	HE	93.0	IAML	07:04	41.92	5	0.22			
AP12	HE	105.0	ES	16:48	04.27			-0.19	MCH1	HZ	100.0	EP	07:04	27.10			-0.04		
AP12	HN	105.0	IAML	16:48	07.09	4	0.48		MCH1	HE	100.0	IAML	07:04	42.68	2	0.12			
AP12	HE	105.0	IAML	16:48	08.49	4	0.30		MCH1	HN	100.0	IAML	07:04	43.55	2	0.14			
CTON	HZ	111.0	EP	16:47	53.10			0.12	MONM	HZ	104.0	EP	07:04	27.69			0.03		
CTON	HE	111.0	ES	16:48	06.12			0.12	MONM	HE	104.0	ES	07:04	40.03			0.02		
CTON	HE	111.0	IAML	16:48	07.34	10	0.34		MONM	HE	104.0	IAML	07:04	41.30	3	0.17			
CTON	HN	111.0	IAML	16:48	07.91	15	0.26		MONM	HN	104.0	IAML	07:04	41.38	3	0.14			
WPS	HZ	112.0	EP	16:47	53.13			0.09											
WPS	HN	112.0	IAML	16:48	06.99	8	0.46		July 21 2024 Time: 15:26 00.2 UTC Magnitude: 2.0 ML										
WPS	HE	112.0	IAML	16:48	07.53	7	0.10		Lat: 53.422 Lon: -4.148 Depth: 10.7 km										
AQ12	HZ	115.0	EP	16:47	53.60			0.05	Grid Ref: 257.28 kmE 393.87 kmN RMS: 0.40 secs										
AQ12	HE	115.0	IAML	16:48	07.73	12	0.20		Locality: IRISH SEA										
AQ12	HN	115.0	IAML	16:48	07.76	6	0.30		Velocity model: Lownet Xnear: 150.0 Xfar: 300.0										
CWF	HE	126.0	IAML	16:48	11.21	4	0.12		Comment: FELT LLANGFNFI... Intensity: 3										
CWF	HN	126.0	IAML	16:48	11.29	7	0.30		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KESW	HZ	133.0	EP	16:47	56.26			0.14	WLF1	HZ	22.2	IP	C		15:26	04.60			0.04
KESW	HN	133.0	IAML	16:48	11.75	5	0.30		WLF1	HN	22.2	ES			15:26	07.27			-0.48
KESW	HE	133.0	IAML	16:48	12.41	8	0.52		WLF1	HN	22.2	IAML			15:26	07.61	296	0.24	
AT10	HN	152.0	IAML	16:48	19.00	13	0.34		WLF1	HE	22.2	IAML			15:26	07.83	242	0.18	
AT10	HE	152.0	IAML	16:48	20.04	7	0.30		WPS	HZ	23.4	IP	C		15:26	05.11			0.37
RSBS	HE	208.0	IAML	16:48	34.24	2	0.69		WPS	HN	23.4	ES			15:26	07.90			-0.15
RSBS	HN	208.0	IAML	16:48	40.44	3	1.26		WPS	HE	23.4	IAML			15:26	08.04	216	0.15	
									WPS	HN	23.4	IAML			15:26	08.14	210	0.13	
July 18 2024 Time: 18:21 36.3 UTC Magnitude: 1.1 ML									LLW	BZ	71.5	IP	D		15:26	12.21			0.04
Lat: 54.096 Lon: -2.919 Depth: 2.6 km									LLW	BN	71.5	ES			15:26	20.56			-0.34
Grid Ref: 339.91 kmE 467.09 kmN RMS: 0.30 secs									IOMK	HZ	97.3	EP			15:26	16.80			0.64
Locality: MORECAMBE BAY									IOMK	HE	97.3	ES			15:26	28.39			0.57
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0									IOMK	HN	97.3	IAML			15:26	29.03	43	0.61	
Comment: 5KM NW MORECAMBE									IOMK	HE	97.3	IAML			15:26	29.49	59	0.28	
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	AP12	HZ	115.0	EP					0.10
AR07	HZ	32.1	IP	C		18:21	42.15			-0.05	AP12	HN	115.0	ES					-0.05
AR07	HN	32.1	ES			18:21	46.18			-0.36	AP12	HE	115.0	IAML					
AR07	HE	32.1	IAML			18:21	46.64	42	0.20		AP12	HN	115.0	IAML					
AR07	HN	32.1	IAML			18:21	46.74	65	0.42		HLM1	HZ	132.0	IP	D				0.55
AP12	HZ	32.9	IP	D		18:21	42.43			0.10	HLM1	HN	132.0	IAML					
AP12	HE	32.9	ES			18:21	46.57			-0.20	HLM1	HE	132.0	IAML					
AP12	HE	32.9	IAML			18:21	46.96	11	0.18		AR09	HZ	144.0	IP	D				-0.08
AP12	HN	32.9	IAML			18:21	47.15	16	0.10		AR09	HN	144.0	ES					-0.20
AR09	HZ	34.4	IP	C		18:21	42.74			0.11	AQ12	HZ	145.0	EP					-0.45
AR09	HE	34.4	ES			18:21	47.10			-0.18	AQ12	HN	145.0	IAML					
AR09	HN	34.4	IAML			18:21	47.22	93	0.28		AQ12	HE	145.0	IAML					
AR09	HE	34.4	IAML			18:21	47.50	58	0.20		LPW	HZ	146.0	EP					0.27
AQ12	HZ	39.5	IP	D		18:21	43.64			0.17	LPW	HE	146.0	ES					0.26
AQ12	HE	39.5	ES			18:21	48.29			-0.45	KESW	HZ	147.0	EP					-0.37
AQ12	HE	39.5	IAML			18:21	48.64	51	0.22		KESW	HN	147.0	IAML					
AQ12	HN	39.5	IAML			18:21	48.79	24	0.10		KESW	HE	147.0	IAML					
KESW	HZ	56.1	IP	C		18:21	46.35			0.16	DSB	HZ	150.0	EP					-0.55
KESW	HE	56.1	IAML			18:21	54.21	5	0.22		AR05	HZ	154.0	EP					-0.13
KESW	HN	56.1	IAML			18:21	55.82	5	0.56		AR05	HN	154.0	IAML					
AR05	HZ	60.1	EP			18:21	46.89			0.09	AR05	HE	154.0	IAML					
AR05	HE	60.1	IAML			18:21	54.96	14	0.82		ILTH	HZ	159.0	EP					0.24
AR05	HN	60.1	IAML			18:21	57.67	16	0.38		ILTH	HN	159.0	ES					0.18
CTON	HZ	66.4	EP			18:21	47.80			-0.00	ILTH	HE	159.0	IAML					
CTON	HN	66.4	IAML			18:21	56.86	8	0.22		ILTH	HN	159.0	IAML					
CTON	HE	66.4	IAML			18:21	56.98	8	0.20		GALL	HZ	165.0	EP					-0.30
WINS	HN	87.1	IAML			18:22	03.41	15	0.18		GALL	HN	165.0	IAML					
WINS	HE	87.1	IAML			18:22	05.66	21	0.20		GALL	HE	165.0	IAML					
EDMD	HZ	103.0	EP			18:21	53.96			0.61	RSBS	HZ	168.0	EP					-0.01
EDMD	HE	103.0	ES			18:22	05.81			-0.02	RSBS	HN	168.0	IAML					
EDMD	HN	103.0	IAML			18:22	07.40	14	0.20		RSBS	HE	168.0	IAML					
EDMD	HE	103.0	IAML			18:22	08.76	12	0.16		CTON	HZ	172.0	EP					-0.51
LBWR	HZ	110.0	EP			18:21	54.99			0.38	CTON	HE	172.0	IAML					
LBWR	HE	110.0	IAML			18:22	10.14	9	0.36		CTON	HN	172.0	IAML					
LBWR	HN	110.0	IAML			18:22	11.28	10	0.24		MCH1	HZ	177.0	EP					0.74
WLF1	HZ	133.0	EP			18:21	57.82			-0.19	MCH1	HE	177.0	IAML					
WLF1	HN	133.0	ES			18:22	13.54			-0.35	MCH1	HN	177.0	IAML					
WLF1	HE	133.0	IAML			18:22	14.70	2	0.16		NEWG	HZ	189.0	EP					-0.35
WLF1	HN	133.0	IAML			18:22	16.72	2	0.46		NEWG	HN	189.0	IAML					
ESK	HZ	137.0	EP			18:21	58.68			-0.01	NEWG	HE	189.0	IAML					
ESK	HN	137.0	IAML			18:22	16.57	2	0.46		WINS	HZ	197.0	EP					-0.09
ESK	HE	137.0	IAML			18:22	17.70	2	0.38		WINS	HE	197.0	ES					0.77
									WINS	HE	197.0	IAML			15:26	58.04	40	0.24	
July 21 2024 Time: 07:04 10.7 UTC Magnitude: 0.8 ML									WINS	HN	197.0	IAML			15:27	00.35	34	0.19	
Lat: 52.570 Lon: -1.867 Depth: 9.9 km									MONM	HZ									

TABLE 2 : PHASE DATA

July 22 2024										Time: 06:16 19.2 UTC										Magnitude: 0.6 ML										PITL										HE										111.0										IAML										18:45										39.77										2										0.05																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Lat: 55.800										Lon: -6.092										Depth: 7.6 km										GALL										HZ										119.0										EP										18:45										22.62																				0.56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Grid Ref: 143.58 kmE										663.88 kmN										RMS: 0.30 secs										GALL										HE										119.0										IAML										18:45										38.02										3										0.18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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TABLE 2 : PHASE DATA

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GVIE	HN	50.5	IAML			21:10	55.03	4	0.10	
GVIE	HE	50.5	IAML			21:10	55.10	4	0.14	
LAWE	HZ	56.5	IP		D	21:10	45.16			-0.09
LAWE	HN	56.5	ES			21:10	52.02			-0.25
LAWE	HN	56.5	IAML			21:10	53.28	3	0.18	
LAWE	HE	56.5	IAML			21:10	57.01	5	0.18	
INVG	HZ	61.5	EP			21:10	45.99			-0.06
INVG	HN	61.5	IAML			21:10	54.46	2	0.21	
INVG	HE	61.5	IAML			21:10	58.48	3	0.09	
EAB	HZ	66.7	EP			21:10	46.99			0.14
EAB	HN	66.7	ES			21:10	55.06			0.00
EAB	HE	66.7	IAML			21:10	59.63	7	0.12	
EAB	HN	66.7	IAML			21:10	59.69	8	0.17	
PITL	HZ	82.2	EP			21:10	49.57			0.30
PITL	HN	82.2	ES			21:10	58.76			-0.47
PITL	HE	82.2	IAML			21:11	03.09	9	0.06	
PITL	HN	82.2	IAML			21:11	03.85	7	0.09	
KPL	HZ	84.6	EP			21:10	49.71			0.14
KPL	HN	84.6	IAML			21:11	01.01	2	0.43	
KPL	HE	84.6	IAML			21:11	04.07	4	0.16	
TARL	HZ	135.0	EP			21:10	58.46			1.13
TARL	HN	135.0	IAML			21:11	15.18	9	0.14	
TARL	HE	135.0	IAML			21:11	16.64	9	0.17	
MCD	HZ	141.0	EP			21:10	59.48			1.26
MCD	HN	141.0	IAML			21:11	17.95	3	0.26	
MCD	HE	141.0	IAML			21:11	18.31	3	0.25	
ESK	HZ	187.0	EP			21:11	05.59			1.24
ESK	HE	187.0	IAML			21:11	29.99	1	0.36	
ESK	HN	187.0	IAML			21:11	30.56	2	0.29	

August 6 2024 Time: 09:33 08.6 UTC Magnitude: 0.8 ML
 Lat: 54.055 Lon: -1.403 Depth: 12.2 km
 Grid Ref: 439.08 kmE 462.30 kmN RMS: 0.10 secs
 Locality: ARKENDALE,N YORKSHIRE
 Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
HPK	HZ	18.1	EP			09:33	13.28			-0.13
HPK	HE	18.1	ES			09:33	17.13			0.21
HPK	HE	18.1	IAML			09:33	17.36	9	0.08	
HPK	HN	18.1	IAML			09:33	17.92	12	0.18	
AU07	HZ	29.7	EP			09:33	14.68			-0.05
AT10	HN	38.0	ES			09:33	21.16			-0.02
AT10	HE	38.0	IAML			09:33	21.73	20	0.32	
AT10	HN	38.0	IAML			09:33	21.91	8	0.21	
AR05	HZ	41.0	EP			09:33	16.16			-0.10
AR05	HE	41.0	ES			09:33	21.72			-0.13
AR05	HN	41.0	IAML			09:33	22.51	5	0.18	
AR05	HE	41.0	IAML			09:33	23.42	6	0.20	
CTON	HZ	41.4	EP			09:33	16.26			-0.08
CTON	HE	41.4	ES			09:33	21.93			-0.06
CTON	HE	41.4	IAML			09:33	22.03	15	0.10	
CTON	HN	41.4	IAML			09:33	22.08	8	0.11	
AU08	HZ	49.1	EP			09:33	17.35			-0.02
AR07	HZ	69.5	EP			09:33	20.36			0.10
AR07	HE	69.5	IAML			09:33	30.49	6	0.24	
AR07	HN	69.5	IAML			09:33	30.56	5	0.13	
LBWR	HZ	75.8	EP			09:33	21.26			0.08
LBWR	HN	75.8	ES			09:33	30.30			-0.06
LBWR	HE	75.8	IAML			09:33	31.44	6	0.09	
LBWR	HN	75.8	IAML			09:33	31.96	6	0.28	
EDMD	HZ	93.7	EP			09:33	23.79			0.13
EDMD	HE	93.7	IAML			09:33	34.96	4	0.20	
EDMD	HN	93.7	IAML			09:33	35.16	6	0.31	
AQ12	HZ	97.7	EP			09:33	24.43			0.12
AQ12	HN	97.7	IAML			09:33	37.10	3	0.06	
AQ12	HE	97.7	IAML			09:33	37.37	2	0.06	

August 3 2024 Time: 00:59 53.2 UTC Magnitude: 0.6 ML
 Lat: 56.748 Lon: -5.659 Depth: 7.6 km
 Grid Ref: 176.31 kmE 767.78 kmN RMS: 0.20 secs
 Locality: POLLOCH,HIGHLAND
 Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	56.7	IP		C	01:00	02.98			0.12
LAWE	HE	56.7	ES			01:00	09.60			-0.30
LAWE	HE	56.7	IAML			01:00	09.83	3	0.23	
LAWE	HN	56.7	IAML			01:00	10.24	2	0.12	
KPL	HZ	65.8	EP			01:00	04.29			0.04
KPL	HN	65.8	IAML			01:00	15.56	3	0.16	
KPL	HE	65.8	IAML			01:00	15.85	4	0.10	
GVIE	HZ	77.6	EP			01:00	05.86			-0.36
EAB	HZ	103.0	EP			01:00	10.38			0.38
EAB	HN	103.0	IAML			01:00	24.54	2	0.10	
EAB	HE	103.0	IAML			01:00	24.60	2	0.09	
INVG	HZ	106.0	EP			01:00	10.54			0.08
INVG	HE	106.0	ES			01:00	23.02			-0.03
INVG	HN	106.0	IAML			01:00	24.64	2	0.12	
INVG	HE	106.0	IAML			01:00	25.14	3	0.10	
PITL	HZ	126.0	EP			01:00	13.88			0.21
PITL	HN	126.0	IAML			01:00	29.51	1	0.11	
PITL	HE	126.0	IAML			01:00	29.95	2	0.13	
LINV	HZ	158.0	EP			01:00	18.05			-0.11

August 6 2024 Time: 21:16 37.0 UTC Magnitude: 1.3 ML
 Lat: 52.931 Lon: -0.448 Depth: 7.6 km
 Grid Ref: 504.31 kmE 338.23 kmN RMS: 0.10 secs
 Locality: OSBOURNBY,LINCOLNSHIRE
 Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LMK	HZ	59.1	EP			21:16	47.04			0.01
LMK	HE	59.1	ES			21:16	54.33			-0.02
LMK	HE	59.1	IAML			21:16	54.65	31	0.19	
LMK	HN	59.1	IAML			21:16	55.30	34	0.30	
CWF	HZ	61.8	EP			21:16	47.52			0.06
CWF	HN	61.8	ES			21:16	55.00			-0.09
CWF	HN	61.8	IAML			21:16	55.49	6	0.12	
CWF	HE	61.8	IAML			21:16	56.13	4	0.10	
WACR	HZ	76.1	EP			21:16	49.70			0.05
WACR	HN	76.1	ES			21:16	58.75			-0.13
WACR	HE	76.1	IAML			21:16	59.85	12	0.14	
WACR	HN	76.1	IAML			21:17	00.52	14	0.25	
LBWR	HZ	100.0	EP			21:16	53.66			0.22
LBWR	HE	100.0	ES			21:17	05.20			-0.24
LBWR	HN	100.0	IAML			21:17	05.84	18	0.40	
LBWR	HE	100.0	IAML			21:17	05.93	20	0.38	
AS02	HZ	124.0	EP			21:16	57.29			0.19
AU08	HZ	134.0	EP			21:16	58.25			-0.20
AU08	HE	134.0	IAML			21:17	15.82	5	0.13	
AU08	HN	134.0	IAML			21:17	16.22	6	0.22	
AU07	HZ	136.0	EP			21:16	58.98			0.23
HLM1	HZ	171.0	EP			21:17	03.73			-0.00
HLM1	HN	171.0	IAML			21:17	24.15	2	0.23	
HLM1	HE	171.0	IAML			21:17	24.82	3	0.16	
MONM	HE	201.0	IAML			21:17	32.26	5	0.18	
MONM	HN	201.0	IAML			21:17	32.28	7	0.22	
MCH1	HZ	202.0	EP			21:17	07.21			-0.41
MCH1	HE	202.0	IAML			21:17	31.72	3	0.28	
MCH1	HN	202.0	IAML			21:17	33.04	2	0.12	

August 3 2024 Time: 21:11 03.6 UTC Magnitude: 0.6 ML
 Lat: 56.662 Lon: -5.227 Depth: 7.6 km
 Grid Ref: 202.25 kmE 756.89 kmN RMS: 0.20 secs
 Locality: GLENACHULISH,HIGHLAND
 Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	45.9	EP			21:11	11.50			-0.10
LAWE	HN	45.9	ES			21:11	17.42			-0.01
LAWE	HE	45.9	IAML			21:11	18.19	4	0.10	
LAWE	HN	45.9	IAML			21:11	18.27	2	0.08	
GVIE	HZ	63.6	EP			21:11	14.02			-0.43
GVIE	HN	63.6	IAML			21:11	24.96	2	0.07	
GVIE	HE	63.6	IAML			21:11	25.04	3	0.10	
EAB	HZ	76.1	EP			21:11	16.62			0.32
EAB	HN	76.1	ES			21:11	25.42			-0.14
EAB	HE	76.1	IAML			21:11	25.89	2	0.16	
EAB	HN	76.1	IAML			21:11	25.92	2	0.16	
INVG	HZ	77.3	EP			21:11	16.44			-0.05
INVG	HN	77.3	IAML			21:11	28.37	3	0.22	
INVG	HE	77.3	IAML			21:11	29.02	3	0.18	
KPL	HZ	79.8	EP			21:11	16.95			0.13
KPL	HN	79.8	IAML			21:11	29.74	3	0.14	
KPL	HE	79.8	IAML			21:11	29.98	3	0.14	
PITL	HZ	101.0	EP			21:11	20.49			0.26
PITL	HE	101.0	IAML			21:11	33.89	3	0.15	
PITL	HN	101.0	IAML			21:11	36.30	3	0.06	
TARL	HN	154.0	IAML			21:11	48.06	4	0.17	

August 9 2024 Time: 08:15 44.6 UTC Magnitude: 0.9 ML
 Lat: 55.233 Lon: -2.772 Depth: 17.3 km
 Grid Ref: 350.91 kmE 593.48 kmN RMS: 0.10 secs
 Locality: HERMITAGE,BORDERS
 Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
EKA	BZ	27.0	EP			08:15	50.05			-0.06
ESK	HZ	29.0	IP							

TABLE 2 : PHASE DATA

AQ12	HE	88.6	IAML	08:16	10.51	4	0.07				ESK	HN	71.3	IAML	21:38	38.32	4	0.18																					
AQ12	HN	88.6	IAML	08:16	10.54	4	0.08				ESK	HE	71.3	IAML	21:38	38.32	4	0.18																					
NEWG	HZ	93.8	EP	08:15	59.80			0.02			CTON	HZ	74.0	EP	21:38	30.14			0.09																				
NEWG	HN	93.8	ES	08:16	10.86			-0.00			AR07	HZ	84.7	EP	21:38	32.15			0.48																				
NEWG	HN	93.8	IAML	08:16	11.53	2	0.14				AR07	HN	84.7	IAML	21:38	43.82	9	0.19																					
NEWG	HE	93.8	IAML	08:16	11.78	2	0.32				AR07	HE	84.7	IAML	21:38	44.52	12	0.23																					
August 9 2024										Time: 20:28 36.5 UTC										Magnitude: 2.7 ML																			
Lat: 55.182										Lon: 4.434										Depth: 10.8 km																			
Grid Ref: 809.37 kmE										606.43 kmN										RMS: 0.40 secs																			
Locality: CENTRAL NORTH SEA																																							
Velocity model: North Sea										Xnear: 500.0										Xfar: 1000.0																			
Comment: 325KM NE CROMER																																							
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES	August 10 2024										Time: 04:06 46.1 UTC										Magnitude: 0.6 ML									
										Lat: 53.413										Lon: -2.522										Depth: 9.0 km									
										Grid Ref: 365.31 kmE										390.84 kmN										RMS: 0.10 secs									
										Locality: WARRINGTON, CHESHIRE																													
										Velocity model: Lownet										Xnear: 100.0										Xfar: 200.0									
GDLE	HZ	348.0	EP		20:29	24.75			0.55	STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES																				
GDLE	HN	348.0	ES		20:29	59.50			0.50	AS02	HZ	38.9	EP		04:06	52.97			-0.07																				
GDLE	HE	348.0	IAML		20:30	01.06	17	0.29		AS02	HE	38.9	ES		04:06	58.08			-0.03																				
GDLE	HN	348.0	IAML		20:30	02.66	21	0.22		AS02	HN	38.9	IAML		04:06	58.66	4	0.32																					
AU08	HZ	349.0	EP		20:29	24.35			-0.01	AS02	HE	38.9	IAML		04:06	58.81	3	0.09																					
AU08	HE	349.0	ES		20:30	00.27			1.00	LBWR	HZ	53.0	EP		04:06	55.36			0.12																				
LMK	HZ	364.0	EP		20:29	26.19			-0.04	LBWR	HE	53.0	ES		04:07	01.89			-0.02																				
LMK	HN	364.0	ES		20:30	02.76			0.26	LBWR	HE	53.0	IAML		04:07	02.56	5	0.07																					
LMK	HE	364.0	IAML		20:30	07.39	18	0.47		LBWR	HN	53.0	IAML		04:07	02.58	4	0.09																					
LMK	HN	364.0	IAML		20:30	08.24	25	0.38		HLM1	HZ	102.0	EP		04:07	02.87			-0.03																				
WACR	HZ	370.0	EP		20:29	26.93			-0.04	HLM1	HN	102.0	ES		04:07	15.15			-0.02																				
WACR	HE	370.0	ES		20:30	03.74			-0.04	HLM1	HN	102.0	IAML		04:07	15.39	3	0.15																					
WACR	HE	370.0	IAML		20:30	05.27	10	0.16		HLM1	HE	102.0	IAML		04:07	16.43	3	0.19																					
WACR	HN	370.0	IAML		20:30	05.80	18	0.08		WLF1	HZ	126.0	EP		04:07	06.51			0.20																				
AT10	HZ	372.0	EP		20:29	27.47			0.26	WLF1	HN	126.0	ES		04:07	21.09			0.03																				
AT10	HN	372.0	ES		20:30	04.53			0.33	WLF1	HN	126.0	IAML		04:07	21.49	2	0.24																					
AT10	HN	372.0	IAML		20:30	06.28	24	0.21		WLF1	HE	126.0	IAML		04:07	21.78	1	0.21																					
AT10	HE	372.0	IAML		20:30	06.39	23	0.27		WPS	HZ	131.0	EP		04:07	07.20			0.06																				
EDMD	HZ	411.0	EP		20:29	32.11			0.10	WPS	HN	131.0	ES		04:07	22.29			-0.21																				
EDMD	HE	411.0	ES		20:30	12.50			0.00	WPS	HE	131.0	IAML		04:07	23.24	2	0.09																					
EDMD	HN	411.0	IAML		20:30	12.80	30	0.23		WPS	HN	131.0	IAML		04:07	23.58	1	0.12																					
EDMD	HE	411.0	IAML		20:30	13.34	40	0.17		August 11 2024										Time: 02:26 27.6 UTC										Magnitude: 0.3 ML									
AR05	HZ	438.0	EP		20:29	35.17			-0.16	Lat: 54.746										Lon: -2.703										Depth: 7.6 km									
AR05	HN	438.0	IAML		20:30	21.05	13	0.20		Grid Ref: 354.75 kmE										539.24 kmN										RMS: 0.20 secs									
AR05	HE	438.0	IAML		20:30	21.87	12	0.18		Locality: LAZONBY, CUMBRIA																													
LBWR	HZ	447.0	EP		20:29	35.93			-0.60	Velocity model: Lownet										Xnear: 100.0										Xfar: 200.0									
LBWR	HN	447.0	ES		20:30	19.30			-1.03	STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES																				
LBWR	HE	447.0	IAML		20:30	22.91	9	0.28		KESW	HZ	31.3	EP		02:26	33.35			0.03																				
LBWR	HN	447.0	IAML		20:30	22.91	10	0.09		KESW	HE	31.3	ES		02:26	37.60			0.09																				
ESY	HZ	452.0	EP		20:29	37.35			0.20	KESW	HE	31.3	IAML		02:26	37.92	3	0.11																					
ESY	HE	452.0	ES		20:30	21.11			-0.29	KESW	HN	31.3	IAML		02:26	38.12	3	0.08																					
ESY	HE	452.0	IAML		20:30	21.74	9	0.47		AQ12	HZ	34.5	IP	D	02:26	33.89			0.04																				
ESY	HN	452.0	IAML		20:30	23.25	9	0.47		AQ12	HN	34.5	ES		02:26	38.20			-0.22																				
AR07	HZ	465.0	EP		20:29	38.89			0.21	AQ12	HN	34.5	IAML		02:26	38.30	6	0.07																					
AR07	HN	465.0	IAML		20:30	26.36	11	0.27		AQ12	HE	34.5	IAML		02:26	38.37	8	0.06																					
AR07	HE	465.0	IAML		20:30	28.54	14	0.28		EDMD	HZ	48.6	EP		02:26	36.05			0.10																				
AQ12	HZ	469.0	EP		20:29	38.92			-0.36	EDMD	HN	48.6	ES		02:26	41.81			-0.25																				
AQ12	HE	469.0	IAML		20:30	26.25	6	0.14		EDMD	HN	48.6	IAML		02:26	42.00	8	0.10																					
AQ12	HN	469.0	IAML		20:30	28.06	5	0.20		EDMD	HE	48.6	IAML		02:26	42.30	2	0.17																					
DRUM	HZ	472.0	EP		20:29	40.10			0.48	AP12	HZ	60.7	EP		02:26	37.90			0.03																				
DRUM	HE	472.0	IAML		20:30	27.90	10	0.12		AP12	HN	60.7	ES		02:26	45.18			-0.21																				
DRUM	HN	472.0	IAML		20:30	30.55	7	0.15		AP12	HN	60.7	IAML		02:26	45.40	2	0.16																					
ESK	HZ	486.0	EP		20:29	40.86			-0.47	AP12	HE	60.7	IAML		02:26	45.62	2	0.12																					
ESK	HE	486.0	ES		20:30	28.05			-0.58	ESK	HZ	71.2	EP		02:26	39.74			0.23																				
ESK	HE	486.0	IAML		20:30	28.69	8	0.13		ESK	HE	71.2	ES		02:26	47.86			-0.35																				
ESK	HN	486.0	IAML		20:30	29.44	6	0.18		ESK	HN	71.2	IAML		02:26	48.36	1	0.44																					
EDI	HZ	488.0	EP		20:29	41.84			0.28	ESK	HE	71.2	IAML		02:26	48.37	1	0.16																					
EAB	HZ	563.0	EP		20:29	51.10			0.23	EKA	BZ	71.6	EP		02:26	39.82			0.23																				
GAL1	HZ	586.0	EP		20:29	52.86			-0.84	CTON	HZ	73.9	EP		02:26	40.24			0.28																				
GAL1	HN	586.0	ES		20:30	49.81			-0.23	CTON	HE	73.9	IAML		02:26	49.42	2	0.20																					
GAL1	HN	586.0	IAML		20:30	51.49	5	0.24		CTON	HN	73.9	IAML		02:26	51.07	2	0.10																					
GAL1	HE	586.0	IAML		20:30	52.68	3	0.40		August 12 2024										Time: 19:08 36.5 UTC										Magnitude: 0.9 ML									
August 9 2024										Time: 21:38 17.7 UTC										Magnitude: 1.0 ML																			
Lat: 54.742										Lon: -2.712										Depth: 7.6 km																			
Grid Ref: 354.17 kmE										538.80 kmN										RMS: 0.30 secs																			
Locality: LAZONBY, CUMBRIA																																							
Velocity model: Lownet										Xnear: 100.0										Xfar: 200.0																			
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES	August 12 2024										Time: 19:08 36.5 UTC										Magnitude: 0.9 ML									
										Lat: 56.294										Lon: -5.898										Depth: 2.6 km									
										Grid Ref: 158.83 kmE										718.10 kmN										RMS: 0.20 secs									
										Locality: MULL, ARGYLL & BUTE																													
										Velocity model: Lownet										Xnear: 100.0										Xfar: 200.0									
KESW	HZ	30.6	EP		21:38	23.27			-0.02	STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES																				
KESW	HN	30.6	ES		21:38	27.44			0.04	LAW	HZ	31.1	IP	C	19:08	42.26			-0.03																				
KESW	HE	30.6	IAML		21:38	27.80	7	0.36		LAW	HN	31.1	ES		19:08	46.16			-0.33																				
KESW	HN	30.6	IAML		21:38	27.87	5	0.08		LAW	HN	31.1	IAML		19:08	46.40	12	0.12																					
AQ12	HZ	34.1	EP		21:38	23.88			0.02	LAW	HE	31.1	IAML		19:08	46.55	6	0.22																					
AQ12	HE	34.1	ES		21:38	28.21			-0.17	EAB	HZ	97.5	EP		19:08	53.14			0.27																				
AQ12	HN	34.1	IAML		21:38	28.28	26	0.08		EAB	HE	97.5	IAML		19:09	08.02	5	0.10																					
AQ12	HE	34.1	IAML		21:38	28.33	29	0.08		EAB	HN	97.5	IAML		19:09	08.14	6	0.32																					
EDMD	HZ	49.2	EP		21:38	26.05			-0.08	PGB1	HN	103.0	ES		19:09	06.48			0.18																				
EDMD	HN	49.2	ES		21:38	31.75			-0.56	INVG	HZ	116.0	EP		19:08	55.84			0.16																				
EDMD	HN	49.2	IAML		21:38	32.00	21	0.11		INVG	HN	116.0	IAML		19:09	11.40	2	0.16																					
EDMD	HE	49.2	IAML		21:38	32.18	10	0.16		INVG	HE	116.0	IAML		19:09	11.44	3	0.09																					
AP12	HZ	60.0	EP		21:38	27.87			0.02	GVIE	HZ	122.0	EP		19:08	56.51			-0.19																				
AP12	HE	60.0	ES		21:38	34.81			-0.48	GVIE	HE	122.0	IAML		19:09	12.35	4	0.42																					
AP12	HE	60.0	IAML		21:38																																		

TABLE 2 : PHASE DATA

PITL	HN	153.0	IAML		19:09	22.91	2	0.10			DSB	HZ	204.0	EP		23:11	10.20		0.53		
GALL	HZ	176.0	EP		19:09	03.93			-0.46		CLGH	HZ	242.0	EP		23:11	13.88		-0.65		
											IWEX	HZ	267.0	EP		23:11	17.24		-0.32		
August 12 2024			Time: 23:10	38.4	UTC			Magnitude: 2.2	ML		EAB	HZ	294.0	EP		23:11	20.21		-0.79		
Lat: 53.607			Lon: -3.370					Depth: 3.8	km		LAW	HZ	323.0	EP		23:11	23.81		-0.74		
Grid Ref: 309.36			kmE	413.17	kmN			RMS: 0.40	secs												
Locality: IRISH SEA											August 15 2024			Time: 22:04	58.3	UTC		Magnitude: 1.4	ML		
Velocity model: Lownet			Xnear: 100.0		Xfar: 400.0						Lat: 51.800			Lon: -3.055			Depth: 18.5	km			
Comment: 24KM WEST SOUTHPORT											Grid Ref: 327.26			kmE	211.84	kmN		RMS: 0.20	secs		
											Locality: ABERGAVENNY, GWENT										
											Velocity model: Lownet			Xnear: 100.0		Xfar: 200.0					
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AR07	HZ	74.0	EP			23:10	50.82			-0.24	MONM	HZ	17.8	EP			22:05	02.78			0.06
AR07	HE	74.0	ES			23:11	00.23			-0.04	MONM	HE	17.8	ES			22:05	05.88			-0.06
AR07	HN	74.0	IAML			23:11	01.65				MONM	HE	17.8	IAML			22:05	06.52	58	0.11	
AR07	HE	74.0	IAML			23:11	02.00	236	0.35		MONM	HN	17.8	IAML			22:05	06.58	50	0.18	
WLF1	HZ	76.8	EP			23:10	51.09			-0.38	MCH1	HZ	22.3	EP			22:05	03.18			-0.10
WLF1	HN	76.8	ES			23:11	01.00			0.03	MCH1	HE	22.3	ES			22:05	06.98			0.08
WLF1	HN	76.8	IAML			23:11	04.35	24	0.29		MCH1	HN	22.3	IAML			22:05	07.12	86	0.10	
WLF1	HE	76.8	IAML			23:11	05.97	24	0.08		MCH1	HE	22.3	IAML			22:05	07.12	39	0.09	
WPS	HZ	78.3	EP			23:10	51.50			-0.19	STRD	HZ	61.6	EP			22:05	09.02			0.17
WPS	HN	78.3	ES			23:11	01.59			0.23	STRD	HN	61.6	ES			22:05	16.55			0.02
WPS	HN	78.3	IAML			23:11	02.57	44	0.31		STRD	HE	61.6	IAML			22:05	17.26	31	0.20	
WPS	HE	78.3	IAML			23:11	02.78	25	0.33		STRD	HN	61.6	IAML			22:05	17.64	25	0.16	
AP12	HZ	78.5	EP			23:10	51.81			0.05	HLM1	HZ	80.8	EP			22:05	11.41			-0.22
AP12	HE	78.5	ES			23:11	01.27			-0.20	HLM1	HE	80.8	ES			22:05	21.18			-0.17
AP12	HE	78.5	IAML			23:11	03.87	30	0.14		HLM1	HN	80.8	IAML			22:05	24.02	12	0.12	
AP12	HN	78.5	IAML			23:11	04.03	22	0.08		HLM1	HE	80.8	IAML			22:05	24.05	13	0.14	
LLW	BZ	86.6	EP			23:10	52.54			-0.47	HEX	HZ	96.8	EP			22:05	14.00			0.12
AS02	HZ	91.9	EP			23:10	53.98			0.13	HEX	HE	96.8	ES			22:05	25.14			-0.10
AS02	HE	91.9	ES			23:11	04.52			-0.57	HEX	HE	96.8	IAML			22:05	26.21	15	0.27	
AS02	HN	91.9	IAML			23:11	06.57	28	0.29		HEX	HN	96.8	IAML			22:05	28.27	14	0.47	
AS02	HE	91.9	IAML			23:11	07.42	20	0.21		RSBS	HZ	118.0	EP			22:05	16.88			0.01
AR09	HZ	92.0	EP			23:10	53.79			-0.11	RSBS	HN	118.0	IAML			22:05	32.12	8	0.07	
AR09	HE	92.0	ES			23:11	05.03			-0.15	RSBS	HE	118.0	IAML			22:05	32.20	11	0.10	
AR09	HN	92.0	IAML			23:11	07.58	249	0.29		LLW	BN	124.0	ES			22:05	32.34			0.42
AR09	HE	92.0	IAML			23:11	07.73	313	0.21		DYA	HZ	164.0	EP			22:05	22.75			-0.42
AR05	HZ	98.8	EP			23:10	54.90			-0.01											
AR05	HN	98.8	ES			23:11	06.91			-0.01											
AR05	HE	98.8	IAML			23:11	09.91	142	0.23												
AR05	HN	98.8	IAML			23:11	11.17	116	0.19												
AQ12	HZ	101.0	EP			23:10	55.27			0.02	August 16 2024			Time: 23:56	14.1	UTC		Magnitude: 0.7	ML		
AQ12	HE	101.0	ES			23:11	07.96			0.44	Lat: 53.574			Lon: -2.574			Depth: 14.6	km			
AQ12	HE	101.0	IAML			23:11	09.07	73	0.23		Grid Ref: 362.00			kmE	408.78	kmN		RMS: 0.10	secs		
AQ12	HN	101.0	IAML			23:11	10.12	45	0.23		Locality: ASPULL, GTR MANCHESTER										
AQ12	HN	101.0	IAML			23:11	10.12	45	0.23		Velocity model: Lownet			Xnear: 75.0		Xfar: 100.0					
IOMK	HZ	107.0	EP			23:10	56.36			0.19	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
IOMK	HE	107.0	ES			23:11	09.12			0.00	AS02	HZ	39.0	EP			23:56	21.25			0.10
IOMK	HE	107.0	IAML			23:11	10.79	45	0.49		AS02	HN	39.0	ES			23:56	26.28			-0.05
IOMK	HN	107.0	IAML			23:11	13.17	32	0.18		AS02	HE	39.0	IAML			23:56	26.72	8	0.18	
KESW	HZ	111.0	EP			23:10	57.17			0.42	AS02	HN	39.0	IAML			23:56	26.90	10	0.16	
KESW	HE	111.0	ES			23:11	09.91			-0.19	AR07	HZ	47.6	EP			23:56	22.37			-0.07
KESW	HE	111.0	IAML			23:11	12.81	38	0.45		AR07	HN	47.6	ES			23:56	28.57			0.02
KESW	HN	111.0	IAML			23:11	14.20	33	0.32		AR07	HN	47.6	IAML			23:56	29.19	11	0.22	
LBWR	HZ	112.0	EP			23:10	57.07			0.16	AR07	HE	47.6	IAML			23:56	29.40	12	0.14	
LBWR	HE	112.0	IAML			23:11	14.22	126	0.36		LBWR	HZ	59.5	EP			23:56	24.26			-0.03
LBWR	HN	112.0	IAML			23:11	14.83	72	0.66		LBWR	HE	59.5	IAML			23:56	32.36	3	0.32	
CTON	HZ	118.0	EP			23:10	57.99			0.01	LBWR	HN	59.5	IAML			23:56	33.51	4	0.10	
CTON	HN	118.0	IAML			23:11	13.87	130	0.22		CTON	HZ	86.4	EP			23:56	28.51			0.11
CTON	HE	118.0	IAML			23:11	13.88	144	0.24		CTON	HN	86.4	IAML			23:56	40.72	4	0.24	
HPK	HZ	122.0	EP			23:10	58.53			0.10	CTON	HE	86.4	IAML			23:56	40.84	3	0.09	
HPK	HN	122.0	IAML			23:11	15.93	97	0.22		AQ12	HZ	96.7	EP			23:56	29.91			0.03
HPK	HE	122.0	IAML			23:11	16.93	111	0.26		AQ12	HE	96.7	ES			23:56	41.09			-0.33
HLM1	HZ	126.0	EP			23:10	58.91			-0.18	AQ12	HE	96.7	IAML			23:56	41.78	4	0.22	
HLM1	HE	126.0	IAML			23:11	16.16	23	0.25		AQ12	HN	96.7	IAML			23:56	42.27	2	0.16	
HLM1	HN	126.0	IAML			23:11	17.21	22	0.38												
WINS	HZ	146.0	EP			23:11	02.58			0.62	August 18 2024			Time: 21:14	40.8	UTC		Magnitude: 0.6	ML		
WINS	HE	146.0	IAML			23:11	22.67	162	0.20		Lat: 57.049			Lon: -4.633			Depth: 5.8	km			
WINS	HN	146.0	IAML			23:11	24.26	82	0.30		Grid Ref: 240.30			kmE	798.39	kmN		RMS: 0.20	secs		
EDMD	HZ	164.0	EP			23:11	04.31			-0.29	Locality: MELGARVE, HIGHLAND										
EDMD	HN	164.0	IAML			23:11	26.34	104	0.22		Velocity model: Lownet			Xnear: 100.0		Xfar: 200.0					
EDMD	HE	164.0	IAML			23:11	26.80	80	0.34		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
GALL	HZ	165.0	EP			23:11	04.75			-0.00	GVIE	HZ	7.3	EP			21:14	42.90			0.06
GALL	HE	165.0	IAML			23:11	27.81	11	0.24		GVIE	HN	7.3	ES			21:14	44.15			-0.15
GALL	HN	165.0	IAML			23:11	28.16	11	0.24		GVIE	HN	7.3	IAML			21:14	44.22	53	0.12	
AT12	HZ	166.0	EP			23:11	05.20			0.38	GVIE	HE	7.3	IAML			21:14	44.53	33	0.08	
AT12	HN	166.0	ES			23:11	24.22			0.14	PITL	HZ	68.1	EP			21:14	52.44			0.02
AT12	HE	166.0	IAML			23:11	26.99	140	0.38		PITL	HN	68.1	ES			21:15	00.54			-0.34
AT12	HN	166.0	IAML			23:11	27.66	159	0.60		PITL	HN	68.1	IAML			21:15	04.95	4	0.10	
AT10	HZ	167.0	EP			23:11	05.37			0.30	PITL	HE	68.1	IAML			21:15	05.09	4	0.12	
AT10	HN	167.0	ES			23:11	24.51			0.01	KPL	HZ	69.5	EP			21:14	52.78			0.20
AT10	HN	167.0	IAML			23:11	28.12	60	0.23		KPL	HN	69.5	ES			21:15	00.92			-0.23
AT10	HE	167.0	IAML			23:11	29.35	85	0.45		KPL	HE	69.5	IAML			21:15	04.55	3	0.14	
CWF	HZ	168.0	EP			23:11	06.07			0.84	K										

TABLE 2 : PHASE DATA

August 19 2024 Time: 04:04 19.1 UTC Magnitude: 0.7 ML
 Lat: 57.685 Lon: -4.124 Depth: 7.6 km
 Grid Ref: 273.38 kmE 868.08 kmN RMS: 0.30 secs
 Locality: INVERGORDON,HIGHLAND
 Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
 Comment: CROMARTY FIRTH

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MCD	HZ	53.2	EP			04:04	28.09			-0.20
MCD	HN	53.2	ES			04:04	34.56			-0.41
MCD	HE	53.2	IAML			04:04	34.96	5	0.34	
MCD	HN	53.2	IAML			04:04	35.22	3	0.42	
LINV	HZ	81.7	EP			04:04	32.63			-0.04
LINV	HN	81.7	ES			04:04	42.13			-0.41
LINV	HE	81.7	IAML			04:04	42.52	2	0.33	
LINV	HN	81.7	IAML			04:04	44.98	2	0.25	
BIGH	HZ	90.8	EP			04:04	34.50			0.42
BIGH	HN	90.8	ES			04:04	45.14			0.16
BIGH	HE	90.8	IAML			04:04	46.41	1	0.41	
BIGH	HN	90.8	IAML			04:04	46.61	2	0.64	
TARL	HZ	95.2	EP			04:04	34.72			-0.09
TARL	HE	95.2	IAML			04:04	48.75	7	0.09	
TARL	HN	95.2	IAML			04:04	48.81	7	0.12	
PITL	HZ	102.0	EP			04:04	36.13			0.33
PITL	HE	102.0	IAML			04:04	49.24	4	0.10	
PITL	HN	102.0	IAML			04:04	49.42	2	0.12	
DRUM	HZ	131.0	EP			04:04	40.78			0.54
DRUM	HN	131.0	IAML			04:04	59.40	4	0.23	
DRUM	HE	131.0	IAML			04:04	59.64	4	0.29	

August 26 2024 Time: 22:30 14.9 UTC Magnitude: 0.6 ML
 Lat: 51.810 Lon: -4.012 Depth: 6.8 km
 Grid Ref: 261.31 kmE 214.34 kmN RMS: 0.10 secs
 Locality: AMMANFORD,CARMARTH
 Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
RSBS	HZ	52.9	EP			22:30	24.07			-0.00
RSBS	HE	52.9	ES			22:30	30.68			-0.07
RSBS	HE	52.9	IAML			22:30	30.88	7	0.14	
RSBS	HN	52.9	IAML			22:30	30.90	4	0.18	
MCH1	HZ	72.8	EP			22:30	27.09			-0.06
MCH1	HE	72.8	IAML			22:30	35.89	2	0.36	
MCH1	HN	72.8	ES			22:30	35.96			-0.12
MCH1	HN	72.8	IAML			22:30	39.65	2	0.18	
MONM	HZ	83.3	EP			22:30	28.68			-0.09
MONM	HN	83.3	ES			22:30	38.99			0.12
MONM	HE	83.3	IAML			22:30	39.13	4	0.13	
MONM	HN	83.3	IAML			22:30	39.22	4	0.20	
HEX	HZ	83.9	EP			22:30	28.78			-0.10
HEX	HN	83.9	IAML			22:30	39.26	3	0.10	
HEX	HE	83.9	IAML			22:30	40.93	2	0.10	
HTL	HZ	96.5	EP			22:30	30.93			0.14
HTL	HN	96.5	IAML			22:30	43.02	2	0.22	
HTL	HE	96.5	IAML			22:30	43.03	2	0.09	
HLM1	HZ	111.0	EP			22:30	33.06			0.03
HLM1	HN	111.0	IAML			22:30	48.55	1	0.10	
HLM1	HE	111.0	IAML			22:30	50.81	2	0.16	
FOEL	HZ	132.0	EP			22:30	36.67			0.34
DYA	HE	153.0	IAML			22:30	57.18	2	0.24	
DYA	HN	153.0	IAML			22:30	57.36	2	0.11	

August 27 2024 Time: 17:31 07.5 UTC Magnitude: 0.8 ML
 Lat: 51.893 Lon: -3.708 Depth: 7.6 km
 Grid Ref: 282.48 kmE 223.03 kmN RMS: 0.30 secs
 Locality: CRAI,POWYS
 Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
 Comment: 7KM WEST CRAI

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LPW	HZ	34.9	EP			17:31	14.22			0.49
MCH1	HZ	50.1	EP			17:31	15.90			-0.23
MCH1	HE	50.1	ES			17:31	22.14			-0.30
MCH1	HN	50.1	IAML			17:31	22.31	4	0.10	
MCH1	HE	50.1	IAML			17:31	22.48	4	0.10	
MONM	HZ	62.5	EP			17:31	18.04			0.01
MONM	HE	62.5	ES			17:31	25.78			0.04
MONM	HE	62.5	IAML			17:31	25.95	10	0.12	
MONM	HN	62.5	IAML			17:31	26.02	11	0.22	
RSBS	HZ	71.6	EP			17:31	19.41			-0.07
RSBS	HN	71.6	ES			17:31	27.66			-0.57
RSBS	HN	71.6	IAML			17:31	27.92	4	0.12	
RSBS	HE	71.6	IAML			17:31	29.08	4	0.07	
HLM1	HZ	89.6	EP			17:31	22.09			-0.20
HLM1	HN	89.6	IAML			17:31	34.48	2	0.24	
HLM1	HE	89.6	IAML			17:31	37.76	2	0.16	
HEX	HZ	92.2	EP			17:31	23.19			0.54
HEX	HN	92.2	ES			17:31	33.64			-0.09
HEX	HN	92.2	IAML			17:31	34.07	3	0.44	
HEX	HE	92.2	IAML			17:31	34.64	4	0.33	
LLW	BN	106.0	ES			17:31	37.74			0.22
LLW	BN	106.0	IAML			17:31	39.39	2	0.15	
LLW	BE	106.0	IAML			17:31	39.72	2	0.10	
STRD	HE	107.0	ES			17:31	37.86			0.09
STRD	HE	107.0	IAML			17:31	38.15	7	0.12	
STRD	HN	107.0	IAML			17:31	38.20	8	0.11	
FOEL	HZ	116.0	EP			17:31	26.59			0.18

August 30 2024 Time: 05:21 26.1 UTC Magnitude: 1.0 ML
 Lat: 54.405 Lon: -2.239 Depth: 5.4 km
 Grid Ref: 384.49 kmE 501.10 kmN RMS: 0.30 secs
 Locality: BIRKDALE,N YORKSHIRE
 Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AR09	HZ	23.9	EP			05:21	30.94			0.22
AR09	HE	23.9	ES			05:21	34.24			0.14
AR09	HN	23.9	IAML			05:21	34.35	134	0.18	
AR09	HE	23.9	IAML			05:21	34.70	85	0.34	
CTON	HZ	25.8	IP		D	05:21	30.99			-0.04
CTON	HN	25.8	ES			05:21	34.38			-0.26
CTON	HT	25.8	ES			05:21	34.50			-0.14
CTON	HE	25.8	IAML			05:21	34.56	17	0.26	
CTON	HN	25.8	IAML			05:21	34.65	20	0.16	
WINS	HZ	31.1	EP			05:21	32.15			0.27
WINS	HE	31.1	IAML			05:21	37.77	8	0.28	
WINS	HN	31.1	IAML			05:21	38.46	8	0.38	
AQ12	HZ	33.5	IP		C	05:21	32.27			-0.05
AQ12	HT	33.5	ES			05:21	36.35			-0.53
AQ12	HE	33.5	IAML			05:21	36.71	19	0.26	
AQ12	HN	33.5	IAML			05:21	37.15	20	0.18	
AR07	HZ	47.7	EP			05:21	34.60			0.09
AR07	HN	47.7	ES			05:21	40.42			-0.24
AR07	HE	47.7	IAML			05:21	40.87	26	0.30	
AR07	HN	47.7	IAML			05:21	41.29	39	0.20	
EDMD	HZ	50.7	EP			05:21	35.10			0.16
EDMD	HT	50.7	ES			05:21	41.04			-0.36
EDMD	HN	50.7	ES			05:21	41.11			-0.29
EDMD	HE	50.7	IAML			05:21	41.27	16	0.22	
EDMD	HN	50.7	IAML			05:21	43.75	10	0.10	
KESW	HZ	59.7	EP			05:21	36.91			0.52
KESW	HT	59.7	ES			05:21	43.91			0.00
KESW	HN	59.7	IAML			05:21	44.10	6	0.48	
KESW	HE	59.7	IAML			05:21	44.37	8	0.50	
AP12	HZ	67.6	EP			05:21	37.48			-0.12
AP12	HN	67.6	IAML			05:21	46.51	4	0.32	
AP12	HE	67.6	IAML			05:21	48.28	2	0.24	
AT10	HZ	69.1	EP			05:21	38.20			0.34
AT10	HT	69.1	ES			05:21	46.46			0.01
AT10	HN	69.1	IAML			05:21	46.91	8	0.22	
AT10	HE	69.1	IAML			05:21	47.07	7	0.68	
GDLE	HN	92.4	IAML			05:21	54.98	13	0.20	
GDLE	HE	92.4	IAML			05:21	55.25	8	0.70	
ESK	HZ	119.0	EP			05:21	46.02			0.45
ESK	HN	119.0	IAML			05:22	01.11	2	0.14	
ESK	HE	119.0	IAML			05:22	01.13	2	0.18	

August 31 2024 Time: 23:02 25.1 UTC Magnitude: 0.7 ML
 Lat: 51.400 Lon: -3.661 Depth: 18.5 km
 Grid Ref: 284.47 kmE 168.14 kmN RMS: 0.20 secs
 Locality: BRISTOL CHANNEL
 Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
 Comment: 9KM SSE PORTHCAWL

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
HEX	HZ	38.4	EP			23:02	32.44			0.12
HEX	HT	38.4	ES			23:02	37.45			-0.11
HEX	HE	38.4	ES			23:02	37.46			-0.10
HEX	HN	38.4	IAML			23:02	37.87	8	0.10	
HEX	HE	38.4	IAML			23:02	37.93	7	0.22	
HTL	HZ	73.1	EP			23:02	37.59			0.29
HTL	HE	73.1	ES			23:02	45.88			-0.28
MONM	HZ	76.9	EP			23:02	38.04			0.20
MCH1	HZ	80.7	EP			23:02	38.23			-0.18
MCH1	HE	80.7	ES			23:02	47.91			-0.17
MCH1	HE	80.7	IAML			23:02	50.36	1	0.13	
MCH1	HN	80.7	IAML			23:02	51.27	2	0.10	
RSBS	HZ	97.0	EP			23:02	40.79			0.05
RSBS	HE	97.0	ES			23:02	52.15			0.03
RSBS	HN	97.0	IAML			23:02	53.17	2	0.10	
RSBS	HE	97.0	IAML			23:02	53.19	2	0.13	
DYA	HZ	109.0	EP			23:02	42.64			0.19
DYA	HN	109.0	IAML			23:02	56.35	4	0.12	
DYA	HE	109.0	IAML			23:02	56.72	6	0.29	

September 1 2024 Time: 03:58 33.7 UTC Magnitude: 1.0 ML
 Lat: 54.793 Lon: -3.230 Depth: 2.9 km
 Grid Ref: 320.92 kmE 544.94 kmN RMS: 0.40 secs
 Locality: WAVERTON,CUMBRIA
 Velocity model: Lownet Xnear: 100.0 Xfar: 300.0
 Comment: 5KM SW WIGTON

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KESW	HZ	24.1	IP		D	03:58	38.14			-0.13
KESW	HN	24.1	ES			03:58	41.47			-0.17
KESW	HN	24.1	IAML			03:58	41.63	11	0.10	
KESW	HE	24.1	IAML			03:58	41.66	13	0.32	
AQ12	HZ	50.3	IP		D	03:58	42.40			-0.29
AQ12	HN	50.3	ES			03:58	48.57			-0.71
AQ12	HN	50.3	IAML			03:58	48.75	19	0.28	
AQ12	HE	50.3	IAML			03:58	49.85	13	0.28	
AP12	HZ	53.8	EP			03:58	42.97			-0.24

TABLE 2 : PHASE DATA

AP12	HE	53.8	IAML	03:58	51.61	5	0.48			DSB	HE	137.0	IAML	00:34	19.55	3	0.08			
AP12	HN	53.8	IAML	03:58	52.04	4	0.28			RSBS	HZ	141.0	EP	00:34	02.58			0.29		
ESK	HZ	58.3	EP	03:58	43.79			-0.12		RSBS	HN	141.0	IAML	00:34	21.26	7	0.30			
ESK	HN	58.3	IAML	03:58	54.85	4	0.40			RSBS	HE	141.0	IAML	00:34	22.73	4	0.10			
ESK	HE	58.3	IAML	03:58	55.22	4	0.36			AP12	HZ	143.0	EP	00:34	02.29			-0.30		
NEWG	HZ	73.5	EP	03:58	46.22			-0.03		AP12	HE	143.0	IAML	00:34	22.13	5	0.14			
NEWG	HE	73.5	IAML	03:58	56.28	3	0.10			AP12	HN	143.0	IAML	00:34	20.43	4	0.20			
NEWG	HN	73.5	IAML	03:58	58.35	4	0.38			STNC	HZ	143.0	EP	00:34	03.41			0.87		
EDMD	HZ	81.6	EP	03:58	47.79			0.31		STNC	HN	143.0	ES	00:34	20.12			0.97		
EDMD	HN	81.6	ES	03:58	57.52			-0.04		STNC	HN	143.0	IAML	00:34	20.53	15	0.30			
EDMD	HE	81.6	IAML	03:59	00.47	25	0.22			STNC	HE	143.0	IAML	00:34	21.70	9	0.24			
EDMD	HN	81.6	IAML	03:59	00.79	20	0.14			AR07	HZ	153.0	EP	00:34	04.59			0.57		
WINS	HE	94.1	IAML	03:59	02.26	16	0.26			AR07	HN	153.0	ES	00:34	21.35			-0.34		
WINS	HN	94.1	IAML	03:59	04.16	15	0.22			AR07	HE	153.0	IAML	00:34	23.37	16	0.26			
GAL1	HZ	95.5	EP	03:58	49.65			-0.00		AR07	HN	153.0	IAML	00:34	23.60	12	0.60			
GAL1	HN	95.5	ES	03:59	01.03			-0.30		MCH1	HZ	161.0	EP	00:34	05.33			0.20		
GAL1	HE	95.5	IAML	03:59	03.63	3	0.40			MCH1	HN	161.0	ES	00:34	24.05			0.44		
GAL1	HN	95.5	IAML	03:59	03.71	8	0.28			MCH1	HN	161.0	IAML	00:34	25.16	4	0.34			
AR07	HZ	102.0	EP	03:58	51.20			0.54		MCH1	HE	161.0	IAML	00:34	26.45	4	0.20			
AR07	HN	102.0	ES	03:59	03.69			0.62		AQ12	HZ	173.0	EP	00:34	06.30			-0.55		
AR07	HN	102.0	IAML	03:59	05.75	9	0.46			AQ12	HE	173.0	IAML	00:34	29.42	6	0.60			
AR07	HE	102.0	IAML	03:59	07.12	9	0.24			AQ12	HN	173.0	IAML	00:34	31.38	5	0.28			
CTON	HE	103.0	IAML	03:59	05.83	6	0.24			LBWR	HZ	175.0	EP	00:34	07.63			0.54		
CTON	HN	103.0	IAML	03:59	06.55	8	0.16			LBWR	HN	175.0	IAML	00:34	34.53	4	0.48			
IOMK	HZ	105.0	EP	03:58	51.72			0.61		LBWR	HE	175.0	IAML	00:34	34.58	5	0.60			
IOMK	HE	105.0	IAML	03:59	05.50	4	0.46			MONM	HZ	183.0	EP	00:34	08.83			0.86		
IOMK	HN	105.0	IAML	03:59	06.01	4	0.24			MONM	HE	183.0	IAML	00:34	31.04	9	0.50			
AT10	HE	141.0	IAML	03:59	15.67	15	0.32			MONM	HN	183.0	IAML	00:34	31.24	7	0.76			
AT10	HN	141.0	IAML	03:59	20.33	9	0.42			EDMD	HZ	240.0	EP	00:34	14.46			-0.59		
September 1 2024 Time: 10:04 21.9 UTC Magnitude: 0.7 ML Lat: 51.785 Lon: -3.584 Depth: 7.1 km Grid Ref: 290.75 kmE 210.83 kmN RMS: 0.30 secs Locality: PENDERYN,RHONDDA CT Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										EDMD	HE	240.0	IAML	00:34	48.57	4	0.16			
										EDMD	HN	240.0	IAML	00:34	49.21	5	0.20			
September 4 2024 Time: 03:33 51.1 UTC Magnitude: 0.6 ML Lat: 56.393 Lon: -3.983 Depth: 2.7 km Grid Ref: 277.60 kmE 724.06 kmN RMS: 0.20 secs Locality: COMRIE,PERTH & KINROSS Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
										INVG	HZ	5.3	EP			03:33	52.62			0.13
September 2 2024 Time: 00:33 39.8 UTC Magnitude: 1.4 ML Lat: 53.192 Lon: -4.329 Depth: 7.6 km Grid Ref: 244.42 kmE 368.67 kmN RMS: 0.50 secs Locality: LLANGAFFO,ANGLESEY Velocity model: Lownet Xnear: 100.0 Xfar: 300.0 Comment: FELT NIWBWRCH Intensity: 2										INVG	HN	5.3	ES			03:33	53.48			-0.04
										INVG	HE	5.3	IAML			03:33	53.57	117	0.10	
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										INVG	HN	5.3	IAML			03:33	53.58	41	0.06	
										EAB	HZ	31.6	EP			03:33	57.03			0.08
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										EAB	HN	31.6	ES			03:34	01.11			-0.12
										EAB	HN	31.6	IAML			03:34	01.48	5	0.13	
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										EAB	HE	31.6	IAML			03:34	02.39	3	0.26	
										PITL	HZ	53.0	EP			03:34	00.33			-0.23
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										PITL	HN	53.0	IAML			03:34	10.57	4	0.03	
										PITL	HE	53.0	IAML			03:34	10.63	5	0.05	
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										PGB1	HN	71.9	ES			03:34	12.36			-0.10
										PGB1	HN	71.9	IAML			03:34	12.67	2	0.33	
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										PGB1	HE	71.9	IAML			03:34	12.94	2	0.41	
										GVIE	HZ	86.3	EP			03:34	06.05			0.28
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										GVIE	HN	86.3	IAML			03:34	19.93	4	0.16	
										GVIE	HE	86.3	IAML			03:34	20.17	4	0.16	
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										LAWE	HZ	88.8	EP			03:34	06.00			-0.06
										LAWE	HN	88.8	ES			03:34	16.86			-0.13
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										LAWE	HN	88.8	IAML			03:34	19.73	4	0.16	
										LAWE	HE	88.8	IAML			03:34	19.99	4	0.26	
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										ESY	HN	100.0	ES			03:34	19.90			-0.20
										DRUM	HN	108.0	IAML			03:34	25.60	4	0.22	
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										DRUM	HE	108.0	IAML			03:34	25.87	3	0.15	
										ESK	HN	129.0	ES			03:34	28.30			0.40
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										ESK	HE	129.0	IAML			03:34	29.79	1	0.16	
										ESK	HN	129.0	IAML			03:34	30.36	1	0.20	
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										NEWG	HE	143.0	ES			03:34	31.84			0.57
										NEWG	HN	143.0	IAML			03:34	33.26	2	0.36	
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										NEWG	HE	143.0	IAML			03:34	34.56	1	0.10	
										KPL	HN	147.0	IAML			03:34	33.54	1	0.18	
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										KPL	HE	147.0	IAML			03:34	35.10	2	0.62	
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
										IWEX	HZ	44.4	IP		C	11:25	49.70			-0.07
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										IWEX	HN	44.4	ES			11:25	55.30			-0.13
										IWEX	HN	44.4	IAML			11:25	56.43	54	0.22	
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										IWEX	HE	44.4	IAML			11:25	56.67	48	0.32	
										DSB	HZ	64.3	IP		C	11:25	53.20			0.38
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										DSB	HE	64.3	ES			11:26	00.38			-0.33
										DSB	HE	64.3	IAML			11:26	00.92	65	0.18	
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										DSB	HN	64.3	IAML			11:26	01.26	82	0.10	
										RSBS	HZ	134.0	EP			11:26	03.39			-0.19
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										RSBS	HE	134.0	IAML			11:26	21.51	11	0.32	
										RSBS	HN	134.0	IAML			11:26	23.07	13	0.22	
September 4 2024 Time: 11:25 42.0 UTC Magnitude: 1.8 ML Lat: 52.667 Lon: -6.331 Depth: 7.6 km Grid Ref: 107.22 kmE 316.54 kmN Locality: GOREY,CO WEXFORD Velocity model: Lownet Xnear: 100.0 Xfar: 300.0										WLF1										

TABLE 2 : PHASE DATA

WPS	HE	148.0	ES	11:26	22.12				-0.39	KESW	HN	26.2	IAML	05:21	45.51	4	0.45					
WPS	HE	148.0	IAML	11:26	24.72	26	0.20			KESW	HE	26.2	IAML	05:21	45.75	1	0.08					
WPS	HN	148.0	IAML	11:26	25.21	23	0.48			AP12	HZ	33.5	EP	05:21	42.62			-0.08				
ILTH	HZ	151.0	EP	11:26	06.50				0.52	AP12	HN	33.5	ES	05:21	46.99			-0.15				
ILTH	HT	151.0	ES	11:26	23.22				-0.25	AP12	HE	33.5	IAML	05:21	47.58	1	0.06					
ILTH	HE	151.0	IAML	11:26	24.88	24	0.14			AP12	HN	33.5	IAML	05:21	47.69	2	0.07					
ILTH	HN	151.0	IAML	11:26	25.46	18	0.12			AQ12	HZ	51.5	EP	05:21	45.62			0.11				
FOEL	HZ	213.0	EP	11:26	14.06				0.06	AQ12	HN	51.5	ES	05:21	51.86			-0.15				
FOEL	HE	213.0	ES	11:26	37.84				0.49	AQ12	HE	51.5	IAML	05:21	52.17	3	0.10					
FOEL	HE	213.0	IAML	11:26	40.71	23	0.28			AQ12	HN	51.5	IAML	05:21	53.06	3	0.07					
FOEL	HN	213.0	IAML	11:26	40.79	15	0.36			NEWG	HZ	76.0	EP	05:21	49.70			0.43				
IOMK	HZ	213.0	EP	11:26	14.53				0.61	NEWG	HN	76.0	ES	05:21	58.28			-0.22				
IOMK	HN	213.0	IAML	11:26	48.53	4	0.20			NEWG	HE	76.0	IAML	05:22	00.94	1	0.16					
IOMK	HE	213.0	IAML	11:26	43.15	9	0.22			NEWG	HN	76.0	IAML	05:22	01.52	1	0.24					
HLM1	HZ	234.0	EP	11:26	16.77				0.07	GAL1	HN	83.9	ES	05:22	00.49			-0.12				
HLM1	HE	234.0	ES	11:26	42.64				0.61	ESK	HN	84.7	ES	05:22	00.58			-0.30				
HLM1	HN	234.0	IAML	11:26	47.00	6	0.20			ESK	HE	84.7	IAML	05:22	01.02	1	0.15					
HLM1	HE	234.0	IAML	11:26	49.66	4	0.24			ESK	HN	84.7	IAML	05:22	03.56	1	0.18					
GAL1	HZ	267.0	EP	11:26	20.72				0.00	EDMD	HZ	104.0	EP	05:21	54.39			0.85				
GAL1	HN	267.0	IAML	11:26	59.33	3	0.22			EDMD	HE	104.0	IAML	05:22	08.57	4	0.35					
GAL1	HE	267.0	IAML	11:27	01.22	4	0.38			EDMD	HN	104.0	IAML	05:22	10.54	3	0.22					
AP12	HZ	273.0	EP	11:26	21.76				0.22													
AP12	HE	273.0	IAML	11:26	58.33	3	0.32			September 7 2024												
AP12	HN	273.0	IAML	11:27	00.24	4	0.44			Lat: 53.004			Lon: -4.253			Time: 05:31 51.0 UTC						
										Grid Ref: 248.84 kmE			347.60 kmN			Magnitude: 1.3 ML						
September 5 2024										Locality: PANT GLAS,GWYNEDD												
Lat: 54.672			Lon: 4.686			Magnitude: 2.7 ML			Velocity model: Lownet													
Grid Ref: 830.81 kmE			551.33 kmN			RMS: 0.30 secs			Xnear: 100.0			Xfar: 200.0										
Locality: SOUTHERN NORTH SEA										STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES												
Velocity model: North Sea										WLF1 HZ 33.2 EP 05:31 57.28 0.08												
Comment: 295KM NE CROMER										WLF1 HE 33.2 ES 05:32 01.88 0.13												
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES												
AU08	HZ	353.0	EP			21:21	50.12			0.54	WPS	HZ	47.1	EP	05:31	59.34		0.08				
AU08	HE	353.0	IAML			21:22	55.01	14	0.72		WPS	HN	47.1	ES	05:32	05.30		-0.02				
AU08	HN	353.0	IAML			21:23	13.29	23	0.86		WPS	HE	47.1	IAML	05:32	05.76	9	0.22				
BEDF	HZ	353.0	EP			21:21	49.58			-0.00	WPS	HN	47.1	IAML	05:32	05.82	7	0.19				
BEDF	HN	353.0	IAML			21:22	25.13	25	0.63		FOEL	HZ	71.9	IP	05:32	03.05		-0.08				
BEDF	HE	353.0	IAML			21:22	30.78	39	0.32		FOEL	HN	71.9	ES	05:32	11.82		-0.19				
GDLE	HZ	357.0	EP			21:21	50.69			0.55	FOEL	HE	71.9	IAML	05:32	15.07	13	0.22				
GDLE	HE	357.0	IAML			21:22	47.94	23	0.54		FOEL	HN	71.9	IAML	05:32	15.56	11	0.36				
GDLE	HN	357.0	IAML			21:22	58.15	23	0.56		LPW	HZ	99.8	EP	05:32	06.87		-0.22				
EDMD	HZ	428.0	EP			21:21	58.67			-0.30	HLM1	HZ	107.0	EP	05:32	08.41		0.19				
EDMD	HE	428.0	IAML			21:22	40.96	8	0.50		HLM1	HN	107.0	ES	05:32	20.95		0.14				
EDMD	HN	428.0	IAML			21:22	41.40	8	0.12		HLM1	HE	107.0	IAML	05:32	21.51	8	0.30				
CTON	HZ	432.0	EP			21:21	59.38			-0.08	HLM1	HN	107.0	IAML	05:32	22.79	9	0.22				
CTON	HN	432.0	IAML			21:22	05.29	25	0.54		RSBS	HZ	122.0	EP	05:32	10.11		-0.13				
CTON	HE	432.0	IAML			21:22	06.34	23	0.76		RSBS	HE	122.0	IAML	05:32	25.96	10	0.50				
DRUM	HZ	514.0	EP			21:22	09.96			0.31	RSBS	HN	122.0	IAML	05:32	26.39	13	0.40				
DRUM	HE	514.0	IAML			21:22	59.82	11	0.72		IOMK	HZ	141.0	EP	05:32	12.83		-0.23				
DRUM	HN	514.0	IAML			21:23	03.18	7	0.56		IOMK	HE	141.0	IAML	05:32	30.05	3	0.14				
EDI	HZ	519.0	EP			21:22	10.34			0.11	IOMK	HN	141.0	IAML	05:32	30.40	4	1.02				
TARL	HZ	547.0	EP			21:22	13.99			0.19	MCH1	HZ	141.0	EP	05:32	13.02		0.06				
PITL	HZ	572.0	EP			21:22	17.01			0.14	MCH1	HE	141.0	ES	05:32	29.63		0.62				
PITL	HN	572.0	IAML			21:23	13.13	6	0.15		MCH1	HN	141.0	IAML	05:32	30.25	7	0.12				
PITL	HE	572.0	IAML			21:23	14.61	4	0.22		MCH1	HE	141.0	IAML	05:32	30.46	7	0.34				
NEWG	HZ	574.0	EP			21:22	16.22			-0.84	AP12	HZ	159.0	EP	05:32	14.84		-0.66				
NEWG	HN	574.0	IAML			21:23	13.14	2	0.28		AP12	HE	159.0	IAML	05:32	37.16	2	0.22				
NEWG	HE	574.0	IAML			21:23	13.30	3	0.17		AP12	HN	159.0	IAML	05:32	37.25	2	0.52				
INVG	HZ	584.0	EP			21:22	18.27			-0.09	AR07	HZ	162.0	EP	05:32	15.56		-0.32				
INVG	HE	584.0	IAML			21:23	15.76	1	0.11		AR07	HE	162.0	IAML	05:32	37.74	5	0.22				
INVG	HN	584.0	IAML			21:23	16.51	2	0.15		AR07	HN	162.0	IAML	05:32	41.51	5	0.40				
MCD	HZ	590.0	EP			21:22	18.91			-0.19	MONM	HZ	163.0	EP	05:32	16.14		0.23				
MCD	HE	590.0	IAML			21:22	59.52	5	0.88		MONM	HN	163.0	IAML	05:32	36.19	10	0.34				
MCD	HN	590.0	IAML			21:23	22.90	5	0.80		MONM	HE	163.0	IAML	05:32	36.45	13	0.46				
MCH1	HZ	592.0	EP			21:22	18.91			-0.38	LBWR	HZ	175.0	EP	05:32	17.70		0.26				
MCH1	HE	592.0	IAML			21:23	18.07	3	0.30		LBWR	HE	175.0	IAML	05:32	39.49	4	0.30				
MCH1	HN	592.0	IAML			21:23	18.26	4	0.84		LBWR	HN	175.0	IAML	05:32	41.45	3	0.16				
EAB	HZ	595.0	EP			21:22	19.63			-0.10	IWEX	HZ	184.0	EP	05:32	17.83		-0.79				
EAB	HN	595.0	IAML			21:23	18.09	6	0.44		AR05	HZ	185.0	EP	05:32	17.73		-0.92				
EAB	HE	595.0	IAML			21:23	18.14	4	0.26		AQ12	HZ	188.0	EP	05:32	18.39		-0.70				
GVIE	HZ	638.0	EP			21:22	25.04			-0.05	AQ12	HN	188.0	IAML	05:32	43.76	2	0.18				
GVIE	HE	638.0	IAML			21:23	27.92	2	0.14		AQ12	HE	188.0	IAML	05:32	44.57	2	0.07				
GVIE	HN	638.0	IAML			21:23	29.97	2	0.58		GAL1	HZ	210.0	EP	05:32	21.12		-0.62				
LAW	HZ	661.0	EP			21:22	27.69			-0.24												
LAW	HN	661.0	IAML			21:23	31.76	2	0.24		September 9 2024											
LAW	HE	661.0	IAML			21:23	31.78	3	0.30		Lat: 51.655			Lon: -2.827			Time: 23:23 14.5 UTC					
BIGH	HZ	678.0	EP			21:22	30.08			0.15	Grid Ref: 342.80 kmE			195.51 kmN			Magnitude: 2.1 ML					
BIGH	HN	678.0	IAML			21:23	35.52	2	0.80		Locality: WENTWOOD,GWENT											
BIGH	HE	678.0	IAML			21:23	39.90	2	0.42		Velocity model: Lownet											
KPL	HZ	709.0	EP			21:22	33.69			-0.17	Comment: 12KM NE NEWPORT			Xnear: 125.0			Xfar: 250.0					
KPL	HE	709.0	IAML			21:23	44.06	2	0.88		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	
KPL	HN	709.0	IAML			21:23	49.91	2	0.44		MONM	HZ	20.5	IP		D	23:23	19.76			0.03	
LINV	HZ	721.0	EP			21:22	35.04			-0.35	MONM	HE	20.5	ES			23:23	23.87			0.29	
LINV	HN	721.0	IAML			21:23	46.48	2	0.64		MONM	HN	20.5	IAML			23:23	24.02	239	0.30		
LINV	HE	721.0	IAML			21:23	48.45	1	1.14		MONM	HE	20.5	IAML			23:23	24.05	419	0.26		
September 6 2024										Time: 05:21 36.6 UTC			Magnitude: 0.2 ML									
Lat: 54.576			Lon: -3.510			Depth: 7.5 km																
Grid Ref: 302.40 kmE			521.15 kmN			RMS: 0.30 secs																
Locality: GILGARRAN,CUMBRIA																						
Velocity model: Lownet										Xnear: 100.0			Xfar: 200.0									
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STRD	HZ	47.8	IP		C	23:23	22.67			-0.46	
KESW	HZ	26.2	EP			05:21	41.51			-0.07	STRD	HN	47.8	ES			23:23	29.23			-0.24	
KESW	HN	26.2	ES			05:21	44.96			-0.24	STRD	HE	47.8	IAML			23:23	29.33	102	0.32		
											STRD	HN	47.8	IAML			23:23	30.77	112	0.82		
											SWN1	HZ	72.9	EP			23:23	26.79			0.16	

TABLE 2 : PHASE DATA

SWN1	HE	72.9	IAML		23:23	36.56	142	0.44		NEWG	HE	112.0	IAML	11:13	09.85	110	0.40				
SWN1	HN	72.9	IAML		23:23	36.93	188	0.14		NEWG	HN	112.0	IAML	11:13	10.67	77	0.26				
HEX	HZ	94.4	IP	C	23:23	29.93			0.25	WLF1	HZ	114.0	EP	11:12	56.12		-0.12				
HEX	HN	94.4	IAML		23:23	42.18	50	0.34		WLF1	HN	114.0	IAML	11:13	10.91	51	0.22				
HEX	HE	94.4	IAML		23:23	42.73	69	0.50		WLF1	HE	114.0	IAML	11:13	11.33	94	0.18				
HLM1	HZ	96.1	EP		23:23	29.69			-0.28	WINS	HZ	120.0	EP	11:12	57.69		0.53				
HLM1	HE	96.1	ES		23:23	41.20			-0.09	WINS	HN	120.0	IAML	11:13	12.72	298	0.28				
HLM1	HE	96.1	IAML		23:23	41.70	103	0.24		WINS	HE	120.0	IAML	11:13	12.72	315	0.26				
HLM1	HN	96.1	IAML		23:23	41.70	54	0.18		AS02	HZ	126.0	EP	11:12	58.34		0.23				
LPW	HZ	99.5	IP	D	23:23	30.76			0.38	AS02	HN	126.0	ES	11:13	12.81		-0.32				
BUW	HZ	115.0	EP		23:23	32.79			0.26	AS02	HE	126.0	IAML	11:13	13.46	277	0.24				
BUW	HN	115.0	IAML		23:23	47.64	134	0.66		AS02	HN	126.0	IAML	11:13	13.60	192	0.18				
BUW	HE	115.0	IAML		23:23	49.57	187	0.46		EDMD	HZ	126.0	EP	11:12	58.08		-0.03				
WOL	BZ	118.0	EP		23:23	33.01			0.01	EDMD	HE	126.0	IAML	11:13	14.03	297	0.24				
WOL	BE	118.0	IAML		23:23	47.62	76	0.35		EDMD	HN	126.0	IAML	11:13	14.35	200	0.16				
WOL	BN	118.0	IAML		23:23	47.93	186	0.45		ESK	HZ	128.0	EP	11:12	58.10		-0.28				
RSBS	HZ	136.0	EP		23:23	35.52			0.08	ESK	HE	128.0	ES	11:13	13.59		-0.02				
RSBS	HE	136.0	IAML		23:23	52.25	52	0.28		ESK	HE	128.0	IAML	11:13	14.27	189	0.31				
RSBS	HN	136.0	IAML		23:23	52.27	70	0.44		ESK	HN	128.0	IAML	11:13	14.78	117	0.27				
HTL	HZ	137.0	EP		23:23	35.38			-0.09	HPK	HZ	130.0	EP	11:12	59.10		0.40				
HTL	HE	137.0	IAML		23:23	52.29	26	0.38		HPK	HE	130.0	ES	11:13	14.18		0.02				
HTL	HN	137.0	IAML		23:23	53.78	27	0.44		HPK	HE	130.0	IAML	11:13	16.45	443	0.20				
SKP	HZ	140.0	EP		23:23	35.79			-0.05	HPK	HN	130.0	IAML	11:13	16.49	423	0.16				
SKP	HT	140.0	ES		23:23	52.03			0.58	AT12	HE	144.0	IAML	11:13	19.29	482	0.49				
SKP	HE	140.0	IAML		23:23	52.54	82	0.40		AT12	HN	144.0	IAML	11:13	19.85	321	0.36				
SKP	HN	140.0	IAML		23:23	52.58	62	0.36		FOEL	HZ	147.0	EP	11:13	00.57		-0.58				
FOEL	HZ	140.0	EP		23:23	36.20			0.31	FOEL	HE	147.0	IAML	11:13	19.55	134	0.34				
FOEL	HN	140.0	IAML		23:23	53.02	40	0.46		FOEL	HN	147.0	IAML	11:13	20.07	76	0.43				
FOEL	HE	140.0	IAML		23:23	53.61	34	0.32		LLW	BZ	149.0	EP	11:13	00.92		-0.54				
LLW	BZ	145.0	EP		23:23	36.24			-0.21	LLW	BE	149.0	IAML	11:13	19.41	29	0.15				
LLW	BN	145.0	IAML		23:23	54.06	12	0.45		LLW	BN	149.0	IAML	11:13	19.81	32	0.25				
LLW	BE	145.0	IAML		23:23	54.07	9	0.15		LBWR	HZ	150.0	EP	11:13	01.99		0.41				
DYA	HZ	156.0	EP		23:23	37.06			-0.86	LBWR	HE	150.0	IAML	11:13	20.21	108	0.40				
DYA	HN	156.0	IAML		23:23	58.13	26	0.26		LBWR	HN	150.0	IAML	11:13	20.33	99	0.24				
DYA	HE	156.0	IAML		23:23	59.07	42	0.14		AT10	HZ	157.0	EP	11:13	03.39		0.78				
CWF	HZ	159.0	EP		23:23	37.77			-0.50	AT10	HN	157.0	IAML	11:13	22.62	120	0.30				
CWF	HN	159.0	IAML		23:23	56.62	13	0.42		AT10	HE	157.0	IAML	11:13	24.18	126	0.34				
CWF	HE	159.0	IAML		23:23	56.94	19	0.10		AU07	HE	171.0	IAML	11:13	27.10	346	0.30				
STNC	HZ	165.0	EP		23:23	39.42			0.37	AU07	HN	171.0	IAML	11:13	28.89	280	0.28				
STNC	HN	165.0	IAML		23:23	59.91	61	0.44		GDLE	HE	181.0	IAML	11:13	30.01	122	0.36				
STNC	HE	165.0	IAML		23:23	59.92	59	0.22		GDLE	HN	181.0	IAML	11:13	31.53	246	0.26				
LBWR	HZ	208.0	EP		23:23	44.49			0.05	ILTH	HZ	182.0	EP	11:13	06.53		0.65				
LBWR	HE	208.0	IAML		23:24	11.85	19	0.24		ILTH	HN	182.0	IAML	11:13	28.02	56	0.42				
LBWR	HN	208.0	IAML		23:24	11.88	14	0.22		ILTH	HE	182.0	IAML	11:13	28.29	23	0.32				
WLF1	HZ	211.0	EP		23:23	44.56			-0.14	HLM1	HZ	192.0	EP	11:13	06.44		-0.73				
WLF1	HE	211.0	IAML		23:24	10.53	5	0.26		HLM1	HN	192.0	IAML	11:13	30.78	19	0.34				
WLF1	HN	211.0	IAML		23:24	10.66	6	0.62		HLM1	HE	192.0	IAML	11:13	31.63	24	0.22				
AS02	HE	219.0	IAML		23:24	14.49	16	0.34		CLGH	HE	192.0	IAML	11:13	33.83	20	0.18				
AS02	HN	219.0	IAML		23:24	15.33	14	0.30		CLGH	HN	192.0	IAML	11:13	35.83	21	0.44				
CCA1	HZ	235.0	EP		23:23	46.80			-0.94	EDI	HN	195.0	IAML	11:13	34.51	76	0.28				
CCA1	HN	235.0	IAML		23:24	12.84	7	0.58		EDI	HE	195.0	IAML	11:13	34.57	56	0.26				
CCA1	HE	235.0	IAML		23:24	22.06	4	0.18		DSB	HZ	213.0	EP	11:13	09.49		-0.28				
September 10 2024 Time: 11:12 37.5 UTC Magnitude: 2.6 ML Lat: 54.189 Lon: -3.568 Depth: 4.9 km Grid Ref: 297.70 kmE 478.18 kmN RMS: 0.40 secs Locality: IRISH SEA Velocity model: Lownet Xnear: 125.0 Xfar: 250.0 Comment: 20KM WEST MILLOM										DSB	HN	213.0	IAML	11:13	39.29	12	0.30				
										DSB	HE	213.0	IAML	11:13	39.29	12	0.26				
										EAB	HZ	228.0	EP	11:13	11.41		-0.28				
										EAB	HE	228.0	IAML	11:13	44.74	23	0.50				
										EAB	HN	228.0	IAML	11:13	45.59	26	0.38				
										MCH1	HE	247.0	IAML	11:13	47.87	18	0.32				
										MCH1	HN	247.0	IAML	11:13	53.93	21	0.40				
										MONM	HN	266.0	IAML	11:13	51.65	32	0.34				
										MONM	HE	266.0	IAML	11:13	52.27	24	0.24				
										September 11 2024 Time: 08:21 50.0 UTC Magnitude: 0.9 ML Lat: 53.743 Lon: -3.878 Depth: 7.6 km Grid Ref: 276.16 kmE 429.06 kmN RMS: 0.30 secs Locality: IRISH SEA Velocity model: Lownet Xnear: 100.0 Xfar: 200.0 Comment: 55KM WEST BLACKPOOL											
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AP12	HZ	23.8	IP	C		11:12	42.06			-0.03	WPS	HZ	56.1	EP			08:21	59.81			0.32
AP12	HN	23.8	ES			11:12	44.92			-0.50	WPS	HE	56.1	ES			08:22	06.43			-0.02
AP12	HE	23.8	IAML			11:12	42.09	410	0.10		WPS	HE	56.1	IAML			08:22	07.42	4	0.24	
AP12	HN	23.8	IAML			11:12	45.09	588	0.18		WPS	HN	56.1	IAML			08:22	09.12	6	0.19	
KESW	HZ	53.7	IP	C		11:12	47.05			0.13	WLF1	HN	61.1	ES			08:22	07.53			-0.28
KESW	HN	53.7	ES			11:12	53.25			-0.53	WLF1	HN	61.1	IAML			08:22	09.32	3	0.24	
KESW	HN	53.7	IAML			11:12	53.62	266	0.14		WLF1	HE	61.1	IAML			08:22	09.32	4	0.08	
KESW	HE	53.7	IAML			11:12	53.63	450	0.14		IOMK	HZ	73.2	EP			08:22	02.31			0.14
AQ12	HZ	59.9	EP			11:12	47.49			-0.41	IOMK	HN	73.2	ES			08:22	10.89			-0.20
AQ12	HE	59.9	IAML			11:12	55.82	253	0.05		IOMK	HN	73.2	IAML			08:22	11.13	4	0.17	
AQ12	HN	59.9	IAML			11:12	56.61	266	0.06		IOMK	HE	73.2	IAML			08:22	11.15	4	0.11	
IOMK	HZ	65.5	EP			11:12	49.06			0.32	AP12	HZ	74.7	EP			08:22	01.90			-0.51
IOMK	HN	65.5	ES			11:12	56.55			-0.38	AP12	HE	74.7	IAML			08:22	15.02	5	0.58	
IOMK	HN	65.5	IAML			11:12	58.40	215	0.18		AP12	HN	74.7	IAML			08:22	15.06	3	0.29	
IOMK	HE	65.5	IAML			11:12	58.53	150	0.20		LLW										

TABLE 2 : PHASE DATA

AT10	HE	66.4	ES	03:44	28.12				-0.05	AR05	HZ	42.5	EP	02:38	04.33			-0.05			
AT10	HN	66.4	IAML	03:44	28.53	4	0.21			AR05	HN	42.5	ES	02:38	09.88			0.02			
AT10	HE	66.4	IAML	03:44	29.31	6	0.28			AR05	HN	42.5	IAML	02:38	10.99	52	0.23				
AR07	HZ	73.5	EP	03:44	21.78				0.71	AR05	HE	42.5	IAML	02:38	14.65	52	0.26				
AR07	HE	73.5	IAML	03:44	31.42	6	0.28			AR09	HZ	56.6	EP	02:38	06.67			0.05			
AR07	HN	73.5	IAML	03:44	31.82	8	0.26			AR09	HE	56.6	ES	02:38	13.16			-0.57			
AQ12	HZ	114.0	EP	03:44	27.67				0.24	LBWR	HZ	60.4	EP	02:38	07.02			-0.16			
AQ12	HE	114.0	IAML	03:44	41.65	2	0.12			LBWR	HN	60.4	ES	02:38	14.47			-0.23			
AQ12	HN	114.0	IAML	03:44	41.67	2	0.17			LBWR	HE	60.4	IAML	02:38	15.12	108	0.12				
CWF	HN	117.0	ES	03:44	41.32				-0.34	LBWR	HN	60.4	IAML	02:38	15.36	54	0.10				
EDMD	HZ	122.0	EP	03:44	28.64				0.12	HPK	HZ	61.7	EP	02:38	07.18			-0.16			
EDMD	HE	122.0	IAML	03:44	43.78	2	0.31			HPK	HN	61.7	ES	02:38	14.85			-0.13			
EDMD	HN	122.0	IAML	03:44	44.81	1	0.11			HPK	HE	61.7	IAML	02:38	15.30	156	0.20				
September 16 2024 Time: 23:37 58.7 UTC Magnitude: 0.9 ML										HPK	HN	61.7	IAML	02:38	15.69	117	0.16				
Lat: 53.127 Lon: -1.279 Depth: 7.5 km										CTON	HZ	69.1	EP	02:38	08.38			-0.14			
Grid Ref: 448.24 kmE 359.15 kmN RMS: 0.30 secs										CTON	HN	69.1	ES	02:38	16.40			-0.63			
Locality: ASHFIELD,NOTTS										CTON	HE	69.1	IAML	02:38	19.58	68	0.22				
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										CTON	HN	69.1	IAML	02:38	19.62	37	0.15				
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STNC	HZ	71.7	EP	02:38	09.22		0.32			
LBWR	HZ	42.6	EP			23:38	06.24			-0.01	STNC	HN	71.7	ES	02:38	17.98		0.30			
LBWR	HE	42.6	ES			23:38	11.54			-0.19	STNC	HE	71.7	IAML	02:38	19.30	22	0.37			
LBWR	HE	42.6	IAML			23:38	11.91	8	0.12		STNC	HN	71.7	IAML	02:38	21.50	36	0.13			
LBWR	HN	42.6	IAML			23:38	12.34	7	0.10		AQ12	HZ	82.3	EP	02:38	10.80		0.24			
CWF	HZ	43.3	EP			23:38	06.41			0.08	AQ12	HN	82.3	IAML	02:38	21.59	22	0.06			
CWF	HN	43.3	ES			23:38	11.65			-0.23	AQ12	HE	82.3	IAML	02:38	21.97	31	0.05			
CWF	HE	43.3	IAML			23:38	12.30	4	0.05		AP12	HZ	84.3	EP	02:38	11.28		0.44			
CWF	HN	43.3	IAML			23:38	12.50	4	0.13		AP12	HN	84.3	ES	02:38	21.24		0.20			
HPK	HN	95.2	ES			23:38	25.76			-0.05	AP12	HE	84.3	IAML	02:38	21.91	22	0.30			
HPK	HE	95.2	IAML			23:38	26.32	10	0.58		AP12	HN	84.3	IAML	02:38	22.45	14	0.12			
HPK	HN	95.2	IAML			23:38	26.61	8	0.26		WINS	HZ	102.0	EP	02:38	13.91		0.36			
AR05	HN	108.0	ES			23:38	28.95			-0.26	WINS	HE	102.0	IAML	02:38	26.98	74	0.26			
AR05	HN	108.0	IAML			23:38	29.40	4	0.30		WINS	HN	102.0	IAML	02:38	27.71	92	0.26			
AR05	HE	108.0	IAML			23:38	30.53	6	0.24		FOEL	HZ	104.0	EP	02:38	13.77		-0.20			
AR07	HN	124.0	ES			23:38	33.98			0.39	FOEL	HN	104.0	IAML	02:38	27.39	31	0.20			
HLM1	HZ	127.0	EP			23:38	19.28			-0.09	FOEL	HE	104.0	IAML	02:38	28.61	34	0.32			
HLM1	HN	127.0	IAML			23:38	36.51	1	0.14		KESW	HZ	106.0	EP	02:38	14.26		0.11			
HLM1	HE	127.0	IAML			23:38	36.54	2	0.28		KESW	HE	106.0	IAML	02:38	27.77	19	0.35			
FOEL	HZ	132.0	EP			23:38	20.38			0.41	KESW	HN	106.0	IAML	02:38	28.09	13	0.13			
FOEL	HE	132.0	IAML			23:38	36.36	3	0.28		AU07	HZ	108.0	EP	02:38	15.12		0.60			
FOEL	HN	132.0	IAML			23:38	36.93	3	0.32		AU07	HN	108.0	IAML	02:38	30.44	43	0.34			
CTON	HZ	133.0	EP			23:38	20.63			0.52	AU07	HE	108.0	IAML	02:38	35.60	30	0.28			
CTON	HN	133.0	IAML			23:38	36.48	3	0.18		AT10	HZ	112.0	EP	02:38	15.28		0.27			
CTON	HE	133.0	IAML			23:38	36.53	3	0.22		AT10	HN	112.0	IAML	02:38	29.80	31	0.26			
AR09	HN	144.0	IAML			23:38	40.01	3	0.08		AT10	HE	112.0	IAML	02:38	30.27	53	0.16			
AR09	HE	144.0	IAML			23:38	40.32	5	0.09		LLW	BZ	125.0	EP	02:38	16.80		-0.14			
MCH1	HZ	171.0	EP			23:38	25.84			0.31	GDLE	HZ	134.0	EP	02:38	18.17		0.03			
September 17 2024 Time: 23:39 27.4 UTC Magnitude: 0.5 ML										GDLE	HE	134.0	IAML	02:38	41.24	27	0.34				
Lat: 56.408 Lon: -3.611 Depth: 3.5 km										GDLE	HN	134.0	IAML	02:38	39.82	27	0.26				
Grid Ref: 300.60 kmE 725.13 kmN RMS: 0.40 secs										CWF	HZ	134.0	EP	02:38	18.22			0.08			
Locality: METHVEN,PERTH/KINROSS										CWF	HE	134.0	IAML	02:38	34.61	9	0.13				
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										CWF	HN	134.0	IAML	02:38	35.54	10	0.10				
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	HLM1	HZ	136.0	EP	02:38	18.42		-0.14			
INVG	HZ	26.8	EP			23:39	32.42			-0.06	HLM1	HN	136.0	IAML	02:38	34.99	18	0.34			
INVG	HN	26.8	ES			23:39	36.02			-0.16	HLM1	HE	136.0	IAML	02:38	35.03	31	0.20			
INVG	HN	26.8	IAML			23:39	36.33	12	0.12		WLF1	HZ	137.0	EP	02:38	18.11		-0.42			
INVG	HE	26.8	IAML			23:39	36.52	3	0.12		WLF1	HN	137.0	IAML	02:38	34.70	17	0.10			
PITL	HZ	45.8	EP			23:39	35.36			-0.35	WLF1	HE	137.0	IAML	02:38	35.14	15	0.10			
PITL	HE	45.8	IAML			23:39	40.98	2	0.16		WPS	HZ	139.0	EP	02:38	18.28		-0.61			
PITL	HN	45.8	IAML			23:39	45.30	2	0.10		WPS	HN	139.0	IAML	02:38	34.97	11	0.17			
EAB	HZ	51.2	EP			23:39	36.44			-0.08	WPS	HE	139.0	IAML	02:38	35.21	8	0.16			
EAB	HN	51.2	ES			23:39	43.01			-0.16	MCH1	HZ	195.0	EP	02:38	26.37		0.12			
EAB	HN	51.2	IAML			23:39	45.17	4	0.27		MCH1	HN	195.0	IAML	02:38	51.31	7	0.14			
EAB	HE	51.2	IAML			23:39	45.68	2	0.30		MCH1	HE	195.0	IAML	02:38	52.50	6	0.18			
EDI	HN	60.0	ES			23:39	45.33			-0.15	LPW	HZ	208.0	EP	02:38	27.87		-0.06			
ESY	HN	82.5	ES			23:39	51.25			-0.35	September 21 2024 Time: 04:18 59.4 UTC Magnitude: 0.6 ML										
ESY	HN	82.5	IAML			23:39	55.29	2	0.18		Lat: 50.583 Lon: -3.696 Depth: 2.6 km										
ESY	HE	82.5	IAML			23:39	55.73	3	0.39		Grid Ref: 279.94 kmE 77.36 kmN RMS: 0.30 secs										
DRUM	HZ	88.9	EP			23:39	42.04			-0.32	Locality: BRIMLEY,DEVON										
DRUM	HE	88.9	IAML			23:39	56.64	3	0.10		Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										
DRUM	HN	88.9	IAML			23:39	56.82	3	0.12		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
TARL	HZ	95.2	EP			23:39	43.60			0.25	DYA	HZ	23.4	IP			04:19	03.74			-0.11
LAWE	HN	112.0	ES			23:39	59.54			0.16	DYA	HE	23.4	ES			04:19	06.83			-0.28
LAWE	HE	112.0	IAML			23:40	01.09	1	0.24		DYA	HN	23.4	IAML			04:19	07.36	6	0.12	
LAWE	HN	112.0	IAML			23:40	02.26	2	0.14		DYA	HE	23.4	IAML			04:19	07.36	5	0.10	
EKA	BZ	123.0	EP			23:39	48.44			0.78	HEX	HZ	54.3	EP			04:19	09.04			0.04
ESK	HZ	124.0	EP			23:39	48.45			0.62	HEX	HN	54.3	ES			04:19	15.44			-0.59
ESK	HN	124.0	IAML			23:40	04.62	2	0.28		HEX	HE	54.3	IAML			04:19	16.48	4	0.14	
ESK	HE	124.0	IAML			23:40	05.01	2	0.16		HEX	HN	54.3	IAML			04:19	16.77	3	0.13	
MCD	HZ	133.0	EP			23:39	50.07			0.95	SBD	BZ	70.1	EP			04:19	11.63			0.17
MCD	HE	133.0.																			

TABLE 2 : PHASE DATA

September 25 2024										Time: 01:06 33.1 UTC		Magnitude: 0.2 ML		SWSN1 HN 118.0 IAML 21:09 04.12 16 0.24	
Lat: 56.322										Lon: -4.987		Depth: 2.7 km		RSBS HZ 124.0 EP 21:08 46.88	
Grid Ref: 215.31 kmE										718.40 kmN		RMS: 0.40 secs		RSBS HE 124.0 IAML 21:09 03.21 20 0.09	
Locality: CLADICH,ARGYLL & BUTE														RSBS HN 124.0 IAML 21:09 04.06 20 0.16	
Velocity model: Lownet										Xnear: 100.0		Xfar: 200.0		HEX HZ 144.0 EP 21:08 50.43 0.45	
Comment: 8KM SOUTH DALMALLY														HEX HE 144.0 ES 21:09 07.28 0.29	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES														HEX HE 144.0 IAML 21:09 07.62 20 0.36	
LAWHE HZ 26.4 IP C 01:06 38.03														HEX HN 144.0 IAML 21:09 09.16 13 0.22	
LAWHE HN 26.4 ES 01:06 41.31														WLF1 HE 148.0 IAML 21:09 10.26 5 0.22	
LAWHE HE 26.4 IAML 01:06 41.45 5 0.10														WLF1 HN 148.0 IAML 21:09 10.49 4 0.22	
LAWHE HN 26.4 IAML 01:06 41.48 7 0.10														LBWR HZ 153.0 EP 21:08 51.69 0.33	
EAB HZ 42.9 EP 01:06 41.13															
EAB HN 42.9 ES 01:06 46.27															
EAB HN 42.9 IAML 01:06 46.87 1 0.07															
EAB HE 42.9 IAML 01:06 47.57 2 0.09															
INVG HZ 59.5 EP 01:06 43.51															
INVG HN 59.5 ES 01:06 50.36															
INVG HN 59.5 IAML 01:06 50.80 1 0.20															
INVG HE 59.5 IAML 01:06 51.61 1 0.09															
PGB1 HN 64.9 ES 01:06 52.86															
PGB1 HE 64.9 IAML 01:06 52.96 1 0.26															
PGB1 HN 64.9 IAML 01:06 53.28 2 0.14															
GVIE HZ 90.7 EP 01:06 48.50															
GVIE HN 90.7 IAML 01:07 00.39 1 0.09															
GVIE HE 90.7 IAML 01:07 01.02 1 0.30															
PITL HZ 102.0 EP 01:06 50.89															
PITL HE 102.0 IAML 01:07 04.87 1 0.08															
PITL HN 102.0 IAML 01:07 05.25 2 0.06															
September 25 2024										Time: 08:29 22.3 UTC		Magnitude: 0.8 ML			
Lat: 53.167										Lon: -4.088		Depth: 7.6 km			
Grid Ref: 260.44 kmE										365.39 kmN		RMS: 0.30 secs			
Locality: BETHESDA, GWYNEDD															
Velocity model: Lownet										Xnear: 100.0		Xfar: 200.0			
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES															
WLF1 HZ 24.7 EP 08:29 26.98															
WLF1 HN 24.7 ES 08:29 30.10															
WLF1 HE 24.7 IAML 08:29 30.19 15 0.07															
WLF1 HN 24.7 IAML 08:29 30.19 18 0.10															
WPS HZ 37.7 EP 08:29 29.10															
WPS HN 37.7 ES 08:29 33.70															
WPS HE 37.7 IAML 08:29 35.31 4 0.08															
WPS HN 37.7 IAML 08:29 35.52 4 0.16															
LLW BZ 45.4 EP 08:29 30.17															
LLW BN 45.4 ES 08:29 35.56															
LLW BN 45.4 IAML 08:29 35.77 2 0.11															
LLW BE 45.4 IAML 08:29 35.84 4 0.20															
FOEL HZ 67.1 EP 08:29 33.72															
FOEL HN 67.1 ES 08:29 41.66															
FOEL HE 67.1 IAML 08:29 43.27 8 0.26															
FOEL HN 67.1 IAML 08:29 44.68 8 0.42															
HLM1 HZ 109.0 EP 08:29 40.56															
HLM1 HN 109.0 IAML 08:29 54.13 3 0.14															
HLM1 HE 109.0 IAML 08:29 56.38 2 0.12															
IOMK HZ 126.0 EP 08:29 43.13															
IOMK HE 126.0 IAML 08:29 59.31 3 0.20															
IOMK HN 126.0 IAML 08:30 00.07 3 0.16															
RSBS HZ 142.0 EP 08:29 45.73															
RSBS HE 142.0 IAML 08:30 04.08 3 0.10															
RSBS HN 142.0 IAML 08:30 04.87 5 0.09															
MCH1 HZ 150.0 EP 08:29 46.64															
MCH1 HE 150.0 IAML 08:30 05.69 1 0.18															
MCH1 HN 150.0 IAML 08:30 06.07 2 0.20															
September 26 2024										Time: 21:08 26.7 UTC					

TABLE 2 : PHASE DATA

GALL	HN	128.0	IAML	03:21	49.98	58	0.44			LAWE	HN	66.3	ES	15:20	16.65		-0.04				
GALL	HE	128.0	IAML	03:21	50.00	68	0.14			LAWE	HN	66.3	IAML	15:20	21.30	4	0.38				
NEWG	HZ	142.0	EP	03:21	34.52			0.20		LAWE	HE	66.3	IAML	15:20	22.46	3	0.12				
NEWG	HN	142.0	IAML	03:21	52.90	36	0.18			CLGH	HZ	83.9	EP	15:20	10.83		-0.18				
NEWG	HE	142.0	IAML	03:21	53.42	25	0.26			CLGH	HN	83.9	IAML	15:20	21.58	9	0.80				
EAB	HZ	143.0	EP	03:21	34.01			-0.49		CLGH	HE	83.9	IAML	15:20	24.50	11	0.18				
EAB	HE	143.0	IAML	03:21	53.94	43	0.62			PGB1	HN	104.0	IAML	15:20	29.36	7	0.20				
EAB	HN	143.0	IAML	03:21	54.36	48	0.54			PGB1	HE	104.0	IAML	15:20	29.36	12	0.60				
ILTH	HZ	170.0	EP	03:21	37.76			-0.30		EAB	HZ	119.0	EP	15:20	16.70		0.16				
ILTH	HE	170.0	IAML	03:21	59.70	41	0.22			EAB	HN	119.0	IAML	15:20	33.64	5	0.46				
ILTH	HN	170.0	IAML	03:22	02.36	17	0.12			EAB	HE	119.0	IAML	15:20	35.44	3	0.56				
INVG	HZ	172.0	EP	03:21	37.42			-0.90		GALL	HZ	141.0	EP	15:20	20.08		0.31				
INVG	HN	172.0	IAML	03:22	02.27	28	0.36			GALL	HN	141.0	IAML	15:20	37.82	6	0.62				
INVG	HE	172.0	IAML	03:22	03.54	30	0.42			GALL	HE	141.0	IAML	15:20	39.51	8	0.46				
IOMK	HZ	183.0	EP	03:21	39.54			-0.17		NEWG	HZ	145.0	EP	15:20	20.23		-0.12				
IOMK	HE	183.0	IAML	03:22	03.56	20	0.48			NEWG	HE	145.0	IAML	15:20	39.71	3	0.42				
IOMK	HN	183.0	IAML	03:22	05.17	25	0.22			NEWG	HN	145.0	IAML	15:20	41.04	5	0.56				
ESK	HZ	199.0	EP	03:21	41.55			-0.17		INVG	HZ	146.0	EP	15:20	20.46		-0.09				
ESK	HN	199.0	IAML	03:22	08.94	11	0.30			INVG	HE	146.0	IAML	15:20	40.89	2	0.20				
ESK	HE	199.0	IAML	03:22	12.40	9	0.22			INVG	HN	146.0	IAML	15:20	42.20	2	0.32				
EDI	HZ	201.0	EP	03:21	41.93			0.01		GVIE	HZ	171.0	EP	15:20	24.91		0.70				
EDI	HE	201.0	IAML	03:22	09.17	15	0.34			GVIE	HE	171.0	IAML	15:20	48.56	4	0.26				
EDI	HN	201.0	IAML	03:22	14.06	17	0.44			GVIE	HN	171.0	IAML	15:20	50.89	2	0.26				
KPL	HZ	203.0	EP	03:21	42.35			0.28		October 3 2024 Time: 20:32 14.9 UTC Magnitude: 0.9 ML											
KPL	HN	203.0	IAML	03:22	12.38	8	0.56			Lat: 55.479 Lon: -5.086 Depth: 7.6 km											
KPL	HE	203.0	IAML	03:22	15.40	18	0.30			Grid Ref: 205.00 kmE 624.91 kmN RMS: 0.50 secs											
GVIE	HZ	203.0	EP	03:21	41.45			-0.88		Locality: ARRAN,NORTH AYRSHIRE											
GVIE	HE	203.0	IAML	03:22	11.10	42	0.30			Velocity model: Lownet Xnear: 100.0 Xfar: 200.0											
GVIE	HN	203.0	IAML	03:22	12.43	23	0.32			STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	
KESW	HZ	232.0	EP	03:21	46.24			0.39		PGB1	HZ	53.0	EP			20:32	24.23			0.20	
KESW	HE	232.0	IAML	03:22	22.98	12	0.40			PGB1	HN	53.0	ES			20:32	30.31			-0.35	
KESW	HN	232.0	IAML	03:22	26.45	12	0.42			NEWG	HZ	67.7	IP		D	20:32	26.27			-0.03	
AP12	HZ	240.0	EP	03:21	47.28			0.45		NEWG	HN	67.7	IAML			20:32	37.64	4	0.18		
AP12	HN	240.0	IAML	03:22	22.37	12	0.46			NEWG	HE	67.7	IAML			20:32	37.64	4	0.30		
AP12	HE	240.0	IAML	03:22	23.58	14	0.48			GALL	HZ	72.3	EP			20:32	27.20			0.19	
DSB	HZ	258.0	EP	03:21	49.51			0.56		GALL	HE	72.3	ES			20:32	34.96			-0.86	
DSB	HE	258.0	IAML	03:22	28.47	5	0.68			GALL	HN	72.3	IAML			20:32	35.68	4	0.50		
DSB	HN	258.0	IAML	03:22	30.22	4	0.62			GALL	HE	72.3	IAML			20:32	38.68	5	0.22		
AQ12	HZ	261.0	EP	03:21	49.55			0.15		CLGH	HN	78.6	IAML			20:32	37.43	6	0.72		
AQ12	HE	261.0	IAML	03:22	28.21	10	0.40			CLGH	HE	78.6	IAML			20:32	41.28	5	0.96		
AQ12	HN	261.0	IAML	03:22	29.98	10	0.32			LAWE	HZ	89.1	IP		D	20:32	29.89			0.27	
WPS	HZ	268.0	EP	03:21	50.77			0.54		LAWE	HE	89.1	ES			20:32	39.75			-0.58	
WPS	HE	268.0	IAML	03:22	30.48	10	0.82			LAWE	HE	89.1	IAML			20:32	40.93	5	0.32		
WPS	HN	268.0	IAML	03:22	35.18	7	0.86			LAWE	HN	89.1	IAML			20:32	42.32	4	0.18		
WLF1	HZ	282.0	EP	03:21	51.80			-0.20		EAB	HZ	91.9	EP			20:32	30.26			0.19	
WLF1	HE	282.0	IAML	03:22	38.25	6	0.46			EAB	HE	91.9	ES			20:32	41.04			-0.08	
WLF1	HN	282.0	IAML	03:22	38.53	7	0.38			EAB	HN	91.9	IAML			20:32	41.67	3	0.24		
EDMD	HN	289.0	IAML	03:22	37.61	14	0.24			EAB	HE	91.9	IAML			20:32	41.69	5	0.22		
EDMD	HE	289.0	IAML	03:22	39.37	14	0.54			ESK	HZ	121.0	EP			20:32	34.88			0.36	
MCD	HE	294.0	IAML	03:22	38.19	21	0.32			ESK	HN	121.0	IAML			20:32	49.39	2	0.14		
MCD	HN	294.0	IAML	03:22	40.92	27	0.36			ESK	HE	121.0	IAML			20:32	49.53	2	0.56		
LINV	HZ	296.0	EP	03:21	54.39			0.59		INVG	HZ	124.0	EP			20:32	35.86			0.81	
LINV	HE	296.0	IAML	03:22	37.08	10	0.32			INVG	HN	124.0	IAML			20:32	51.47	2	0.74		
LINV	HN	296.0	IAML	03:22	37.30	5	0.46			INVG	HE	124.0	IAML			20:32	52.11	2	0.12		
October 1 2024					Time: 13:12 35.1 UTC			Magnitude: 1.4 ML			IOMK HZ 140.0 EP 20:32 37.75 0.47										
Lat: 53.041 Lon: -1.926					Depth: 17.1 km			IOMK HN 140.0 IAML 20:32 57.84 4 0.84													
Grid Ref: 404.96 kmE 349.34 kmN					RMS: 0.30 secs			IOMK HE 140.0 IAML 20:32 58.35 4 0.68													
Locality: WHISTON,STAFFORDSHIRE					IDGL HE 161.0 IAML 20:33 02.72 2 0.74																
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0					IDGL HN 161.0 IAML 20:33 03.97 4 0.62																
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	KESW	HZ	161.0	EP		20:32	41.28			0.97	
STNC	HZ	19.6	EP			13:12	39.31			-0.24	KESW	HN	161.0	IAML		20:33	02.02	2	0.70		
STNC	HN	19.6	ES			13:12	42.98			0.15	KESW	HE	161.0	IAML		20:33	09.48	2	0.56		
STNC	HN	19.6	IAML			13:12	43.10	160	0.16		IDGL	HZ	161.0	EP		20:32	40.43			0.18	
STNC	HE	19.6	IAML			13:12	43.19	194	0.18		PITL	HE	176.0	IAML		20:33	05.29	2	0.40		
LBWR	HZ	42.3	EP			13:12	42.63			-0.12	PITL	HN	176.0	IAML		20:33	07.85	2	0.72		
LBWR	HN	42.3	IAML			13:12	48.66	33	0.11		October 4 2024 Time: 17:57 08.7 UTC Magnitude: 0.9 ML										
LBWR	HE	42.3	IAML			13:12	48.66	60	0.10		Lat: 56.493 Lon: -6.031 Depth: 6.6 km										
AS02	HZ	57.2	EP			13:12	45.19			0.21	Grid Ref: 151.91 kmE 740.70 kmN RMS: 0.50 secs										
AS02	HN	57.2	ES			13:12	52.18			-0.04	Locality: MULL,ARGYLL & BUTE										
AS02	HN	57.2	IAML			13:12	52.56	25	0.24		Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										
AS02	HE	57.2	IAML			13:12	52.81	29	0.28		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
HLM1	HZ	86.8	EP			13:12	48.84			-0.47	LAWE	HZ	46.9	EP			17:57	16.81			-0.11
HLM1	HE	86.8	IAML			13:13	00.34	8	0.24		LAWE	HN	46.9	ES			17:57	22.42			-0.49
HLM1	HN	86.8	IAML			13:13	02.08	5	0.10		LAWE	HN	46.9	IAML			17:57	23.23	6	0.20	
FOEL	HZ	87.2	EP			13:12	49.71			0.34	LAWE	HE	46.9	IAML			17:57	23.99	5	0.22	
FOEL	HN	87.2	ES			13:12	59.68			-0.14	LAWE	HE	46.9	IAML			17:57	24.21			-0.46
FOEL	HE	87.2	IAML			13:13	01.19	6	0.22		KPL	HZ	97.0	EP			17:57	24.21			
FOEL	HN	87.2	IAML			13:13	02.92	8	0.30		KPL	HN	97.0	IAML			17:57	38.72	2	0.21	
MCH1	HZ	137.0	EP			13:12	56.53			0.09	KPL	HE	97.0	IAML			17:57	39.08	5	0.12	
MCH1	HN	137.0	ES			13:13	12.34			0.28	EAB	HZ	110.0	EP			17:57	27.49			0.74
MCH1	HN	137.0	IAML			13:13	13.88	8	0.13		EAB	HE	110.0	IAML			17:57	42.08	2	0.12	
MCH1	HE	137.0	IAML			13:13	14.51	7	0.18		EAB	HN	110.0	IAML			17:57	43.58	2	0.08	
MONM	HZ	146.0	EP			13:12	58.32			0.55	INVG	HZ	123.0	EP			17:57	29.34			0.63
MONM	HN	146.0	IAML			13:13	16.90	12	0.18		INVG	HN	123.0	ES			17:57	43.09			-0.21
MONM	HE	146.0	IAML			13:13	16.97	12	0.32		INVG	HE	123.0	IAML			17:57	45.27	3	0.08	
October 2 2024					Time: 15:19 56.7 UTC			Magnitude: 1.1 ML			PITL HZ 154.0 EP 17:57 34.15 0.98										
Lat: 55.836 Lon: -6.146					Depth: 2.3 km			PITL HN 154.0 IAML 17:57 54.31 4 0.16													
Grid Ref: 140.44 kmE 668.08 kmN					RMS: 0.30 secs			PITL HE 154.0 IAML 17:57 54.34 4 0.18													
Locality: ISLAY,ARGYLL & BUTE																					
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0																					
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES											
LAWE	HZ	66.3	EP			15:20	07.73			-0.54											

TABLE 2 : PHASE DATA

October 5 2024										Time: 07:10 55.4 UTC		Magnitude: 1.2 ML		WACR HN 70.4 ES		18:25 49.71		0.25	
Lat: 56.673										Lon: -4.939		Depth: 2.4 km		WACR HE 70.4 IAML		18:25 49.95		11 0.18	
Grid Ref: 219.95 kmE										757.32 kmN		RMS: 0.30 secs		WACR HN 70.4 IAML		18:25 50.36		15 0.10	
Locality: KINLOCHLEVEN,HIGHLAND														AU08 HZ 107.0 EP		18:25 45.79			
Velocity model: Lownet										Xnear: 100.0		Xfar: 200.0		AU08 HN 107.0 ES		18:25 58.89		0.25	
Comment: 5KM SSE KINLOCHLEVEN														AU08 HE 107.0 IAML		18:25 59.11		9 0.57	
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	AU08 HN 107.0 IAML		18:25 59.72		6 0.44				
LAWE	HZ	54.0	IP		D	07:11	05.00			0.04	LBWR HZ 122.0 EP		18:25 48.18				-0.07		
LAWE	HN	54.0	ES			07:11	11.86			-0.11	LBWR HN 122.0 ES		18:26 02.35				0.00		
LAWE	HN	54.0	IAML			07:11	16.85		7	0.10	LBWR HE 122.0 IAML		18:26 03.77		11 0.10				
LAWE	HE	54.0	IAML			07:11	16.87		7	0.18	LBWR HN 122.0 IAML		18:26 03.82		11 0.18				
INVG	HZ	61.5	EP			07:11	05.89			-0.25	HPK HN 137.0 ES		18:26 05.98				-0.04		
INVG	HN	61.5	IAML			07:11	14.34		3	0.22	HPK HE 137.0 IAML		18:26 06.83		7 0.24				
INVG	HE	61.5	IAML			07:11	18.34		5	0.07	HPK HN 137.0 IAML		18:26 08.05		7 0.14				
EAB	HZ	65.4	EP			07:11	07.04			0.28	BEDF HE 138.0 ES		18:26 06.25				0.10		
EAB	HN	65.4	IAML			07:11	19.26		14	0.05	BEDF HN 138.0 IAML		18:26 10.72		8 0.21				
EAB	HE	65.4	IAML			07:11	19.48		13	0.12	BEDF HE 138.0 IAML		18:26 11.33		8 0.25				
PITL	HZ	83.7	EP			07:11	09.42			-0.19									
PITL	HN	83.7	IAML			07:11	22.02		11	0.06									
PITL	HE	83.7	IAML			07:11	22.96		18	0.09									
KPL	HZ	85.9	EP			07:11	09.84			-0.05									
KPL	HN	85.9	IAML			07:11	23.47		4	0.10									
KPL	HE	85.9	IAML			07:11	23.93		6	0.16									
TARL	HN	137.0	IAML			07:11	35.44		17	0.10									
TARL	HE	137.0	IAML			07:11	36.17		16	0.12									
MCD	HZ	144.0	EP			07:11	19.12			0.34									
MCD	HN	144.0	IAML			07:11	37.71		5	0.20									
MCD	HE	144.0	IAML			07:11	37.74		6	0.21									
DRUM	HZ	152.0	EP			07:11	20.64			0.67									
DRUM	HE	152.0	IAML			07:11	40.38		8	0.12									
DRUM	HN	152.0	IAML			07:11	40.74		14	0.19									
LINV	HZ	165.0	EP			07:11	22.01			0.26									
LINV	HN	165.0	IAML			07:11	41.42		3	0.05									
LINV	HE	165.0	IAML			07:11	41.60		9	0.14									
ESK	HE	186.0	IAML			07:11	49.67		2	0.34									
ESK	HN	186.0	IAML			07:11	50.07		2</										

TABLE 2 : PHASE DATA

LLW	BN	17.6	ES		16:26	44.43			0.03	HTL	HN	20.6	ES		23:18	50.76			-0.33		
LLW	BN	17.6	IAML		16:26	44.53	206	0.10		HTL	HE	20.6	IAML		23:18	50.77	10	0.10			
LLW	BE	17.6	IAML		16:26	44.63	103	0.10		HTL	HN	20.6	IAML		23:18	52.05	14	0.10			
FOEL	HZ	20.7	IP	D	16:26	42.20			0.14	HEX	HZ	29.2	EP		23:18	49.99			0.30		
FOEL	HN	20.7	ES		16:26	45.19			-0.05	HEX	HN	29.2	ES		23:18	53.38			-0.29		
FOEL	HN	20.7	IAML		16:26	45.42	297	0.12		HEX	HN	29.2	IAML		23:18	53.52	7	0.11			
FOEL	HE	20.7	IAML		16:26	45.46	365	0.40		HEX	HE	29.2	IAML		23:18	53.61	11	0.21			
HLM1	HZ	64.0	IP	D	16:26	48.47			-0.13	DYA	HZ	62.9	EP		23:18	55.56			0.38		
HLM1	HN	64.0	ES		16:26	56.01			-0.54	DYA	HN	62.9	ES		23:19	02.70			-0.48		
HLM1	HN	64.0	IAML		16:26	56.24	24	0.26		DYA	HE	62.9	IAML		23:19	02.96	2	0.11			
HLM1	HE	64.0	IAML		16:26	56.40	27	0.10		DYA	HN	62.9	IAML		23:19	03.46	3	0.15			
WLF1	HZ	71.1	IP	D	16:26	49.70			0.08	CCA1	HZ	114.0	EP		23:19	03.67			0.53		
WLF1	HN	71.1	ES		16:26	58.09			-0.23	CCA1	HN	114.0	IAML		23:19	17.51	1	0.08			
WLF1	HE	71.1	IAML		16:26	58.24	21	0.18		CCA1	HE	114.0	IAML		23:19	17.52	1	0.07			
WLF1	HN	71.1	IAML		16:26	58.27	37	0.08													
WPS	HZ	83.6	EP		16:26	51.71			0.18	October 13 2024 Time: 22:35 28.5 UTC Magnitude: 0.1 ML											
WPS	HN	83.6	IAML		16:27	02.04	12	0.44		Lat: 54.745 Lon: -2.701 Depth: 8.0 km											
WPS	HE	83.6	IAML		16:27	03.41	8	0.11		Grid Ref: 354.88 kmE 539.13 kmN RMS: 0.20 secs											
LPW	HZ	102.0	EP		16:26	54.19			-0.17	Locality: LAZONBY,CUMBRIA											
MCH1	HZ	112.0	EP		16:26	55.73			-0.07	Velocity model: Lownet Xnear: 100.0 Xfar: 200.0											
MCH1	HE	112.0	ES		16:27	08.52			-0.50	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	
MCH1	HN	112.0	IAML		16:27	08.75	38	0.28		KESW	HZ	31.3	EP			22:35	34.30			0.06	
MCH1	HE	112.0	IAML		16:27	09.01	21	0.20		KESW	HN	31.3	ES			22:35	38.59			0.14	
LBWR	HZ	127.0	EP		16:26	58.57			0.60	KESW	HN	31.3	IAML			22:35	38.81	1	0.08		
LBWR	HN	127.0	IAML		16:27	14.37	16	0.14		KESW	HE	31.3	IAML			22:35	38.94	1	0.26		
LBWR	HE	127.0	IAML		16:27	16.71	15	0.20		AQ12	HZ	34.4	EP			22:35	34.84			0.10	
MONM	HZ	133.0	EP		16:26	59.41			0.63	AQ12	HN	34.4	ES			22:35	39.10			-0.21	
MONM	HE	133.0	ES		16:27	14.29			0.12	AQ12	HN	34.4	IAML			22:35	39.21	3	0.07		
MONM	HE	133.0	IAML		16:27	16.63	18	0.22		AQ12	HE	34.4	IAML			22:35	39.26	4	0.08		
MONM	HN	133.0	IAML		16:27	17.30	20	0.26		EDMD	HZ	48.5	EP			22:35	36.96			0.12	
AR07	HZ	134.0	EP		16:26	59.37			0.53	EDMD	HN	48.5	ES			22:35	42.77			-0.17	
AR07	HE	134.0	IAML		16:27	16.89	39	0.10		EDMD	HN	48.5	IAML			22:35	42.92	2	0.11		
AR07	HN	134.0	IAML		16:27	16.91	54	0.24		EDMD	HE	48.5	IAML			22:35	43.10	2	0.12		
RSBS	HZ	141.0	IP	D	16:26	59.82			-0.14	AP12	HZ	60.7	EP			22:35	38.76			-0.02	
RSBS	HN	141.0	IAML		16:27	18.70	19	0.20		AP12	HN	60.7	ES			22:35	46.12			-0.18	
RSBS	HE	141.0	IAML		16:27	18.94	20	0.18		AP12	HN	60.7	IAML			22:35	46.43	2	0.26		
AR05	HN	150.0	IAML		16:27	20.29	41	0.36		AP12	HE	60.7	IAML			22:35	46.62	2	0.20		
AR05	HE	150.0	IAML		16:27	20.68	39	0.44		ESK	HZ	71.4	EP			22:35	40.63			0.19	
AP12	HZ	151.0	EP		16:27	00.60			-0.67	ESK	HN	71.4	ES			22:35	48.77			-0.40	
AP12	HE	151.0	IAML		16:27	20.38	11	0.36		ESK	HN	71.4	IAML			22:35	49.25	0	0.13		
AP12	HN	151.0	IAML		16:27	21.70	8	0.16		ESK	HE	71.4	IAML			22:35	49.26	1	0.16		
AR09	HZ	157.0	EP		16:27	01.82			-0.36	EKA	BZ	71.8	EP			22:35	40.84			0.32	
AR09	HE	157.0	IAML		16:27	20.94	61	0.22		CTON	HN	73.7	ES			22:35	49.93			0.08	
AR09	HN	157.0	IAML		16:27	25.59	71	0.36		CTON	HN	73.7	IAML			22:35	52.01	1	0.12		
STRD	HE	160.0	IAML		16:27	24.03	29	0.14		CTON	HE	73.7	IAML			22:35	52.36	2	0.24		
STRD	HN	160.0	IAML		16:27	25.86	18	0.42													
IOMK	HZ	161.0	EP		16:27	02.58			-0.13	October 17 2024 Time: 14:30 45.3 UTC Magnitude: 1.1 ML											
HPK	HE	166.0	IAML		16:27	25.47	24	0.20		Lat: 57.705 Lon: -5.354 Depth: 3.8 km											
HPK	HN	166.0	IAML		16:27	26.39	31	0.16		Grid Ref: 200.19 kmE 873.27 kmN RMS: 0.30 secs											
KESW	HE	183.0	IAML		16:27	28.84	10	0.32		Locality: LETTEREWE,HIGHLAND											
KESW	HN	183.0	IAML		16:27	31.42	8	0.22		Velocity model: Lownet Xnear: 100.0 Xfar: 200.0											
DSB	HN	196.0	IAML		16:27	31.48	8	0.24		Comment: 11KM NNW KINLOCHWE											
DSB	HE	196.0	IAML		16:27	32.83	5	0.40		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	
HEX	HZ	212.0	EP		16:27	10.82			1.75	KPL	HZ	44.5	EP			14:30	53.28			-0.05	
HEX	HN	212.0	IAML		16:27	35.99	17	0.32		KPL	HE	44.5	ES			14:30	59.24			0.07	
HEX	HE	212.0	IAML		16:27	36.03	20	0.40		KPL	HE	44.5	IAML			14:30	59.53	8	0.50		
AT10	HZ	219.0	EP		16:27	09.68			-0.22	KPL	HN	44.5	IAML			14:31	05.68	4	0.14		
AT10	HN	219.0	IAML		16:27	39.77	11	0.30		LINV	HZ	50.1	EP			14:30	54.32			0.11	
AT10	HE	219.0	IAML		16:27	41.74	11	0.30		LINV	HN	50.1	ES			14:31	00.49			-0.19	
EDMD	HZ	231.0	EP		16:27	10.93			-0.42	LINV	HE	50.1	IAML			14:31	08.53	8	0.10		
EDMD	HN	231.0	IAML		16:27	35.85	18	0.48		LINV	HN	50.1	IAML			14:31	09.25	5	0.10		
EDMD	HE	231.0	IAML		16:27	43.32	15	0.22		GVIE	HZ	82.5	EP			14:30	58.91			-0.44	
IWEX	HZ	232.0	EP		16:27	11.21			-0.35	BIGH	HZ	122.0	EP			14:31	05.71			0.31	
IWEX	HE	232.0	IAML		16:27	42.90	4	0.36		BIGH	HN	122.0	IAML			14:31	21.75	16	0.22		
IWEX	HN	232.0	IAML		16:27	44.18	4	0.52		BIGH	HE	122.0	IAML			14:31	21.75	13	0.48		
DYA	HE	283.0	IAML		16:27	56.50	4	0.24		MCD	HZ	126.0	EP			14:31	06.14			0.10	
DYA	HN	283.0	IAML		16:27	56.84	4	0.38		MCD	HN	126.0	ES			14:31	21.21			0.06	
										MCD	HE	126.0	IAML			14:31	25.32	6	0.26		
										MCD	HN	126.0	IAML			14:31	26.20	6	1.04		
October 12 2024					Time: 19:56 04.1 UTC				Magnitude: 0.8 ML	PITL	HZ	145.0	EP			14:31	09.45			0.68	
Lat: 51.940					Lon: -7.021				Depth: 2.6 km	PITL	HN	145.0	IAML			14:31	28.18	2	0.22		
Grid Ref: 54.98 kmE					238.80 kmN				RMS: 0.20 secs	PITL	HE	145.0	IAML			14:31	30.01	3	0.60		
Locality: CELTIC SEA										LAW	HZ	161.0	EP			14:31	11.25			0.22	
Velocity model: Lownet					Xnear: 100.0				Xfar: 200.0	LAW	HE	161.0	IAML			14:31	33.63	4	0.28		
Comment: 25KM SOUTH TRAMORE										LAW	HN	161.0	IAML			14:31	34.27	3	0.64		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	TARL	HZ	161.0	EP			14:31	10.36			-0.70
IWEX	HZ	51.2	EP			19:56	13.70			-0.06	TARL	HN	161.0	IAML			14:31	30.54	5	0.16	
IWEX	HN	51.2	ES			19:56	20.80			0.01	TARL	HE	161.0	IAML			14:31	30.70	6	0.20	
DSB	HZ	152.0	EP			19:56	29.50			0.39	INVG	HZ	163.0	EP			14:31	12.10			0.75
DSB	HN	152.0	ES			19:56	47.28			-0.07	INVG	HN	163.0	ES			14:31	30.30			-0.05
DSB	HN	152.0	IAML			19:56	49.37	2	0.19		INVG	HE	163.0	IAML			14:31	32.27	3	0.22	
DSB	HE	152.0	IAML			19:56	49.96	2	0.22		INVG	HN	163.0	IAML			14:31	32.48	3	0.40	
RSBS	HZ	156.0	EP			19:56	29.63			-0.23	EAB	HE	180.0	IAML			14:31	37.48	3	0.94	
RSBS	HN	156.0	ES			19:56	48.78			0.14	EAB	HN	180.0	IAML			14:31	40.92	2	0.54	
RSBS	HN	156.0	IAML			19:56	51.11	1	0.21												
RSBS	HE	156.0	IAML			19:56	51.97	1	0.10												
October 12 2024					Time: 23:18 44.2 UTC				Magnitude: 0.5 ML	October 23 2024 Time: 03:13 48.1 UTC Magnitude: 0.3 ML											
Lat: 50.976					Lon: -4.193				Depth: 3.2 km												

TABLE 2 : PHASE DATA

LLW	BN	51.4	ES	03:14	03.13				-0.32	MCH1	HE	196.0	IAML	05:10	55.72	2	0.32		
LLW	BN	51.4	IAML	03:14	04.12	1	0.17			MCH1	HN	196.0	IAML	05:10	58.35	3	0.38		
LLW	BE	51.4	IAML	03:14	04.14	1	0.09			MONM	HZ	218.0	EP	05:10	35.71		0.65		
HLM1	HZ	56.6	EP	03:13	57.80				-0.04	MONM	HN	218.0	IAML	05:11	02.53	3	0.27		
HLM1	HN	56.6	ES	03:14	04.68				-0.24	MONM	HE	218.0	IAML	05:11	02.99	3	0.48		
HLM1	HE	56.6	IAML	03:14	04.90	4	0.12												
HLM1	HN	56.6	IAML	03:14	05.04	16	0.25			October 27 2024		Time: 05:25 48.9 UTC		Magnitude: 0.9 ML					
MCH1	HZ	63.9	EP	03:13	59.02			0.08		Lat: 52.981		Lon: -5.407		Depth: 8.6 km					
MCH1	HE	63.9	ES	03:14	06.73			-0.08		Grid Ref: 171.31 kmE		348.09 kmN		RMS: 0.30 secs					
MCH1	HN	63.9	IAML	03:14	06.96	1	0.24			Locality: IRISH SEA									
MCH1	HE	63.9	IAML	03:14	07.10	1	0.19			Velocity model: Lownet		Xnear: 100.0		Xfar: 300.0					
FOEL	HZ	64.8	EP	03:13	59.25			0.13		Comment: 40KM EAST WICKLOW									
MONM	HZ	85.8	EP	03:14	02.70			0.39		STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES
RSBS	HZ	87.1	EP	03:14	02.67			0.12		DSB	HZ	71.2	EP		05:26	01.11			0.36
RSBS	HN	87.1	IAML	03:14	15.61	1	0.13			DSB	HT	71.2	ES		05:26	08.99			-0.44
RSBS	HE	87.1	IAML	03:14	16.25	1	0.06			DSB	HE	71.2	IAML		05:26	09.20	2	0.21	
WLF1	HZ	111.0	EP	03:14	06.69			0.44		DSB	HN	71.2	IAML		05:26	09.32	4	1.18	
WLF1	HN	111.0	ES	03:14	19.49			0.03		WLF1	HZ	75.8	EP		05:26	01.26			-0.22
WLF1	HE	111.0	IAML	03:14	20.11	1	0.14			WLF1	HE	75.8	IAML		05:26	11.06	2	0.13	
WLF1	HN	111.0	IAML	03:14	20.20	1	0.31			WLF1	HN	75.8	IAML		05:26	12.66	2	0.12	
October 24 2024				Time: 18:16 51.4 UTC		Magnitude: 0.9 ML													
Lat: 51.522				Lon: -3.289		Depth: 7.6 km													
Grid Ref: 310.58 kmE				181.18 kmN		RMS: 0.10 secs													
Locality: PENTYRCH,S GLAMORGAN																			
Velocity model: Lownet				Xnear: 100.0		Xfar: 200.0													
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES	WPS	HN	76.6	IAML		05:26	11.06	3	0.90	
MONM	HZ	48.6	EP		18:16	59.81			-0.02	WPS	HE	76.6	IAML		05:26	13.26	4	0.60	
MONM	HN	48.6	ES		18:17	06.21			0.24	IWEX	HZ	115.0	EP		05:26	07.67			0.16
MONM	HN	48.6	IAML		18:17	06.37	14	0.12		IWEX	HN	115.0	IAML		05:26	22.91	4	0.48	
MONM	HE	48.6	IAML		18:17	06.47	15	0.15		IWEX	HE	115.0	IAML		05:26	23.02	3	0.50	
MCH1	HZ	56.5	EP		18:17	00.90			-0.17	LLW	BZ	118.0	EP		05:26	08.52			0.47
MCH1	HE	56.5	ES		18:17	07.96			-0.15	LLW	BN	118.0	IAML		05:26	23.75	2	0.15	
MCH1	HN	56.5	IAML		18:17	08.03	5	0.10		LLW	BE	118.0	IAML		05:26	24.15	2	0.85	
MCH1	HE	56.5	IAML		18:17	08.06	18	0.12		RSBS	HZ	123.0	EP		05:26	08.35			-0.41
HEX	HZ	62.1	EP		18:17	02.08			0.15	RSBS	HE	123.0	IAML		05:26	25.01	3	0.70	
HEX	HN	62.1	ES		18:17	09.43			-0.18	RSBS	HN	123.0	IAML		05:26	27.33	3	0.68	
HEX	HE	62.1	IAML		18:17	09.97	9	0.26		ILTH	HZ	132.0	EP		05:26	10.14			0.16
HEX	HN	62.1	IAML		18:17	10.24	8	0.28		ILTH	HN	132.0	IAML		05:26	26.77	3	0.18	
STRD	HZ	82.9	EP		18:17	05.09			-0.06	ILTH	HE	132.0	IAML		05:26	26.82	5	0.22	
RSBS	HZ	111.0	EP		18:17	09.78			0.19	FOEL	HZ	149.0	EP		05:26	12.51			0.02
RSBS	HN	111.0	IAML		18:17	23.78	2	0.08		FOEL	HN	149.0	ES		05:26	29.18			-0.55
RSBS	HE	111.0	IAML		18:17	24.52	3	0.10		FOEL	HE	149.0	IAML		05:26	30.17	6	0.34	
HLM1	HZ	114.0	EP		18:17	10.03			-0.04	FOEL	HN	149.0	IAML		05:26	30.44	5	0.28	
HLM1	HE	114.0	IAML		18:17	23.94	3	0.20		IOMK	HZ	153.0	EP		05:26	13.20			0.17
HLM1	HN	114.0	IAML		18:17	24.04	2	0.26		IOMK	HE	153.0	IAML		05:26	32.02	2	0.37	
DYA	HZ	129.0	EP		18:17	12.37			0.12	IOMK	HN	153.0	IAML		05:26	33.65	2	0.58	
DYA	HN	129.0	IAML		18:17	28.43	2	0.10		HLM1	HZ	178.0	EP		05:26	16.81			0.36
DYA	HE	129.0	IAML		18:17	29.28	4	0.14		HLM1	HN	178.0	ES		05:26	36.84			0.26
October 27 2024				Time: 05:10 02.5 UTC		Magnitude: 1.3 ML													
Lat: 52.989				Lon: -5.390		Depth: 7.5 km													
Grid Ref: 172.50 kmE				348.93 kmN		RMS: 0.30 secs													
Locality: IRISH SEA																			
Velocity model: Lownet				Xnear: 100.0		Xfar: 300.0													
Comment: 40KM EAST WICKLOW																			
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES
DSB	HZ	71.9	EP		05:10	14.82			0.30	HTL	HZ	40.0	EP		19:35	32.93			-0.03
DSB	HN	71.9	ES		05:10	22.81			-0.46	HTL	HE	40.0	ES		19:35	37.99			-0.12
DSB	HE	71.9	IAML		05:10	22.92	7	0.26		HTL	HE	40.0	IAML		19:35	38.07	9	0.10	
DSB	HN	71.9	IAML		05:10	23.25	16	0.40		HTL	HN	40.0	IAML		19:35	38.25	12	0.14	
WLF1	HZ	74.4	EP		05:10	14.90			-0.01	RSBS	HZ	77.5	EP		19:35	38.63			-0.17
WLF1	HN	74.4	ES		05:10	23.60			-0.35	RSBS	HN	77.5	IAML		19:35	50.96	2	0.10	
WLF1	HE	74.4	IAML		05:10	24.88	6	0.15		RSBS	HE	77.5	IAML		19:35	51.12	2	0.08	
WLF1	HN	74.4	IAML		05:10	26.18	7	0.20		HEX	HZ	77.7	EP		19:35	38.72			-0.10
WPS	HZ	75.1	EP		05:10	15.10			0.08	HEX	HN	77.7	IAML		19:35	51.54	5	0.12	
WPS	HN	75.1	IAML		05:10	30.60	5	0.62		HEX	HE	77.7	IAML		19:35	52.33	4	0.11	
WPS	HE	75.1	IAML		05:10	30.78	5	0.32		DYA	HZ	113.0	EP		19:35	44.73			0.40
IWEX	HZ	116.0	EP		05:10	21.20			-0.19	DYA	HN	113.0	IAML		19:35	59.32	3	0.24	
IWEX	HE	116.0	IAML		05:10	36.67	11	0.40		DYA	HE	113.0	IAML		19:36	00.74	2	0.23	
IWEX	HN	116.0	IAML		05:10	37.56	9	0.24		CCA1	HZ	122.0	EP		19:35	45.89			0.18
LLW	BZ	117.0	EP		05:10	21.70			0.15	CCA1	HN	122.0	ES		19:36	00.03			-0.15
LLW	BE	117.0	IAML		05:10	37.44	5	0.20		CCA1	HE	122.0	IAML		19:36	01.35	2	0.12	
LLW	BN	117.0	IAML		05:10	37.57	6	0.10		CCA1	HN	122.0	IAML		19:36	01.86	2	0.08	
RSBS	HZ	123.0	EP		05:10	22.19			-0.36	MCH1	HZ	153.0	EP		19:35	50.68			0.50
RSBS	HN	123.0	IAML		05:10	39.40	4	0.10		MCH1	HE	153.0	IAML		19:36	09.62	2	0.30	
RSBS	HE	123.0	IAML		05:10	40.27	4	0.30		MCH1	HN	153.0	IAML		19:36	10.11	1	0.16	
LPW	HZ	132.0	EP		05:10	24.20			0.40	MONM	HE	157.0	IAML		19:36	11.50	2	0.37	
ILTH	HZ	132.0	EP		05:10	24.10			0.43	MONM	HN	157.0	IAML		19:36	12.74	2	0.53	
ILTH	HN	132.0	IAML		05:10	40.58	11	0.20		November 3 2024		Time: 01:37 47.3 UTC		Magnitude: 0.9 ML					
ILTH	HE	132.0	IAML		05:10	40.63	17	0.22		Lat: 56.406		Lon: -5.669		Depth: 2.6 km					
LPW	HN	132.0	IAML		05:10	41.26	4	0.12		Grid Ref: 173.66 kmE		729.78 kmN		RMS: 0.10 secs					
LPW	HE	132.0	IAML		05:10	44.72	1	0.30		Locality: MULL,ARGYLL & BUTE									
FOEL	HZ	148.0	EP		05:10	25.93			-0.12	Velocity model: Lownet		Xnear: 100.0		Xfar: 200.0					
FOEL	HN	148.0	ES		05:10	42.98			-0.25	STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES
FOEL	HE	148.0	IAML		05:10	43.99	20	0.34		LAW	HZ	23.3	IP	C	01:37	51.76			0.04
FOEL	HN	148.0	IAML		05:10	44.25	16	0.26		LAW	HE	23.3	ES		01:37	54.80			-0.15
IOMK	HZ	152.0	EP		05:10	26.81			0.24	LAW	HN	23.3	IAML		01:37	55.05	16	0.30	
IOMK	HE	152.0	IAML		05:10	45.84	8	0.32		LAW	HE	23.3	IAML		01:38	01.92			0.08
IOMK	HN	152.0	IAML		05:10	46.52	4	0.21		EAB	HZ	85.9	EP		01:38	13.75	8	0.28	
HLM1	HZ	177.0	EP		05:10	30.22			0.12	EAB	HN	85.9	IAML		01:38	14.56	5	0.10	
HLM1	HE	177.0	IAML		05:10	51.30	4	0.14		PGB1	HZ	99.1	EP		01:38	03.89			0.02
HLM1	HN	177.0	IAML		05:10	51.90	5	0.28		PGB1	HN	99.1	IAML		01:38	16.91	5	0.56	
MCH1	HZ	196.0	EP		05:10	32.79			0.36	PGB1	HE	99.1	IAML		01:38	17.43	4	0.28	
										INVG	HZ	100.0	EP		01:38	04.12			0.05

TABLE 2 : PHASE DATA

INVG	HE	100.0	ES	01:38	16.27			-0.05	ESK	HN	178.0	IAML	21:30	28.64	2	1.12	
INVG	HE	100.0	IAML	01:38	17.37	2	0.10										
INVG	HN	100.0	IAML	01:38	17.78	4	0.46		November 6 2024				Time: 12:58	41.8	UTC		Magnitude: 0.9 ML
GVIE	HZ	103.0	EP	01:38	04.64			0.09	Lat: 57.507				Lon: -5.844				Depth: 4.2 km
GVIE	HE	103.0	IAML	01:38	19.55	3	0.82		Grid Ref: 169.77	kmE	852.80	kmN					RMS: 0.30 secs
GVIE	HN	103.0	IAML	01:38	23.02	3	0.86		Locality: APPLECROSS,HIGHLAND								
KPL	HZ	104.0	EP	01:38	04.54			-0.03	Velocity model: Lownet	Xnear: 100.0	Xfar: 500.0						
KPL	HE	104.0	ES	01:38	17.06			-0.13	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL PERI RES
KPL	HE	104.0	IAML	01:38	18.49	3	0.64		KPL	HZ	22.0	IP		D	12:58	46.49	0.46
KPL	HN	104.0	IAML	01:38	34.23	2	0.52		KPL	HE	22.0	ES			12:58	48.84	-0.26
PITL	HZ	135.0	EP	01:38	09.67			0.19	KPL	HE	22.0	IAML			12:58	49.00	43 0.12
PITL	HN	135.0	IAML	01:38	28.24	3	0.10		KPL	HN	22.0	IAML			12:58	49.01	16 0.10
PITL	HE	135.0	IAML	01:38	28.37	3	0.12		LINV	HZ	81.0	EP			12:58	55.25	-0.21
CLGH	HN	150.0	IAML	01:38	28.86	2	0.16		LINV	HN	81.0	IAML			12:59	06.90	2 0.58
CLGH	HE	150.0	IAML	01:38	31.18	2	1.00		LINV	HE	81.0	IAML			12:59	06.93	4 0.14
EDI	HN	163.0	IAML	01:38	31.33	4	0.66		LAW	HZ	142.0	EP			12:59	04.29	-0.42
EDI	HE	163.0	IAML	01:38	35.78	2	0.90		LAW	HE	142.0	ES			12:59	21.66	0.24
NEWG	HE	170.0	IAML	01:38	35.52	2	0.54		LAW	HE	142.0	IAML			12:59	24.00	5 0.34
NEWG	HN	170.0	IAML	01:38	35.52	1	0.54		LAW	HN	142.0	IAML			12:59	24.03	4 0.18
GALL	HN	182.0	IAML	01:38	32.34	1	0.70		PITL	HZ	156.0	EP			12:59	06.77	-0.07
GALL	HE	182.0	IAML	01:38	37.00	2	0.70		PITL	HN	156.0	IAML			12:59	24.78	1 0.16
ESK	HE	196.0	IAML	01:38	45.18	2	0.50		PITL	HE	156.0	IAML			12:59	25.90	1 0.32
ESK	HN	196.0	IAML	01:38	48.34	1	0.60		BIGH	HZ	159.0	EP			12:59	07.44	0.31
									BIGH	HE	159.0	IAML			12:59	23.35	3 0.96
November 4 2024				Time: 17:44	29.0	UTC		Magnitude: 0.9 ML	BIGH	HN	159.0	IAML			12:59	30.78	2 0.68
Lat: 51.994				Lon: -2.921				Depth: 15.1 km	INVG	HZ	163.0	EP			12:59	07.75	-0.01
Grid Ref: 336.77	kmE	233.29	kmN					RMS: 0.20 secs	INVG	HN	163.0	IAML			12:59	26.70	1 0.48
Locality: BACTON,HEREFORDSHIRE									INVG	HE	163.0	IAML			12:59	27.58	2 0.52
Velocity model: Lownet	Xnear: 100.0	Xfar: 200.0							EAB	HE	173.0	IAML			12:59	29.99	2 0.52
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL PERI RES	EAB	HN	173.0	IAML			12:59	31.58	2 0.70
MCH1	HZ	5.3	IP		D	17:44	31.79	-0.06									
MCH1	HN	5.3	ES			17:44	34.15	0.21	November 8 2024				Time: 07:55	14.5	UTC		Magnitude: 1.3 ML
MCH1	HN	5.3	IAML			17:44	34.24	38 0.09	Lat: 57.025				Lon: -5.782				Depth: 6.0 km
MCH1	HE	5.3	IAML			17:44	34.31	11 0.07	Grid Ref: 170.50	kmE	798.99	kmN					RMS: 0.40 secs
MONM	HZ	19.0	IP		D	17:44	33.05	-0.16	Locality: LOCH NEVIS,HIGHLAND								
MONM	HE	19.0	ES			17:44	36.30	0.01	Velocity model: Lownet	Xnear: 100.0	Xfar: 300.0						
MONM	HN	19.0	IAML			17:44	36.37	12 0.18	Comment: 3KM NE MALLAIG								
MONM	HE	19.0	IAML			17:44	36.43	16 0.16	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL PERI RES
STRD	HZ	57.5	EP			17:44	38.77	-0.12	KPL	HZ	35.9	EP			07:55	20.69	-0.28
STRD	HE	57.5	ES			17:44	46.28	0.16	KPL	HE	35.9	ES			07:55	25.11	-0.61
STRD	HE	57.5	IAML			17:44	46.58	20 0.16	KPL	HE	35.9	IAML			07:55	25.34	14 0.44
STRD	HN	57.5	IAML			17:44	46.66	28 0.42	KPL	HN	35.9	IAML			07:55	25.52	6 0.12
HLMI	HZ	58.4	EP			17:44	38.81	-0.26	GVIE	HZ	74.6	EP			07:55	27.06	-0.04
HLMI	HN	58.4	ES			17:44	46.26	-0.17	GVIE	HN	74.6	ES			07:55	35.93	-0.40
HLMI	HN	58.4	IAML			17:44	46.66	6 0.52	GVIE	HE	74.6	IAML			07:55	36.22	10 0.14
HLMI	HE	58.4	IAML			17:44	46.71	12 0.40	GVIE	HN	74.6	IAML			07:55	36.65	15 0.16
FOEL	HZ	101.0	EP			17:44	45.91	0.45	LAW	HZ	88.3	EP			07:55	29.13	0.01
FOEL	HE	101.0	IAML			17:44	57.81	3 0.66	LAW	HE	88.3	ES			07:55	39.26	-0.56
FOEL	HN	101.0	IAML			17:45	02.47	4 0.74	LAW	HE	88.3	IAML			07:55	39.45	12 0.34
LLW	BZ	108.0	EP			17:44	46.48	0.17	LAW	HN	88.3	IAML			07:55	39.64	10 0.40
RSBS	HZ	125.0	EP			17:44	48.51	-0.34	INVG	HZ	125.0	EP			07:55	35.31	0.41
RSBS	HN	125.0	IAML			17:45	04.78	4 0.28	INVG	HE	125.0	ES			07:55	50.20	0.37
RSBS	HE	125.0	IAML			17:45	04.88	4 0.10	INVG	HN	125.0	IAML			07:55	50.88	8 0.10
									INVG	HE	125.0	IAML			07:55	51.98	9 0.14
November 5 2024				Time: 21:29	31.1	UTC		Magnitude: 1.3 ML	EAB	HZ	129.0	EP			07:55	35.91	0.55
Lat: 54.540				Lon: -0.773				Depth: 2.6 km	EAB	HN	129.0	IAML			07:55	52.97	10 0.10
Grid Ref: 479.38	kmE	516.79	kmN					RMS: 0.50 secs	EAB	HE	129.0	IAML			07:55	53.06	12 0.34
Locality: HINDERWELL,N YORKSHIRE									LINV	HZ	130.0	EP			07:55	35.94	0.45
Velocity model: Lownet	Xnear: 100.0	Xfar: 300.0							LINV	HE	130.0	ES			07:55	51.58	0.73
Comment: FELT STAIRTHES								Intensity: 2	LINV	HE	130.0	IAML			07:55	52.07	18 0.14
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL PERI RES	LINV	HN	130.0	IAML			07:55	52.70	7 0.14
GDLE	HZ	13.4	EP			21:29	33.09	-0.78	PITL	HZ	135.0	EP			07:55	36.35	0.06
GDLE	HN	13.4	IAML			21:29	34.79	215 0.26	PITL	HE	135.0	IAML			07:55	53.92	7 0.10
GDLE	HE	13.4	IAML			21:29	37.58	283 0.40	PITL	HN	135.0	IAML			07:55	54.47	6 0.24
AU08	HZ	46.9	EP			21:29	39.72	0.19	PGB1	HN	157.0	IAML			07:56	00.57	6 0.22
AU08	HN	46.9	IAML			21:29	52.26	16 0.38	PGB1	HE	157.0	IAML			07:56	00.74	8 0.26
AU08	HE	46.9	IAML			21:29	52.36	16 0.64	BIGH	HN	198.0	IAML			07:56	11.19	2 0.16
CTON	HZ	82.1	EP			21:29	44.74	-0.34	BIGH	HE	198.0	IAML			07:56	13.39	3 0.32
CTON	HE	82.1	IAML			21:29	58.97	8 0.18									
CTON	HN	82.1	IAML			21:30	01.23	13 0.46	November 8 2024				Time: 07:55	23.9	UTC		Magnitude: 1.3 ML
EDMD	HZ	83.2	EP			21:29	44.85	-0.33	Lat: 57.025				Lon: -5.782				Depth: 6.0 km
EDMD	HE	83.2	IAML			21:29	59.83	17 0.18	Grid Ref: 170.50	kmE	798.99	kmN					RMS: 0.20 secs
EDMD	HN	83.2	IAML			21:30	00.01	15 0.20	Locality: LOCH NEVIS,HIGHLAND								
HPK	HZ	85.2	EP			21:29	45.64	0.10	Velocity model: Lownet	Xnear: 100.0	Xfar: 300.0						
HPK	HE	85.2	IAML			21:30	00.17	17 0.32	Comment: 3KM NE MALLAIG								
HPK	HN	85.2	IAML			21:30	02.50	12 0.32	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL PERI RES
LMK	HE	124.0	IAML			21:30	11.33	22 0.32	KPL	HE	35.8	IAML			07:55	34.05	18 0.44
LMK	HN	124.0	IAML			21:30	12.27	19 0.32	KPL	HN	35.8	IAML			07:55	34.05	11 0.52
AR07	HZ	125.0	EP			21:29	52.50	0.74	GVIE	HN	74.6	IAML			07:55	45.59	13 0.10
AR07	HN	125.0	ES			21:30	07.02	0.18	GVIE	HE	74.6	IAML			07:55	45.89	9 0.09
AR07	HE	125.0	IAML			21:30	10.81	20 0.28	LAW	HN	88.4	IAML			07:55	48.46	10 0.40
AR07	HE	125.0	IAML			21:30	13.02	12 0.26	LAW	HE	88.4	IAML			07:55	48.46	9 0.31
AQ12	HZ	129.0	EP			21:29	52.60	0.29	INVG	HZ	126.0	EP			07:55	44.29	-0.08
AQ12	HN	129.0	IAML			21:30	10.05	4 0.12	INVG	HN	126.0	ES			07:55	59.39	0.09
AQ12	HE	129.0	IAML			21:30	12.20	3 0.54	INVG	HE	126.0	IAML			07:56	00.40	8 0.10
LBWR	HZ	141.0	EP			21:29	54.62	0.48	INVG	HN	126.0	IAML			07:56	00.60	8 0.30
KESW	HZ	151.0	EP			21:29	55.96	0.46	EAB	HZ	129.0	EP			07:55	44.83	0.01
KESW	HE	151.0	IAML			21:30	19.25	4 0.52	EAB	HE	129.0	IAML			07:56	01.19	12 0.44
KESW	HN	151.0	IAML			21:30	19.41	3 0.44	EAB	HN	129.0	IAML			07:56	01.80	9 0.36
AP12	HE	164.0	EP			21:29	57.47	0.13	LINV	HZ	130.0	EP			07:55	44.85	-0.09
AP12	HN	164.0	ES			21:30	15.72	-0.78	LINV	HE	130.0	ES			07		

TABLE 2 : PHASE DATA

PITL	HN	135.0	IAML	07:56	03.31	8	0.09
PITL	HE	135.0	IAML	07:56	03.34	8	0.09
PGB1	HN	157.0	IAML	07:56	08.96	6	0.39
PGB1	HE	157.0	IAML	07:56	10.15	6	0.45
BIGH	HN	198.0	IAML	07:56	21.22	3	0.40
BIGH	HE	198.0	IAML	07:56	21.71	3	0.56

November 8 2024 Time: 07:59 24.9 UTC Magnitude: 1.5 ML
Lat: 57.030 Lon: -5.789 Depth: 5.8 km
Grid Ref: 170.10 kmE 799.57 kmN RMS: 0.40 secs
Locality: LOCH NEVIS, HIGHLAND
Velocity model: Lownet Xnear: 100.0 Xfar: 300.0
Comment: 3KM NE MALLAIG

STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	35.4	EP		07:59	31.32			-0.04
KPL	HE	35.4	ES		07:59	35.78			-0.30
KPL	HN	35.4	IAML		07:59	36.14	10	0.12	
KPL	HE	35.4	IAML		07:59	36.18	16	0.12	
GVIE	HZ	75.0	EP		07:59	37.69			0.03
GVIE	HN	75.0	ES		07:59	46.57			-0.42
GVIE	HN	75.0	IAML		07:59	47.38	20	0.10	
GVIE	HE	75.0	IAML		07:59	50.96	11	0.50	
LAWE	HZ	89.0	EP		07:59	39.65			-0.09
LAWE	HE	89.0	ES		07:59	49.91			-0.67
LAWE	HN	89.0	IAML		07:59	50.28	14	0.38	
LAWE	HE	89.0	IAML		07:59	54.08	13	0.46	
INVG	HZ	126.0	EP		07:59	46.03			0.51
INVG	HE	126.0	ES		08:00	00.78			0.19
INVG	HN	126.0	IAML		08:00	01.52	12	0.10	
INVG	HE	126.0	IAML		08:00	02.24	12	0.12	
EAB	HZ	129.0	EP		07:59	46.55			0.55
EAB	HE	129.0	IAML		08:00	03.56	17	0.32	
EAB	HN	129.0	IAML		08:00	04.57	12	0.36	
LINV	HZ	129.0	EP		07:59	46.57			0.61
LINV	HE	129.0	ES		08:00	01.10			-0.24
LINV	HE	129.0	IAML		08:00	02.71	26	0.14	
LINV	HN	129.0	IAML		08:00	03.33	8	0.14	
PITL	HZ	135.0	EP		07:59	47.18			0.28
PITL	HN	135.0	ES		08:00	03.15			0.17
PITL	HN	135.0	IAML		08:00	04.96	10	0.26	
PITL	HE	135.0	IAML		08:00	05.00	9	0.38	
PGB1	HN	158.0	IAML		08:00	11.24	8	0.20	
PGB1	HE	158.0	IAML		08:00	11.31	8	0.20	
MCD	HN	165.0	IAML		08:00	13.77	8	0.52	
MCD	HE	165.0	IAML		08:00	23.76	7	0.72	
BIGH	HN	198.0	IAML		08:00	22.72	4	0.18	
BIGH	HE	198.0	IAML		08:00	28.58	4	0.20	
DRUM	HN	201.0	IAML		08:00	25.39	7	0.46	
DRUM	HE	201.0	IAML		08:00	29.06	8	0.68	
EDI	HN	202.0	IAML		08:00	22.35	11	0.46	
EDI	HE	202.0	IAML		08:00	23.18	10	0.24	
CLGH	HN	218.0	IAML		08:00	25.61	5	0.92	
CLGH	HE	218.0	IAML		08:00	31.91	6	0.34	
ESY	HE	232.0	IAML		08:00	30.87	4	0.50	
ESY	HN	232.0	IAML		08:00	31.75	5	0.38	
NEWG	HN	234.0	IAML		08:00	30.83	3	0.40	
NEWG	HE	234.0	IAML		08:00	32.63	3	0.34	
ESK	HN	249.0	IAML		08:00	37.50	4	0.34	
ESK	HE	249.0	IAML		08:00	37.78	3	0.50	

November 8 2024 Time: 08:28 05.6 UTC Magnitude: 1.2 ML
Lat: 50.167 Lon: -5.399 Depth: 7.7 km
Grid Ref: 157.30 kmE 35.26 kmN RMS: 0.10 secs
Locality: HAYLE, CORNWALL
Velocity model: Cornwall Xnear: 50.0 Xfar: 100.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CCA1	HZ	12.4	IP		D	08:28	08.16			0.00
CCA1	HN	12.4	ES			08:28	10.17			0.03
CCA1	HN	12.4	IAML			08:28	10.26	53	0.12	
CCA1	HE	12.4	IAML			08:28	10.29	69	0.07	
GEL05	CZ	12.5	IP		D	08:28	08.18			0.02
GEL05	CN	12.5	ES			08:28	10.18			0.04
GEL05	CN	12.5	IAML			08:28	10.26	71	0.13	
GEL05	CE	12.5	IAML			08:28	10.31	89	0.07	
GEL09	CZ	16.4	IP		D	08:28	08.66			-0.10
GEL09	CN	16.4	IAML			08:28	11.07	103	0.10	
GEL09	CE	16.4	IAML			08:28	11.11	79	0.06	
GEL02	CZ	17.7	IP		D	08:28	08.95			-0.01
GEL02	CN	17.7	ES			08:28	11.49			-0.06
GEL02	CN	17.7	IAML			08:28	11.62	80	0.07	
GEL02	CE	17.7	IAML			08:28	11.67	105	0.05	
GEL07	CZ	18.0	EP			08:28	08.99			-0.01
GEL07	CN	18.0	IAML			08:28	11.63	30	0.10	
GEL07	CE	18.0	IAML			08:28	12.15	20	0.14	
GEL03	CZ	19.6	IP		D	08:28	09.29			0.02
GEL03	CE	19.6	IAML			08:28	12.14	148	0.09	
GEL03	CN	19.6	IAML			08:28	12.25	91	0.06	
SBD	BZ	67.4	EP			08:28	17.54			0.16
SBD	BE	67.4	IAML			08:28	27.50	8	0.11	
SBD	BN	67.4	IAML			08:28	27.52	10	0.15	
DYA	HZ	109.0	EP			08:28	23.92			0.40
DYA	HN	109.0	ES			08:28	37.00			-0.33
DYA	HN	109.0	IAML			08:28	38.11	5	0.12	
DYA	HE	109.0	IAML			08:28	38.17	4	0.12	

HTL	HZ	113.0	EP	08:28	24.54		0.50
HTL	HN	113.0	ES	08:28	37.56		-0.68
HTL	HE	113.0	IAML	08:28	38.37	7 0.24	
HTL	HN	113.0	IAML	08:28	38.52	9 0.20	

November 9 2024 Time: 00:15 47.8 UTC Magnitude: 0.4 ML
 Lat: 57.032 Lon: -5.794 Depth: 6.6 km
 Grid Ref: 169.81 kmE 799.81 kmN RMS: 0.40 secs
 Locality: LOCH NEVIS,HIGHLAND
 Velocity model: Lownet Xnear: 80.0 Xfar: 160.0
 Comment: 3KM NE MALLAIG

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	35.3	EP			00:15	54.38			0.16
KPL	HN	35.3	ES			00:15	58.69			-0.19
KPL	HE	35.3	IAML			00:15	58.95	2	0.27	
KPL	HN	35.3	IAML			00:15	58.97	1	0.19	
GVIE	HZ	75.3	EP			00:16	00.79			0.23
GVIE	HE	75.3	ES			00:16	09.62			-0.21
GVIE	HN	75.3	IAML			00:16	10.30	2	0.14	
GVIE	HE	75.3	IAML			00:16	10.71	1	0.10	
LAWE	HN	89.3	ES			00:16	13.01			-0.40
LAWE	HE	89.3	IAML			00:16	13.24	1	0.24	
LAWE	HN	89.3	IAML			00:16	13.44	1	0.22	
INVG	HZ	127.0	EP			00:16	08.97			0.56
INVG	HE	127.0	IAML			00:16	25.67	1	0.17	
INVG	HN	127.0	IAML			00:16	26.16	1	0.23	
LINV	HZ	129.0	EP			00:16	09.50			0.75
LINV	HE	129.0	IAML			00:16	25.63	2	0.14	
LINV	HN	129.0	IAML			00:16	26.38	1	0.11	
EAB	HZ	130.0	EP			00:16	09.29			0.43
EAB	HE	130.0	IAML			00:16	26.51	2	0.25	
EAB	HN	130.0	IAML			00:16	26.59	1	0.13	
PITL	HZ	136.0	EP			00:16	10.30			0.54
PITL	HN	136.0	IAML			00:16	28.13	1	0.11	
PITL	HE	136.0	IAML			00:16	29.15	1	0.16	
TARL	HN	178.0	IAML			00:16	38.01	1	0.10	
TARL	HE	178.0	IAML			00:16	38.63	2	0.22	

November 10 2024 Time: 08:37 06.0 UTC Magnitude: 0.9 ML
Lat: 56.418 Lon: -3.962 Depth: 3.9 km
Grid Ref: 278.98 kmE 726.80 kmN RMS: 0.50 secs
Locality: COMRIE, PERTH & KINROSS
Velocity model: LowNet Xnear: 100.0 Xfar: 200.0
Comment: 5KM NORTH COMRIE

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	5.1	IP		C	08:37	07.45			0.05
INVG	HN	5.1	ES			08:37	08.41			-0.04
INVG	HN	5.1	IAML			08:37	08.44	58	0.10	
INVG	HE	5.1	IAML			08:37	08.46	60	0.10	
PITL	HZ	50.0	EP			08:37	15.32			0.44
LAWH	HZ	90.6	EP			08:37	21.05			-0.07
LAWH	HE	90.6	ES			08:37	31.91			-0.28
LAWH	HE	90.6	IAML			08:37	35.63	8	0.16	
LAWH	HN	90.6	IAML			08:37	35.77	6	0.44	
ESY	HN	101.0	IAML			08:37	35.04	2	0.62	
ESY	HE	101.0	IAML			08:37	35.07	2	0.30	
DRUM	HZ	106.0	EP			08:37	22.73			-0.79
DRUM	HN	106.0	IAML			08:37	40.27	4	0.54	
DRUM	HE	106.0	IAML			08:37	40.42	4	0.96	
ESK	HZ	131.0	EP			08:37	28.18			0.70
ESK	HN	131.0	IAML			08:37	44.43	3	0.18	
ESK	HE	131.0	IAML			08:37	44.68	2	0.22	
MCD	HZ	137.0	EP			08:37	27.95			-0.27
MCD	HN	137.0	IAML			08:37	48.78	4	0.50	
MCD	HE	137.0	IAML			08:37	50.01	5	1.04	
KPL	HZ	145.0	EP			08:37	30.71			1.30
KPL	HN	145.0	IAML			08:37	50.32	2	0.54	
KPL	HE	145.0	IAML			08:37	50.46	2	0.72	
NEWG	HE	146.0	IAML			08:37	47.57	1	0.42	
NEWG	HN	146.0	IAML			08:37	53.24	2	0.82	

November 10 2024 Time: 13:13 21.3 UTC Magnitude: 2.2 ML
Lat: 51.775 Lon: -1.073 Depth: 2.6 km
Grid Ref: 463.95 kmE 208.94 kmN RMS: 0.30 secs
Locality: WORMINGHALL, BUCKS

Velocity model: Lownet Xnear: 150.0 Xfar: 300.0										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
SKP	HZ	19.1	IP		D	13:13	24.80			-0.27
SKP	HN	19.1	ES			13:13	27.66			-0.13
SKP	HN	19.1	IAML			13:13	27.86	878	0.13	
SKP	HE	19.1	IAML			13:13	27.91	856	0.30	
BUW	HZ	42.0	EP			13:13	29.03			0.10
BUW	HE	42.0	ES			13:13	34.58			0.11
BUW	HE	42.0	IAML			13:13	35.04	354	0.56	
BUW	HN	42.0	IAML			13:13	37.95	170	0.32	
WOL	BZ	52.4	EP			13:13	30.80			0.14
STRD	HZ	75.2	EP			13:13	34.34			0.14
STRD	HN	75.2	IAML			13:13	51.89	109	0.82	
STRD	HE	75.2	IAML			13:13	53.21	67	0.44	
BRDL	HE	86.1	IAML			13:13	52.83	51	0.38	
BRDL	HN	86.1	IAML			13:13	56.01	25	0.14	
MONM	HZ	120.0	EP			13:13	41.29			0.22
MONM	HN	120.0	ES			13:13	55.50			0.01
MONM	HN	120.0	IAML			13:13	55.67	56	0.34	

TABLE 2 : PHASE DATA

MONM	HE	120.0	IAML	13:13	56.00	46	0.12								November 11 2024	Time: 23:03 51.7 UTC	Magnitude: 1.2 ML									
MCH1	HZ	135.0	EP	13:13	43.27			-0.16							Lat: 50.768	Lon: -0.938	Depth: 2.5 km									
MCH1	HE	135.0	ES	13:13	59.02			-0.53							Grid Ref: 474.88 kmE	97.09 kmN	RMS: 0.10 secs									
MCH1	HN	135.0	IAML	13:13	59.33	46	0.16								Locality: HAYLING ISLAND,HANTS											
MCH1	HE	135.0	IAML	13:13	59.72	37	0.22								Velocity model: Lownet	Xnear: 150.0	Xfar: 300.0									
ELMS	HZ	146.0	EP	13:13	45.26			0.24							STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	
ELMS	HN	146.0	IAML	13:14	03.26	66	0.38								WOL	BZ	63.8	EP			23:04	02.72			-0.08	
ELMS	HE	146.0	IAML	13:14	07.57	47	0.48								WOL	BN	63.8	ES			23:04	10.93			0.02	
HLMI	HZ	149.0	EP	13:13	45.45			-0.02							WOL	BN	63.8	IAML			23:04	11.80	5	0.27		
HLMI	HN	149.0	ES	13:14	02.92			-0.17							WOL	BE	63.8	IAML			23:04	12.66	6	0.32		
HLMI	HN	149.0	IAML	13:14	03.38	39	0.50								HMNX	HN	90.5	ES			23:04	17.93			-0.11	
HLMI	HE	149.0	IAML	13:14	04.13	78	0.24								SWN1	HZ	103.0	EP			23:04	08.73			-0.08	
STNC	HZ	166.0	EP	13:13	47.68			-0.13							SWN1	HE	103.0	IAML			23:04	23.85	7	0.18		
STNC	HE	166.0	IAML	13:14	09.16	132	0.24								SWN1	HN	103.0	IAML			23:04	24.09	6	0.14		
STNC	HN	166.0	IAML	13:14	09.17	89	0.32								SKP	HZ	106.0	EP			23:04	09.52			0.09	
ELSH	HN	169.0	IAML	13:14	11.48	34	0.20								SKP	HE	106.0	IAML			23:04	24.38	33	0.26		
ELSH	HE	169.0	IAML	13:14	12.89	32	0.20								SKP	HN	106.0	IAML			23:04	25.71	16	0.28		
LBWR	HZ	186.0	EP	13:13	50.36			-0.21							STRD	HZ	141.0	EP			23:04	14.67			-0.01	
LBWR	HE	186.0	ES	13:14	12.17			0.25							STRD	HN	141.0	IAML			23:04	32.78	6	0.17		
LBWR	HN	186.0	IAML	13:14	13.84	45	0.54								STRD	HE	141.0	IAML			23:04	33.78	6	0.27		
LBWR	HE	186.0	IAML	13:14	15.50	33	0.34								ELSH	HZ	152.0	EP			23:04	16.40			0.21	
FOEL	HZ	191.0	EP	13:13	51.28			0.13							ELSH	HN	152.0	ES			23:04	34.06			-0.02	
FOEL	HN	191.0	ES	13:14	13.87			0.95							MONM	HZ	176.0	EP			23:04	19.46			-0.21	
FOEL	HE	191.0	IAML	13:14	15.91	18	0.24								MCH1	HZ	198.0	EP			23:04	22.46			0.05	
FOEL	HN	191.0	IAML	13:14	16.51	20	0.62								MCH1	HN	198.0	ES			23:04	45.02			0.20	
HEX	HZ	206.0	EP	13:13	52.78			-0.17							MCH1	HE	198.0	IAML			23:04	48.47	2	0.19		
HEX	HN	206.0	IAML	13:14	19.45	21	0.32								MCH1	HN	198.0	IAML			23:04	49.07	2	0.25		
HEX	HE	206.0	IAML	13:14	19.49	12	0.38								DYA	HZ	215.0	EP			23:04	24.62			0.08	
DYA	HZ	249.0	EP	13:13	57.88			-0.58							DYA	HN	215.0	IAML			23:04	53.18	3	0.32		
DYA	HE	249.0	IAML	13:14	32.59	10	0.14								DYA	HE	215.0	IAML			23:04	53.79	2	0.31		
DYA	HN	249.0	IAML	13:14	33.78	7	0.32																			
HTL	HZ	253.0	EP	13:13	58.57			-0.26							November 12 2024	Time: 12:57 48.6 UTC	Magnitude: 0.8 ML									
HTL	HN	253.0	IAML	13:14	34.18	7	0.27								Lat: 52.985	Lon: -5.368	Depth: 8.8 km									
HTL	HE	253.0	IAML	13:14	34.71	9	0.43								Grid Ref: 173.95 kmE	348.42 kmN	RMS: 0.50 secs									
															Locality: IRISH SEA											
November 10 2024	Time: 18:26 00.0 UTC	Magnitude: 0.6 ML													Velocity model: Lownet	Xnear: 150.0	Xfar: 300.0									
Lat: 57.422	Lon: -5.940	Depth: 2.9 km													Comment: 45KM EAST WICKLOW											
Grid Ref: 163.47 kmE	843.68 kmN	RMS: 0.10 secs													STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	
Locality: RAASAY,HIGHLAND															WLF1	HZ	73.3	EP			12:58	01.22			0.45	
Velocity model: Lownet	Xnear: 100.0	Xfar: 200.0													WLF1	HN	73.3	ES			12:58	09.46			-0.23	
Comment: INNER SOUND															WLF1	HN	73.3	IAML			12:58	10.00	3	0.22		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES					WLF1	HE	73.3	IAML			12:58	10.82	2	0.14		
KPL	HZ	19.6	IP	D		18:26	03.83			0.02					DSB	HZ	73.4	EP			12:58	00.04			-0.73	
KPL	HN	19.6	ES			18:26	06.48			-0.10					DSB	HN	73.4	ES			12:58	08.88			-0.81	
KPL	HE	19.6	IAML			18:26	06.60	8	0.08						DSB	HN	73.4	IAML			12:58	09.61	3	0.25		
KPL	HN	19.6	IAML			18:26	06.71	10	0.09						DSB	HE	73.4	IAML			12:58	09.88	3	0.14		
GVIE	HZ	90.7	EP			18:26	15.46			0.10					WPS	HZ	74.3	EP			12:58	01.35			0.44	
GVIE	HN	90.7	IAML			18:26	27.42	3	0.28						WPS	HN	74.3	IAML			12:58	10.28	3	0.22		
GVIE	HE	90.7	IAML			18:26	28.49	2	0.36						WPS	HE	74.3	IAML			12:58	10.85	2	0.15		
LINV	HZ	92.0	EP			18:26	15.41			-0.04					LLW	BZ	116.0	EP			12:58	07.76			0.42	
LINV	HE	92.0	ES			18:26	26.74			0.02					LLW	BN	116.0	ES			12:58	20.55			-0.51	
LINV	HN	92.0	IAML			18:26	28.49	1	0.29						IWEX	HZ	117.0	EP			12:58	07.47			-0.09	
LINV	HE	92.0	IAML			18:26	28.88	2	0.18						IWEX	HE	117.0	ES			12:58	21.96			0.53	
LAWE	HZ	134.0	EP			18:26	21.90			0.01					IWEX	HN	117.0	ES			12:58	22.24			0.81	
LAWE	HE	134.0	IAML			18:26	37.14	2	0.15						IWEX	HE	117.0	IAML			12:58	22.78	2	0.19		
LAWE	HN	134.0	IAML			18:26	39.37	3	0.16						IWEX	HN	117.0	IAML			12:58	23.37	2	0.05		
INVG	HZ	160.0	EP			18:26	25.79			0.09					RSBS	HZ	122.0	EP			12:58	08.32			-0.04	
INVG	HE	160.0	IAML			18:26	45.82	1	0.22						RSBS	HN	122.0	ES			12:58	21.95			-0.87	
INVG	HN	160.0	IAML			18:26	45.90	1	0.13						RSBS	HE	122.0	IAML			12:58	23.75	2	0.18		
EAB	HZ	169.0	EP			18:26	26.83			-0.11					RSBS	HN	122.0	IAML			12:58	24.73	2	0.06		
EAB	HN	169.0	IAML			18:26	48.41	1	0.19						FOEL	HZ	146.0	EP			12:58	11.90			0.11	
EAB	HE	169.0	IAML			18:26	48.58	2	0.24						FOEL	HN	146.0	ES			12:58	28.87			0.11	
															FOEL	HE	146.0	IAML			12:58	30.02	5	0.32		
November 11 2024	Time: 21:55 34.7 UTC	Magnitude: 0.5 ML													FOEL	HN	146.0	IAML			12:58	30.26	5	0.26		
Lat: 55.702	Lon: -5.439	Depth: 15.6 km													IOMK	HZ	152.0	EP			12:58	12.76			0.26	
Grid Ref: 183.94 kmE	650.75 kmN	RMS: 0.20 secs													IOMK	HN	152.0	ES			12:58	30.16			0.17	
Locality: CROSSAIG,ARGYLL & BUTE															IOMK	HN	152.0	IAML			12:58	32.93	2	0.22		
Velocity model: Lownet	Xnear: 100.0	Xfar: 200.0													IOMK	HE	152.0	IAML			12:58	32.93	1	0.14		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES					November 14 2024	Time: 18:33 46.7 UTC	Magnitude: 0.6 ML									
PGB1	HZ	61.2	EP			21:55	45.19			-0.03					Lat: 56.995	Lon: -5.802	Depth: 7.2 km									
PGB1	HE	61.2	IAML			21:55	53.36	6	0.28						Grid Ref: 169.10 kmE	795.72 kmN	RMS: 0.40 secs									
PGB1	HN	61.2	IAML			21:55	53.91	4	0.38						Locality: MALLAIG,HIGHLAND											
LAWE	HZ	62.2	EP			21:55	45.55			0.19					Velocity model: Lownet	Xnear: 100.0	Xfar: 200.0									
LAWE	HN	62.2	ES			21:55	52.82			-0.29					STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	
LAWE	HE	62.2	IAML			21:55	54.32	2	0.11						KPL	HZ	39.4	EP			18:33	53.65			-0.04	
LAWE	HE	62.2	IAML			21:55	54.97	4	0.14						KPL	HN	39.4	ES			18:33	58.57			-0.21	
CLGH	HZ	81.0	EP			21:55	48.45																			

TABLE 2 : PHASE DATA

LINV HZ 133.0 EP 18:34 08.57 0.43
 LINV HN 133.0 IAML 18:34 25.37 1 0.09
 LINV HE 133.0 IAML 18:34 25.37 2 0.18
 PITL HZ 136.0 EP 18:34 08.67 0.12
 PITL HN 136.0 IAML 18:34 25.74 1 0.23
 PITL HE 136.0 IAML 18:34 25.78 1 0.09

November 14 2024 Time: 22:15 35.2 UTC Magnitude: 0.5 ML
 Lat: 57.109 Lon: -5.736 Depth: 4.9 km
 Grid Ref: 173.80 kmE 808.18 kmN RMS: 0.20 secs
 Locality: LOCH HOURN,HIGHLAND

Velocity model: Lownet Xnear: 150.0 Xfar: 200.0
 Comment: FELT MALLAIG
 Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	26.1	IP		D	22:15	40.20			0.09
KPL	HE	26.1	ES			22:15	43.48			-0.21
KPL	HE	26.1	IAML			22:15	43.65	4	0.14	
KPL	HN	26.1	IAML			22:15	43.66	2	0.14	
LAW	HZ	96.8	EP			22:15	51.42			0.17
LAW	HN	96.8	ES			22:16	02.63			-0.34
LAW	HN	96.8	IAML			22:16	05.49	4	0.14	
LAW	HE	96.8	IAML			22:16	05.51	4	0.24	
LINV	HZ	120.0	EP			22:15	54.90			0.07
LINV	HN	120.0	IAML			22:16	09.31	1	0.40	
LINV	HE	120.0	IAML			22:16	09.93	2	0.19	
INVG	HZ	128.0	EP			22:15	56.26			0.09
INVG	HE	128.0	IAML			22:16	11.92	2	0.14	
INVG	HN	128.0	IAML			22:16	12.11	2	0.12	
EAB	HZ	134.0	EP			22:15	57.16			0.23
EAB	HE	134.0	IAML			22:16	14.10	2	0.24	
EAB	HN	134.0	IAML			22:16	15.54	1	0.23	
PITL	HZ	134.0	EP			22:15	56.93			-0.08
PITL	HN	134.0	IAML			22:16	15.07	1	0.05	
PITL	HE	134.0	IAML			22:16	17.99	1	0.08	

November 15 2024 Time: 17:04 44.1 UTC Magnitude: 1.3 ML
 Lat: 56.993 Lon: -5.764 Depth: 6.3 km
 Grid Ref: 171.39 kmE 795.37 kmN RMS: 0.50 secs
 Locality: MALLAIG,HIGHLAND

Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
 Comment: FELT MALLAIG
 Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	39.1	EP			17:04	51.07			-0.03
KPL	HT	39.1	ES			17:04	56.03			-0.18
KPL	HN	39.1	IAML			17:04	56.25	12	0.48	
KPL	HE	39.1	IAML			17:04	56.44	15	0.44	
GVIE	HN	74.1	ES			17:05	05.21			-0.59
GVIE	HN	74.1	IAML			17:05	06.52	24	0.50	
GVIE	HE	74.1	IAML			17:05	06.55	12	0.26	
LAW	HZ	84.6	EP			17:04	58.26			0.07
LAW	HE	84.6	ES			17:05	07.80			-0.66
LAW	HE	84.6	IAML			17:05	08.12	22	0.12	
LAW	HN	84.6	IAML			17:05	08.59	20	0.14	
INVG	HZ	123.0	EP			17:05	04.76			0.64
INVG	HN	123.0	ES			17:05	19.40			0.67
INVG	HN	123.0	IAML			17:05	20.13	6	0.12	
INVG	HE	123.0	IAML			17:05	20.45	6	0.20	
EAB	HZ	125.0	EP			17:05	05.05			0.53
EAB	HE	125.0	IAML			17:05	22.51	5	0.20	
EAB	HN	125.0	IAML			17:05	22.77	6	0.38	
PITL	HZ	133.0	EP			17:05	06.30			0.60
PITL	HN	133.0	IAML			17:05	23.06	4	0.22	
PITL	HE	133.0	IAML			17:05	23.38	4	0.24	
LINV	HZ	133.0	EP			17:05	05.69			0.12
LINV	HN	133.0	IAML			17:05	22.70	4	0.26	
LINV	HE	133.0	IAML			17:05	22.74	9	0.18	
PGB1	HN	153.0	IAML			17:05	29.56	6	0.16	
PGB1	HE	153.0	IAML			17:05	29.67	7	0.22	
BIGH	HN	200.0	IAML			17:05	41.04	8	0.72	
BIGH	HE	200.0	IAML			17:05	41.56	4	0.36	
DRUM	HN	200.0	IAML			17:05	42.12	7	0.48	
DRUM	HE	200.0	IAML			17:05	42.74	6	0.56	
NEWG	HE	230.0	IAML			17:05	50.75	2	0.38	
NEWG	HN	230.0	IAML			17:05	51.06	2	0.50	

November 15 2024 Time: 20:40 26.1 UTC Magnitude: 1.0 ML
 Lat: 56.278 Lon: -5.571 Depth: 2.6 km
 Grid Ref: 178.96 kmE 715.23 kmN RMS: 0.30 secs
 Locality: KILCHOAN,ARGYLL & BUTE

Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
 Comment: FELT BALVICAR
 Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAW	HZ	10.8	EP			20:40	28.07			-0.34
LAW	HN	10.8	ES			20:40	29.87			-0.22
LAW	HE	10.8	IAML			20:40	30.10	48	0.10	
LAW	HN	10.8	IAML			20:40	30.22	57	0.16	
EAB	HZ	77.2	EP			20:40	39.59			0.31
EAB	HN	77.2	IAML			20:40	52.20	8	0.19	
EAB	HE	77.2	IAML			20:40	53.08	7	0.16	
PGB1	HN	85.4	IAML			20:40	53.58	5	0.24	
PGB1	HE	85.4	IAML			20:40	54.27	6	0.32	
INVG	HZ	95.9	EP			20:40	42.48			0.30
INVG	HN	95.9	IAML			20:40	56.74	6	0.12	
INVG	HE	95.9	IAML			20:40	56.75	4	0.11	
KPL	HZ	118.0	EP			20:40	45.24			-0.37

KPL HN 118.0 IAML 20:41 01.61 4 0.50
 KPL HE 118.0 IAML 20:41 03.49 6 0.29
 PITL HZ 136.0 EP 20:40 48.79 0.47
 PITL HE 136.0 IAML 20:41 08.29 3 0.34
 PITL HN 136.0 IAML 20:41 08.68 3 0.18
 CLGH HN 137.0 IAML 20:41 06.04 4 0.20
 CLGH HE 137.0 IAML 20:41 06.53 5 0.30
 NEWG HN 154.0 IAML 20:41 11.03 2 0.18
 NEWG HE 154.0 IAML 20:41 11.36 4 0.28

November 16 2024 Time: 10:03 46.0 UTC Magnitude: 0.6 ML
 Lat: 57.031 Lon: -5.790 Depth: 7.3 km
 Grid Ref: 170.05 kmE 799.69 kmN RMS: 0.40 secs
 Locality: LOCH NEVIS,HIGHLAND

Velocity model: Lownet Xnear: 150.0 Xfar: 300.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	35.3	EP			10:03	52.55			0.24
KPL	HE	35.3	ES			10:03	56.55			-0.38
KPL	HN	35.3	IAML			10:03	56.81	2	0.16	
KPL	HE	35.3	IAML			10:03	56.92	3	0.22	
GVIE	HE	75.1	ES			10:04	07.66			-0.16
GVIE	HE	75.1	IAML			10:04	08.07	2	0.28	
GVIE	HN	75.1	IAML			10:04	08.18	3	0.14	
LAW	HZ	89.2	EP			10:04	00.61			-0.08
LAW	HE	89.2	ES			10:04	10.84			-0.59
LAW	HE	89.2	IAML			10:04	11.90	2	0.24	
LAW	HN	89.2	IAML			10:04	12.49	3	0.38	
INVG	HZ	126.0	EP			10:04	06.79			0.35
INVG	HN	126.0	IAML			10:04	23.32	2	0.16	
INVG	HE	126.0	IAML			10:04	24.13	2	0.18	
EAB	HZ	129.0	EP			10:04	07.52			0.62
EAB	HN	129.0	IAML			10:04	24.50	2	0.14	
EAB	HE	129.0	IAML			10:04	24.50	2	0.19	

November 16 2024 Time: 13:13 42.1 UTC Magnitude: 1.4 ML
 Lat: 54.513 Lon: -2.909 Depth: 7.0 km
 Grid Ref: 341.16 kmE 513.47 kmN RMS: 0.20 secs
 Locality: HARTSOP,CUMBRIA

Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AQ12	HZ	13.2	IP		D	13:13	45.15			0.10
AQ12	HE	13.2	ES			13:13	47.20			0.01
AQ12	HN	13.2	IAML			13:13	47.32	382	0.06	
AQ12	HE	13.2	IAML			13:13	47.51	135	0.05	
KESW	HZ	15.2	IP		D	13:13	45.27			-0.07
KESW	HN	15.2	ES			13:13	47.48			-0.21
KESW	HN	15.2	IAML			13:13	47.70	108	0.14	
KESW	HE	15.2	IAML			13:13	47.73	131	0.34	
AP12	HZ	32.4	EP			13:13	48.11			0.05
AP12	HN	32.4	ES			13:13	52.17			-0.23
AP12	HN	32.4	IAML			13:13	52.38	41	0.11	
AP12	HE	32.4	IAML			13:13	52.39	61	0.10	
AR09	HZ	44.2	EP			13:13	49.91			-0.02
AR09	HE	44.2	IAML			13:13	57.18	60	0.05	
AR09	HN	44.2	IAML			13:13	58.92	62	0.06	
AR07	HZ	64.6	EP			13:13	53.44			0.39
AR07	HN	64.6	IAML			13:14	02.57	15	0.16	
AR07	HE	64.6	IAML			13:14	02.94	18	0.27	
CTON	HZ	69.4	EP			13:13	53.89			0.06
CTON	HN	69.4	ES			13:14	01.99			-0.39
CTON	HN	69.4	IAML			13:14	02.45	16	0.18	
CTON	HE	69.4	IAML			13:14	02.76	21	0.18	
WINS	HN	69.9	ES			13:14	02.52			0.10
WINS	HE	69.9	IAML			13:14	05.96	39	0.20	
WINS	HN	69.9	IAML			13:14	06.13	31	0.30	
EDMD	HZ	70.6	EP			13:13	53.75			-0.19
EDMD	HN	70.6	IAML			13:14	02.76	14	0.13	
EDMD	HE	70.6	IAML			13:14	02.85	23	0.14	
ESK	HZ	91.4	EP			13:13	57.19			-0.03
ESK	HE	91.4	IAML			13:14	10.04	9	0.32	
ESK	HN	91.4	IAML			13:14	10.48	6	0.13	
NEWG	HZ	108.0	EP			13:14	00.32			0.50
NEWG	HN	108.0	IAML			13:14	13.97	5	0.20	
NEWG	HE	108.0	IAML			13:14	14.08	5	0.10	

November 18 2024 Time: 04:36 25.5 UTC Magnitude: 0.4 ML
 Lat: 56.611 Lon: -5.801 Depth: 5.0 km
 Grid Ref: 166.78 kmE 753.02 kmN RMS: 0.20 secs
 Locality: MORVERN,HIGHLAND

Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAW	HZ	46.3	EP			04:36	33.82			0.08
LAW	HN	46.3	ES			04:36	39.33			-0.41
LAW	HN	46.3	IAML			04:36	39.76	2	0.12	
LAW	HE	46.3	IAML			04:36	40.03	3	0.10	
KPL	HZ	81.6	EP			04:36	39.11			-0.07
KPL	HN	81.6	IAML			04:36	51.29	1	0.22	
KPL	HE	81.6	IAML			04:36	51.52	3	0.30	
GVIE	HZ	93.4	EP			04:36				

TABLE 2 : PHASE DATA

EAB	HE	102.0	IAML	04:36	56.07	1	0.10				GVIE	HN	102.0	IAML	00:16	09.12	2	0.46																						
EAB	HN	102.0	IAML	04:36	57.34	1	0.13				GVIE	HE	102.0	IAML	00:16	09.50	2	0.35																						
INVG	HZ	110.0	EP	04:36	43.87			0.21			EAB	HZ	109.0	EP	00:15	55.30			0.33																					
INVG	HE	110.0	IAML	04:36	58.31	1	0.13				EAB	HN	109.0	IAML	00:16	10.53	1	0.19																						
INVG	HN	110.0	IAML	04:36	58.37	1	0.10				EAB	HE	109.0	IAML	00:16	10.58	1	0.17																						
November 18 2024										Time: 12:25 39.4 UTC										Magnitude: 1.5 ML																				
Lat: 54.509										Lon: -2.916										Depth: 5.4 km																				
Grid Ref: 340.70 kmE										513.03 kmN										RMS: 0.40 secs																				
Locality: HARTSOP,CUMBRIA																																								
Velocity model: Lownet										Xnear: 100.0										Xfar: 200.0																				
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	November 20 2024										Time: 07:52 52.9 UTC										Magnitude: 0.7 ML									
AQ12	HZ	13.3	IP		D	12:25	42.37			0.10	Lat: 57.028										Lon: -5.779										Depth: 7.7 km									
AQ12	HN	13.3	ES			12:25	44.47			0.11	Grid Ref: 170.70 kmE										799.32 kmN										RMS: 0.40 secs									
AQ12	HE	13.3	IAML			12:25	44.50	136	0.10		Locality: LOCH NEVIS,HIGHLAND																													
AQ12	HN	13.3	IAML			12:25	44.54	293	0.09		Velocity model: Lownet										Xnear: 100.0										Xfar: 400.0									
KESW	HZ	15.1	IP		C	12:25	42.53			-0.01	Comment: 3KM NE MALLAIG																													
KESW	HE	15.1	ES			12:25	44.70			-0.12	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES																			
KESW	HE	15.1	IAML			12:25	44.86	181	0.18		KPL	HZ	35.5	EP			07:52	59.08			-0.16																			
KESW	HN	15.1	IAML			12:25	44.92	179	0.14		KPL	HE	35.5	IAML			07:53	03.62			-0.25																			
AP12	HZ	31.8	EP			12:25	45.25			-0.07	KPL	HN	35.5	IAML			07:53	03.70	3	0.78																				
AP12	HN	31.8	ES			12:25	49.43			-0.21	KPL	HE	35.5	IAML			07:53	03.95	3	0.18																				
AP12	HN	31.8	IAML			12:25	49.60	61	0.10		GVIE	HZ	74.4	EP			07:53	05.28			-0.13																			
AP12	HE	31.8	IAML			12:25	49.61	105	0.24		GVIE	HN	74.4	ES			07:53	14.22			-0.32																			
AR09	HZ	44.2	IP		D	12:25	47.19			-0.14	GVIE	HN	74.4	IAML			07:53	15.04	4	0.10																				
AR09	HN	44.2	ES			12:25	52.81			-0.31	GVIE	HE	74.4	IAML			07:53	20.43	2	0.42																				
CTON	HZ	69.6	EP			12:25	51.06			-0.21	LAWE	HZ	88.6	EP			07:53	07.36			-0.15																			
CTON	HN	69.6	ES			12:25	59.23			-0.69	LAWE	HE	88.6	ES			07:53	17.64			-0.53																			
CTON	HE	69.6	IAML			12:25	59.98	24	0.20		LAWE	HN	88.6	IAML			07:53	22.05	4	0.36																				
CTON	HN	69.6	IAML			12:26	00.85	25	0.18		INVG	HZ	126.0	EP			07:53	13.70			0.48																			
EDMD	HZ	71.2	EP			12:25	50.97			-0.46	INVG	HE	126.0	ES			07:53	28.40			0.35																			
EDMD	HE	71.2	IAML			12:25	59.99	29	0.20		INVG	HN	126.0	IAML			07:53	30.46	2	0.36																				
EDMD	HN	71.2	IAML			12:26	00.00	20	0.04		INVG	HE	126.0	IAML			07:53	30.90	3	0.54																				
AR05	HZ	82.1	EP			12:25	53.57			0.39	LINV	HZ	129.0	EP			07:53	14.21			0.49																			
AR05	HN	82.1	IAML			12:26	04.18	32	0.16		LINV	HN	129.0	IAML			07:53	30.40	4	0.16																				
AR05	HE	82.1	IAML			12:26	04.39	28	0.22		LINV	HN	129.0	IAML			07:53	30.51	1	0.24																				
ESK	HZ	91.8	EP			12:25	54.68			0.01	EAB	HZ	129.0	EP			07:53	14.22			0.55																			
ESK	HN	91.8	IAML			12:26	07.64	9	0.16		EAB	HN	129.0	IAML			07:53	31.46	3	0.06																				
ESK	HE	91.8	IAML			12:26	08.03	10	0.19		EAB	HE	129.0	IAML			07:53	31.52	4	0.11																				
HPK	HN	104.0	ES			12:26	09.91			0.77	November 20 2024										Time: 17:45 26.5 UTC										Magnitude: 1.4 ML									
HPK	HN	104.0	IAML			12:26	10.96	43	0.22		Lat: 51.871										Lon: -5.016										Depth: 11.9 km									
HPK	HE	104.0	IAML			12:26	10.98	33	0.18		Grid Ref: 192.40 kmE										223.51 kmN										RMS: 0.20 secs									
NEWG	HZ	108.0	EP			12:25	57.50			0.29	Locality: HAYSCASTLE,PEMBES																													
NEWG	HN	108.0	IAML			12:26	10.68	10	0.34		Velocity model: Lownet										Xnear: 150.0										Xfar: 300.0									
NEWG	HE	108.0	IAML			12:26	11.30	8	0.09		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES																			
AT10	HZ	114.0	EP			12:25	58.77			0.65	RSBS	HZ	20.7	IP		C	17:45	30.70			-0.07																			
AT10	HE	114.0	IAML			12:26	13.49	24	0.40		RSBS	HN	20.7	ES			17:45	33.83			-0.05																			
AT10	HN	114.0	IAML			12:26	13.52	23	0.20		RSBS	HE	20.7	IAML			17:45	34.00	151	0.16																				
GAL1	HZ	122.0	EP			12:25	59.69			0.30	RSBS	HN	20.7	IAML			17:45	34.04	103	0.10																				
GAL1	HN	122.0	IAML			12:26	14.13	11	0.22		HTL	HZ	104.0	EP			17:45	43.82			0.31																			
GAL1	HE	122.0	IAML			12:26	15.03	6	0.12		HTL	HN	104.0	IAML			17:45	56.60	10	0.40																				
November 19 2024										Time: 05:50 17.4 UTC										Magnitude: 1.6 ML																				
Lat: 51.785										Lon: -8.672										Depth: 13.1 km																				
Grid Ref: -59.94 kmE										230.72 kmN										RMS: 0.30 secs																				
Locality: INNISHANNON,CO CORK																																								
Velocity model: Lownet										Xnear: 200.0										Xfar: 500.0																				
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	November 20 2024										Time: 00:15 37.1 UTC										Magnitude: 0.5 ML									
VAL	HZ	109.0	EP			05:50	35.08			0.05	Lat: 56.593										Lon: -5.948										Depth: 10.2 km									
VAL	HE	109.0	ES			05:50	48.15			0.26	Grid Ref: 157.65 kmE										751.53 kmN										RMS: 0.20 secs									
VAL	HN	109.0	IAML			05:50	50.30	28	0.34		Locality: DRIMNIN,HIGHLAND																													
VAL	HE	109.0	IAML			05:50	50.31	34	0.20		Velocity model: Lownet										Xnear: 100.0										Xfar: 200.0									
IWEX	HZ	146.0	EP			05:50	40.40			0.15	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES																			
IWEX	HN	146.0	ES			05:50	57.30			0.37	LW	BZ	143.0	EP			17:46	03.79	4	0.10																				
IGLA	HZ	188.0	EP			05:50	45.11			-0.60	MCH1	HZ	139.0	EP			17:45	48.71			0.14																			
IGLA	HN	188.0	ES			05:51	06.44			0.07	MCH1	HE	139.0	IAML			17:46	08.29	6	0.18																				
IGLA	HN	188.0	IAML			05:51	11.20	6	0.24		MCH1	HN	139.0	IAML			17:46	08.57	8	0.14																				
IGLA	HE	188.0	IAML			05:51	11.82	13	0.34		LLW	BZ	143.0	EP			17:45	49.16			0.17																			
DSB	HE	225.0	ES			05:51	14.34			-0.05	LLW	BN	143.0	IAML			17:46	07.14	3	0.15																				
DSB	HE	225.0	IAML			05:51	23.15	4	0.42		LLW	BE	143.0	IAML			17:46	07.75	2	0.45																				
DSB	HN	225.0	IAML			05:51	23.15	3	0.37		SBD	BN	147.0	IAML			17:46	07.26	6	0.35																				
RSBS	HZ	271.0	EP			05:50	55.79			-0.36	SBD	BE	147.0	IAML			17:46	07.94	8	0.75																				
RSBS	HE	271.0	ES			05:51	24.34			-0.10	MONM	HZ	152.0	EP			17:45	50.39			-0.01																			
RSBS	HN	271.0	IAML			05:51	26.96	2	0.07		MONM	HE	152.0	IAML			17:46	10.73	9	0.22																				
RSBS	HE	271.0	IAML			05:51	28.57	2	0.15		MONM	HN	152.0	IAML			17:46	12.31	7	0.20																				
ILTH	HN	295.0	ES			05:51	29.59			0.10	WLF1	HE	163.0	IAML			17:46	12.61	6	0.30																				
WLF1	HN	335.0	ES			05:51	38.04			-0.11	WLF1	HN	163.0	IAML			17:46	12.93	5	0.14																				
November 20 2024										Time: 00:15 37.1 UTC										Magnitude: 0.5 ML																				
Lat: 56.593										Lon: -5.948										Depth: 10.2 km																				
Grid Ref: 157.65 kmE										751.53 kmN										RMS: 0.20 secs																				
Locality: DRIMNIN,HIGHLAND																																								
Velocity model: Lownet										Xnear: 100.0										Xfar: 200.0																				
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	November 21 2024										Time: 05:48 47.1 UTC										Magnitude: 0.6 ML									
LAW	HZ	50.2	EP			00:15	45.90			0.09	Lat: 51.777										Lon: -8.678										Depth: 12.5 km									
LAW	HN	50.2	ES			00:15	51.86			-0.27	Grid Ref: -60.43 kmE										229.87 kmN										RMS: 0.10 secs									
LAW	HE	50.2	IAML			00:15	52.18	4	0.35		Locality: INNISHANNON,CO CORK																													
LAW	HN	50.2	IAML			00:15	52.23	3	0.20		Velocity model: Lownet										Xnear: 200.0										Xfar: 500.0									
KPL	HZ	85.0	EP			00:15	51.14			-0.04	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES																			
KPL	HN	85.0	ES			00:16	01.29			-0.13	VAL	HZ	109.0	EP			05:49	04.79			0.11																			
KPL	HN	85.0	IAML			00:16	03.72	2	0.26		VAL	HN	109.0	ES			05:49	17.38			-0.15																			
KPL	HE	85.0	IAML			00:16	03.91	3	0.19		November 21 2024										Time: 05:48 47.1 UTC										Magnitude: 0.6 ML									
GVIE	HZ	102.0	EP			00:15	53.99			0.07	Lat: 51.777										Lon: -8.678										Depth: 12.5 km									
GVIE	HN	102.0	ES			00:16	06.20			0.04	Grid Ref: -60.43 kmE										229.87 kmN										RMS: 0.10 secs									

TABLE 2 : PHASE DATA

VAL	HE	109.0	IAML	05:49	19.98	2	0.17			HTL	HN	85.2	IAML	15:09	21.41	20	0.60				
VAL	HN	109.0	IAML	05:49	19.99	2	0.20			HEX	HZ	101.0	EP	15:09	13.25			0.22			
IWEX	HE	146.0	EP	05:49	10.20			0.15		HEX	HE	101.0	IAML	15:09	25.99	6	0.26				
IWEX	HE	146.0	ES	05:49	26.65			-0.17		HEX	HN	101.0	IAML	15:09	26.73	7	0.24				
IGLA	HN	189.0	ES	05:49	36.31			0.06		MCH1	HZ	127.0	EP	15:09	16.92			-0.02			
November 22 2024										Time: 04:07 50.3 UTC		Magnitude: 1.0 ML									
Lat: 56.191										Lon: -5.010		Depth: 3.4 km									
Grid Ref: 213.25 kmE										703.89 kmN		RMS: 0.30 secs									
Locality: STRACHUR,ARGYLL & BUTE																					
Velocity model: Lownet										Xnear: 100.0		Xfar: 200.0									
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	MCH1	HN	127.0	IAML	15:09	34.94	13	0.20			
LAWE	HZ	25.3	IP		C	04:07	55.10			0.03	MCH1	HN	127.0	ES	15:09	31.70		-0.22			
LAWE	HN	25.3	ES			04:07	58.09			-0.48	MCH1	HN	127.0	IAML	15:09	35.12	14	0.54			
LAWE	HE	25.3	IAML			04:07	58.32	24	0.14		MONM	HZ	138.0	EP	15:09	18.84		0.38			
LAWE	HN	25.3	IAML			04:07	58.33	22	0.22		MONM	HN	138.0	ES	15:09	34.46		-0.08			
EAB	HZ	41.7	IP			04:07	58.16			0.29	MONM	HN	138.0	IAML	15:09	36.76	14	0.24			
EAB	HT	41.7	ES		C	04:07	03.16			-0.26	MONM	HE	138.0	IAML	15:09	38.78	9	0.28			
EAB	HE	41.7	IAML			04:08	03.29	46	0.10		IWEX	HN	153.0	IAML	15:09	38.49	4	0.16			
EAB	HN	41.7	IAML			04:08	03.56	32	0.24		IWEX	HE	153.0	IAML	15:09	40.30	4	0.44			
PGB1	HZ	53.5	EP			04:07	59.98			0.24	HLM1	HZ	157.0	EP	15:09	21.65		0.34			
PGB1	HN	53.5	ES			04:08	06.45			-0.20	DYA	HE	157.0	IAML	15:09	41.20	4	0.52			
PGB1	HN	53.5	IAML			04:08	06.90	5	0.22		DYA	HN	157.0	IAML	15:09	41.70	3	0.22			
PGB1	HE	53.5	IAML			04:08	06.96	8	0.18		FOEL	HZ	168.0	EP	15:09	23.31		0.46			
INVG	HZ	65.3	EP			04:08	01.67			0.08	FOEL	HE	168.0	IAML	15:09	47.73	7	0.56			
INVG	HN	65.3	ES			04:08	09.32			-0.52	FOEL	HN	168.0	IAML	15:09	51.37	7	0.44			
INVG	HE	65.3	IAML			04:08	10.29	5	0.28		CCA1	HZ	175.0	EP	15:09	23.45		-0.20			
INVG	HN	65.3	IAML			04:08	13.22	8	0.10		CCA1	HE	175.0	IAML	15:09	47.83	5	0.52			
GVIE	HZ	105.0	EP			04:08	08.33			0.51	CCA1	HN	175.0	IAML	15:09	48.04	5	0.80			
GVIE	HE	105.0	ES			04:08	20.45			-0.17	WLF1	HN	175.0	IAML	15:09	46.29	5	0.18			
GVIE	HE	105.0	IAML			04:08	22.92	7	0.30		WLF1	HE	175.0	IAML	15:09	44.77	9	0.34			
GVIE	HN	105.0	IAML			04:08	23.50	3	0.18		November 29 2024										
PITL	HZ	112.0	EP			04:08	09.05			0.26	Lat: 54.861		Lon: -2.524		Magnitude: 0.6 ML						
PITL	HN	112.0	IAML			04:08	25.63	6	0.28		Grid Ref: 366.37 kmE		551.94 kmN		Depth: 10.8 km						
PITL	HE	112.0	IAML			04:08	28.84	4	0.36		Locality: SLAGGYFORD,NORTHUMB		RMS: 0.20 secs								
EDI	HE	117.0	IAML			04:08	26.06	5	0.36		Velocity model: Lownet										
EDI	HN	117.0	IAML			04:08	26.92	3	0.42		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
NEWG	HZ	129.0	EP			04:08	11.56			0.09	EDMD	HZ	36.2	EP			06:35	36.20			0.00
NEWG	HE	129.0	IAML			04:08	27.36	4	0.26		EDMD	HN	36.2	ES			06:35	40.70			-0.24
NEWG	HN	129.0	IAML			04:08	27.91	3	0.54		EDMD	HN	36.2	IAML			06:35	40.82	24	0.16	
KPL	HZ	134.0	EP			04:08	12.70			0.59	EDMD	HE	36.2	IAML			06:35	40.87	12	0.18	
KPL	HE	134.0	IAML			04:08	29.49	3	0.48		EDMD	HE	36.2	IAML			06:35	40.87			0.16
KPL	HN	134.0	IAML			04:08	33.13	3	0.44		KESW	HZ	48.1	EP			06:35	38.24			0.16
CLGH	HN	142.0	IAML			04:08	30.53	5	0.44		AQ12	HZ	49.4	EP			06:35	38.47			0.16
CLGH	HE	142.0	IAML			04:08	34.41	3	0.20		AQ12	HN	49.4	ES			06:35	44.36			-0.23
GALL	HE	149.0	IAML			04:08	33.10	5	0.44		AQ12	HN	49.4	IAML			06:35	44.50	5	0.15	
GALL	HN	149.0	IAML			04:08	33.95	3	0.36		AQ12	HE	49.4	IAML			06:35	44.76	7	0.11	
ESK	HN	149.0	IAML			04:08	31.92	3	0.74		EKA	BZ	66.4	EP			06:35	40.96			0.05
ESK	HE	149.0	IAML			04:08	35.28	2	0.42		ESK	HZ	66.8	EP			06:35	41.10			0.14
November 28 2024										Time: 04:30 06.0 UTC		Magnitude: 0.2 ML									
Lat: 54.746										Lon: -2.707		Depth: 7.6 km									
Grid Ref: 354.49 kmE										539.25 kmN		RMS: 0.20 secs									
Locality: LAZONBY,CUMBRIA																					
Velocity model: Lownet										Xnear: 100.0		Xfar: 200.0									
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	ESK	HN	66.8	ES			06:35	49.06			-0.12
KESW	HZ	31.1	EP			04:30	11.78			0.10	ESK	HE	66.8	IAML			06:35	49.98	1	0.30	
KESW	HN	31.1	ES			04:30	15.89			0.04	ESK	HE	66.8	IAML			06:35	51.95	1	0.13	
KESW	HE	31.1	IAML			04:30	16.35	1	0.14		ESK	HN	66.8	IAML			06:35	51.95			-0.41
KESW	HN	31.1	IAML			04:30	16.36	1	0.08		AR09	HZ	70.9	EP			06:35	41.24			0.15
AQ12	HZ	34.6	IP			04:30	12.37			0.13	AR09	HN	70.9	ES			06:35	50.52			0.15
AQ12	HN	34.6	ES			04:30	16.60			-0.22	AR09	HE	70.9	IAML			06:35	51.32	6	0.20	
AQ12	HN	34.6	IAML			04:30	16.76	4	0.08		AR09	HN	70.9	IAML			06:35	52.78	6	0.07	
AQ12	HE	34.6	IAML			04:30	16.79	5	0.03		CTON	HZ	77.5	EP			06:35	43.10			0.44
EDMD	HZ	48.8	EP			04:30	14.51			0.14	CTON	HN	77.5	IAML			06:35	54.44	2	0.22	
EDMD	HN	48.8	ES			04:30	20.26			-0.25	CTON	HE	77.5	IAML			06:35	54.76	2	0.13	
EDMD	HN	48.8	IAML			04:30	20.42	3	0.10		AP12	HZ	77.9	EP			06:35	42.84			0.17
EDMD	HE	48.8	IAML			04:30	20.65	3	0.13		AP12	HE	77.9	ES			06:35	51.94			-0.20
AR09	HZ	60.5	EP			04:30	16.46			0.19	AP12	HE	77.9	IAML			06:35	54.04	3	0.14	
AP12	HZ	60.6	EP			04:30	16.34			0.10	AP12	HN	77.9	IAML			06:35	54.22	2	0.24	
AP12	HN	60.6	ES			04:30	23.59			-0.16	NEWG	HE	113.0	ES			06:36	01.26			-0.10
AP12	HN	60.6	IAML			04:30	23.83	2	0.15		NEWG	HE	113.0	IAML			06:36	02.59	3	0.80	
AP12	HE	60.6	IAML			04:30	24.06	3	0.38		NEWG	HN	113.0	IAML			06:36	02.77	1	0.24	
ESK	HZ	71.0	EP			04:30	18.20			0.33	November 29 2024										
ESK	HN	71.0	ES			04:30	26.26			-0.30	Lat: 51.594		Lon: -2.376		Magnitude: 1.1 ML						
ESK	HN	71.0	IAML			04:30	26.80	1	0.14		Grid Ref: 373.96 kmE		188.47 kmN		Depth: 4.5 km						
ESK	HE	71.0	IAML			04:30	26.99	2	0.38		Locality: WICKWAR,GLOS		RMS: 0.20 secs								
NEWG	HN	106.0	ES			04:30	35.80			-0.11	Velocity model: Lownet										
NEWG	HE	106.0	IAML			04:30	36.58	0	0.15		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
NEWG	HN	106.0	IAML			04:30	36.62	1	0.17		STRD	HZ	25.0	EP			18:38	37.87			0.10
November 28 2024										Time: 15:08 56.4 UTC		Magnitude: 1.4 ML									
Lat: 51.736										Lon: -4.792		Depth: 7.6 km									
Grid Ref: 207.24 kmE										207.88 kmN		RMS: 0.20 secs									
Locality: JEFFREYSTON,PEMBS																					
Velocity model: Lownet										Xnear: 100.0		Xfar: 200.0									
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STRD	HN	25.0	ES			18:38	41.38			0.14
RSBS	HZ	24.4	IP		C	15:09	00.98			-0.12	STRD	HE	25.0	IAML			18:38	41.97	53	0.10	
RSBS	HE	24.4	ES			15:09	04.46			-0.04	STRD	HN	25.0	IAML			18:38	42.01	52	0.28	
RSBS	HE	24.4	IAML			15:09	04.54	123	0.16		MONM	HZ	40.2	EP			18:38	40.34			0.01
RSBS	HN	24.4	IAML			15:09	04.69	40	0.12		MONM	HE	40.2	ES			18:38	46.12			0.45
HTL	HZ	85.2	EP			15:09	10.67			0.18	MONM	HE	40.2	IAML			18:38	46.48	8	0.19	
HTL	HN	85.2	ES			15:09	20.43			-0.32	MONM	HN	40.2	IAML			18:38	46.70	8	0.27	
HTL	HE	85.2	IAML			15:09	21.22	15	0.30		SWN1	HN	40.9	ES			18:38	45.94			0.08

TABLE 2 : PHASE DATA

DYA	HN	169.0	IAML			18:39	21.08	3	0.21			INVG	HN	32.3	IAML			03:52	03.25	2	0.13	
DYA	HE	169.0	IAML			18:39	21.15	3	0.18			PGB1	HZ	41.8	EP			03:52	00.42			0.02
												PGB1	HE	41.8	ES			03:52	05.63			-0.17
December 1 2024			Time: 02:03 59.5 UTC			Magnitude: 1.3 ML																
Lat: 57.677			Lon: -5.031			Depth: 2.3 km																
Grid Ref: 219.28 kmE			869.25 kmN			RMS: 0.40 secs																
Locality: LOCHDRUM,HIGHLAND																						
Velocity model: Lownet			Xnear: 150.0			Xfar: 300.0																
Comment: 8KM SSW LOCHDRUM																						
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES												
KPL	HZ	52.9	EP			02:04	08.88			-0.08												
KPL	HE	52.9	IAML			02:04	18.27	7	0.10													
KPL	HN	52.9	IAML			02:04	18.44	7	0.08													
LINV	HZ	53.3	EP			02:04	09.08			0.05												
LINV	HE	53.3	ES			02:04	15.75			-0.22												
LINV	HE	53.3	IAML			02:04	15.98	37	0.09													
LINV	HN	53.3	IAML			02:04	16.45	12	0.10													
MCD	HZ	107.0	EP			02:04	17.24			-0.12												
MCD	HE	107.0	IAML			02:04	29.66	15	0.14													
MCD	HN	107.0	IAML			02:04	30.77	11	0.20													
BIGH	HZ	112.0	EP			02:04	18.59			0.38												
BIGH	HN	112.0	IAML			02:04	32.48	6	0.19													
BIGH	HE	112.0	IAML			02:04	32.50	6	0.13													
PITL	HZ	129.0	EP			02:04	20.44			-0.37												
PITL	HE	129.0	IAML			02:04	35.61	10	0.14													
PITL	HN	129.0	IAML			02:04	35.65	7	0.07													
INVG	HZ	151.0	EP			02:04	23.33			-0.74												
INVG	HE	151.0	IAML			02:04	42.15	5	0.28													
INVG	HN	151.0	IAML			02:04	42.80	4	0.10													
LAW	HZ	159.0	EP			02:04	25.20			0.04												
LAW	HN	159.0	ES			02:04	44.06			0.19												
LAW	HE	159.0	IAML			02:04	44.65	21	0.16													
LAW	HN	159.0	IAML			02:04	44.74	5	0.12													
EAB	HZ	171.0	EP			02:04	27.70			0.84												
EAB	HE	171.0	IAML			02:04	47.02	7	0.54													
EAB	HN	171.0	IAML			02:04	48.31	5	0.11													
DRUM	HZ	175.0	EP			02:04	27.83			0.39												
December 3 2024			Time: 04:16 59.3 UTC			Magnitude: 1.0 ML																
Lat: 52.532			Lon: 1.602			Depth: 16.1 km																
Grid Ref: 644.27 kmE			298.82 kmN			RMS: 0.10 secs																
Locality: ST OLAVES,NORFOLK																						
Velocity model: Lownet			Xnear: 100.0			Xfar: 200.0																
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES												
BEDF	HZ	39.0	EP			04:17	06.39			-0.02												
BEDF	HE	39.0	ES			04:17	11.61			0.01												
BEDF	HE	39.0	IAML			04:17	12.02	20	0.09													
BEDF	HN	39.0	IAML			04:17	12.39	15	0.11													
ELMS	HZ	64.2	EP			04:17	10.09			-0.13												
ELMS	HE	64.2	ES			04:17	18.27			0.08												
ELMS	HE	64.2	IAML			04:17	18.51	7	0.12													
ELMS	HN	64.2	IAML			04:17	20.26	8	0.14													
WACR	HZ	69.3	EP			04:17	11.16			0.15												
WACR	HN	69.3	ES			04:17	19.46			-0.09												
WACR	HE	69.3	IAML			04:17	20.66	9	0.16													
WACR	HN	69.3	IAML			04:17	20.83	9	0.17													
December 3 2024			Time: 10:03 12.4 UTC			Magnitude: 1.2 ML																
Lat: 51.805			Lon: -2.493			Depth: 4.6 km																
Grid Ref: 366.01 kmE			211.98 kmN			RMS: 0.40 secs																
Locality: CINDERFORD,GLOS																						
Velocity model: Lownet			Xnear: 100.0			Xfar: 200.0																
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES												
MONM	HZ	21.8	EP			10:03	16.44			-0.18												
MONM	HN	21.8	ES			10:03	19.94			0.25												
MONM	HN	21.8	IAML			10:03	20.07	100	0.14													
MONM	HE	21.8	IAML			10:03	20.14	45	0.11													
MCH1	HZ	40.8	EP			10:03	19.42			-0.42												
MCH1	HN	40.8	ES			10:03	25.19			-0.06												
MCH1	HE	40.8	IAML			10:03	25.31	20	0.14													
MCH1	HN	40.8	IAML			10:03	25.32	29	0.20													
HLM1	HZ	83.7	EP			10:03	26.29			-0.23												
HLM1	HE	83.7	ES			10:03	36.72			-0.10												
HLM1	HE	83.7	IAML			10:03	36.98	9	0.14													
HLM1	HN	83.7	IAML			10:03	37.18	5	0.10													
FOEL	HZ	130.0	EP			10:03	34.58			0.89												
FOEL	HE	130.0	IAML			10:03	52.71	6	0.44													
FOEL	HN	130.0	IAML			10:03	56.98	7	0.36													
LLW	BZ	141.0	EP			10:03	36.09			0.88												
December 4 2024			Time: 03:51 53.0 UTC			Magnitude: 0.3 ML																
Lat: 56.149			Lon: -4.188			Depth: 7.0 km																
Grid Ref: 264.09 kmE			697.29 kmN			RMS: 0.20 secs																
Locality: KIPPEN,STIRLING																						
Velocity model: Lownet			Xnear: 100.0			Xfar: 200.0																
Comment: 3KM NNW KIPPEN																						
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES												
EAB	HZ	10.3	IP		C	03:51	55.44			-0.02												
EAB	HN	10.3	ES			03:51	57.15			-0.10												
EAB	HE	10.3	IAML			03:51	57.22	7	0.06													
EAB	HN	10.3	IAML			03:51	57.23	11	0.08													
INVG	HZ	32.3	EP			03:51	58.94			0.01												
INVG	HE	32.3	ES			03:52	02.96			-0.30												
INVG	HE	32.3	IAML			03:52	03.17	3	0.14													
December 4 2024			Time: 05:37 08.2 UTC			Magnitude: 0.6 ML																
Lat: 56.409			Lon: -5.665			Depth: 2.6 km																
Grid Ref: 173.92 kmE			730.10 kmN			RMS: 0.10 secs																
Locality: MULL,ARGYLL & BUTE																						
Velocity model: Lownet			Xnear: 100.0			Xfar: 200.0																
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES												
LAW	HZ	23.4	IP		C	05:37	12.58			-0.02												
LAW	HE	23.4	ES			05:37	15.75			-0.10												
LAW	HN	23.4	IAML			05:37	16.23	7	0.13													
LAW	HE	23.4	IAML			05:37	16.44	5	0.10													
EAB	HN	85.8	EP			05:37	22.75			0.06												
EAB	HE	85.8	IAML			05:37	34.86	4	0.11													
EAB	HN	85.8	IAML			05:37	35.41	3	0.07													
PGB1	HZ	99.2	EP			05:37	24.88			0.14												
PGB1	HE	99.2	IAML			05:37	38.37	3	0.29													
PGB1	HN	99.2	IAML			05:37	38.79	3	0.24													
INVG	HZ	100.0	EP			05:37	24.90			-0.00												
INVG	HN	100.0	ES			05:37	37.07			-0.06												
INVG	HE	100.0	IAML			05:37	38.26	2	0.10													
INVG	HN	100.0	IAML			05:37	38.61	2	0.13													
KPL	HZ	104.0	EP			05:37	25.18			-0.20												
KPL	HN	104.0	ES			05:37	38.03			0.07												
KPL	HE	104.0	IAML			05:37	39.90	3	0.45													
KPL	HN	104.0	IAML			05:37	39.97	1	0.33													
PITL	HZ	135.0	EP			05:37	30.52			0.22												

TABLE 2 : PHASE DATA

December 13 2024										Time: 21:37 29.0 UTC		Magnitude: 0.8 ML		STRD HZ 138.0 EP 23:55 53.98 0.53										
Lat: 51.757										Lon: -4.029		Depth: 9.5 km		STRD HN 138.0 ES 23:56 10.03 0.51										
Grid Ref: 259.98 kmE										208.48 kmN		RMS: 0.40 secs		STRD HN 138.0 IAML 23:56 10.61 86 0.34										
Locality: TYCROES,CARMARTH														STRD HE 138.0 IAML 23:56 11.02 95 0.42										
Velocity model: Lownet										Xnear: 100.0		Xfar: 200.0		MCH1 HZ 157.0 EP 23:55 56.42 0.29										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	MCH1	HE	157.0	ES	23:56	14.19	0.03							
LPW	HZ	39.7	EP			21:37	36.65			0.63	MCH1	HN	157.0	IAML	23:56	14.73	55 0.24							
RSBS	HZ	53.9	EP			21:37	38.18			-0.07	MCH1	HE	157.0	IAML	23:56	14.88	46 0.28							
RSBS	HE	53.9	ES			21:37	44.38			-0.63	MONM	HZ	158.0	EP	23:55	56.84	0.45							
RSBS	HE	53.9	IAML			21:37	44.82	6	0.11		MONM	HE	158.0	ES	23:56	14.76	0.14							
RSBS	HN	53.9	IAML			21:37	44.97	6	0.13		MONM	HE	158.0	IAML	23:56	16.29	55 0.16							
MCH1	HZ	75.8	EP			21:37	41.65			0.02	MONM	HN	158.0	IAML	23:56	16.56	65 0.14							
MCH1	HN	75.8	ES			21:37	50.50			-0.36	LLW	BZ	168.0	EP	23:55	58.35	0.68							
MCH1	HE	75.8	IAML			21:37	50.85	4	0.15		LLW	BE	168.0	IAML	23:56	17.88	15 0.40							
MCH1	HN	75.8	IAML			21:37	51.20	4	0.12		LLW	BN	168.0	IAML	23:56	18.57	19 0.20							
HEX	HZ	78.5	EP			21:37	42.21			0.17	ELMS	HN	170.0	IAML	23:56	20.81	54 0.32							
HEX	HE	78.5	ES			21:37	51.25			-0.32	ELMS	HE	170.0	IAML	23:56	21.71	46 0.21							
HEX	HN	78.5	IAML			21:37	52.12	3	0.10		BEDF	HN	178.0	IAML	23:56	23.19	44 0.26							
HEX	HE	78.5	IAML			21:37	52.16	3	0.19		BEDF	HE	178.0	IAML	23:56	24.89	53 0.49							
HTL	HZ	90.6	EP			21:37	44.34			0.44	WINS	HZ	194.0	EP	23:56	00.64	-0.28							
HTL	HE	90.6	IAML			21:37	53.86	3	0.56		WINS	HE	194.0	IAML	23:56	26.21	46 0.44							
HTL	HN	90.6	IAML			21:37	54.03	4	0.63		WINS	HN	194.0	IAML	23:56	29.10	39 0.46							
HLM1	HZ	116.0	EP			21:37	47.72			-0.08	December 24 2024						Time: 05:50 05.2 UTC		Magnitude: 0.2 ML					
HLM1	HN	116.0	ES			21:38	01.09			-0.44	Lat: 54.785						Lon: -3.233		Depth: 6.2 km					
HLM1	HE	116.0	IAML			21:38	02.35	2	0.26		Grid Ref: 320.72 kmE						544.05 kmN		RMS: 0.20 secs					
HLM1	HN	116.0	IAML			21:38	04.82	2	0.16		Locality: WIGTON,CUMBRIA													
LLW	BZ	124.0	EP			21:37	49.46			0.51	Velocity model: Lownet						Xnear: 100.0		Xfar: 200.0					
FOEL	HZ	138.0	EP			21:37	51.64			0.62	Comment: 6KM SE WIGTON													
SBD	BZ	140.0	EP			21:37	51.15			-0.15	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES			
DYA	HZ	147.0	EP			21:37	52.33			0.03	KESW	HZ	23.3	EP			05:50	09.61			-0.12			
DYA	HN	147.0	IAML			21:38	09.74	2	0.25		KESW	HN	23.3	ES			05:50	13.05			0.02			
DYA	HE	147.0	IAML			21:38	09.89	2	0.17		KESW	HN	23.3	IAML			05:50	13.16	2	0.07				
December 13 2024										Time: 23:24 14.6 UTC		Magnitude: 0.8 ML		KESW		HE	23.3	IAML	05:50	13.17	2	0.16		
Lat: 57.516										Lon: -5.671		Depth: 2.6 km		AQ12		HZ	49.6	EP	05:50	13.91		0.00		
Grid Ref: 180.18 kmE										853.23 kmN		RMS: 0.30 secs		AQ12		HN	49.6	ES	05:50	20.06		-0.20		
Locality: SHIELDAIG,HIGHLAND														AQ12		HN	49.6	IAML	05:50	20.40	3	0.10		
Velocity model: Lownet										Xnear: 100.0		Xfar: 200.0		AQ12		HE	49.6	IAML	05:50	23.96	3	0.08		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	ESK	HZ	59.2	EP			05:50	15.43			0.06			
KPL	HZ	19.8	IP		D	23:24	18.50			0.12	ESK	HN	59.2	ES			05:50	22.52			-0.28			
KPL	HN	19.8	ES			23:24	20.89			-0.26	ESK	HN	59.2	IAML			05:50	26.74	1	0.25				
KPL	HE	19.8	IAML			23:24	21.02	51	0.14		ESK	HE	59.2	IAML			05:50	28.50	2	0.41				
KPL	HN	19.8	IAML			23:24	21.03	19	0.10		EKA	BZ	61.3	EP			05:50	15.59			-0.11			
LINV	HZ	75.7	EP			23:24	27.30			-0.19	NEWG	HZ	73.9	EP			05:50	17.93			0.31			
LINV	HE	75.7	IAML			23:24	38.99	5	0.14		NEWG	HE	73.9	IAML			05:50	28.12	1	0.29				
LINV	HN	75.7	IAML			23:24	38.99	2	0.08		NEWG	HN	73.9	IAML			05:50	28.27	1	0.15				
LAWE	HZ	141.0	EP			23:24	38.11			0.60	EDMD	HN	81.8	ES			05:50	29.08			0.31			
LAWE	HN	141.0	IAML			23:24	56.07	4	0.20		EDMD	HN	81.8	IAML			05:50	29.36	3	0.19				
LAWE	HE	141.0	IAML			23:24	56.20	4	0.14		EDMD	HE	81.8	IAML			05:50	32.39	4	0.13				
BIGH	HZ	151.0	EP			23:24	39.22			0.34	December 26 2024										Time: 13:39 04.0 UTC		Magnitude: 1.2 ML	
INVG	HZ	157.0	EP			23:24	39.76			-0.01	Lat: 54.944										Lon: -2.686		Depth: 6.9 km	
INVG	HE	157.0	IAML			23:24	58.36	1	0.25		Grid Ref: 356.06 kmE										561.26 kmN		RMS: 0.30 secs	
INVG	HN	157.0	IAML			23:24	58.47	1	0.23		Locality: BRAMPTON,CUMBRIA													
EAB	HZ	169.0	EP			23:24	41.87			0.35	Velocity model: Lownet										Xnear: 100.0		Xfar: 200.0	
EAB	HN	169.0	IAML			23:25	03.99	1	0.28		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES			
EAB	HE	169.0	IAML			23:25	04.91	1	0.25		KESW	HZ	47.8	EP			13:39	12.22			-0.11			
December 17 2024										Time: 23:55 31.4 UTC		Magnitude: 2.2 ML		KESW		HE	47.8	IAML	13:39	20.26	4	0.56		
Lat: 52.856										Lon: -1.176		Depth: 8.2 km		KESW		HN	47.8	IAML	13:39	21.67	4	0.30		
Grid Ref: 455.48 kmE										329.08 kmN		RMS: 0.30 secs		EDMD		HZ	48.1	EP	13:39	12.19		-0.13		
Locality: GOTHAM,NOTTINGHAMSHIRE														EDMD		HN	48.1	ES	13:39	17.93		-0.48		
Velocity model: Lownet										Xnear: 100.0		Xfar: 300.0		EDMD		HN	48.1	IAML	13:39	18.03	77	0.12		
Comment: FELT COALVILLE...										Intensity: 3				EDMD		HE	48.1	IAML	13:39	18.04	57	0.10		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	ESK	HZ	53.1	IP		D	13:39	13.25			0.11			
STBN	CZ	5.3	EP			23:55	33.35			0.04	ESK	HN	53.1	ES			13:39	19.70			-0.14			
STBN	CN	5.3	ES			23:55	34.86			0.18	ESK	HE	53.1	IAML			13:39	19.97	6	0.18				
STBN	CE	5.3	IAML			23:55	34.99	442	0.10		ESK	HN	53.1	IAML			13:39	20.37	10	0.20				
STBN	CN	5.3	IAML			23:55	35.07	328	0.35		WINS	HN	70.2	ES			13:39	24.71			0.33			
CWF	HZ	15.8	IP		C	23:55	34.56			-0.21	WINS	HE	70.2	IAML			13:39	24.88	33	0.24				
CWF	HN	15.8	ES			23:55	36.76			-0.45	WINS	HN	70.2	IAML			13:39	27.34	18	0.18				
CWF	HN	15.8	IAML			23:55	36.96	525	0.12		AR09	HZ	81.5	EP			13:39	17.64			0.05			
CWF	HE	15.8	IAML			23:55	37.02	518	0.36		AR09	HN	81.5	ES			13:39	27.15			-0.38			
LBWR	HZ	70.9	EP			23:55	43.03			-0.30	AR09	HN	81.5	IAML			13:39	28.24	21	0.06				
LBWR	HE	70.9	IAML			23:55	52.92	47	0.12		AR09	HE	81.5	IAML			13:39	29.58	23	0.10				
LBWR	HN	70.9	IAML			23:55	56.32	49	0.12		CTON	HZ	90.8	EP			13:39	19.50			0.48			
STNC	HZ	73.9	EP			23:55	43.82			0.04	CTON	HE	90.8	IAML			13:39	31.64	6	0.10				
STNC	HE	73.9	ES			23:55	52.86			0.07	CTON	HN	90.8	IAML			13:39	32.00	6	0.18				
STNC	HN	73.9	IAML			23:55	53.46	110	0.32		NEWG	HZ	101.0	EP			13:39	20.78			0.29			
STNC	HE	73.9	IAML			23:55	53.50	179	0.20		NEWG	HN	101.0	IAML			13:39	33.43	6	0.32				
LMK	HZ	87.8	EP			23:55	46.19			0.29	NEWG	HE	101.0	IAML			13:39	34.03	2	0.09				
LMK	HN	87.8	IAML			23:55	59.47	197	0.22		AT10	HN	117.0	IAML			13:39	39.13	7	0.28				
LMK	HE	87.8	IAML			23:55	59.60	163	0.32		AT10	HE	117.0	IAML			13:39	39.65	6	0.32				
HLM1	HZ	121.0	EP			23:55	50.52			-0.61	December 26 2024										Time: 15:33 30.8 UTC		Magnitude: 1.0 ML	
HLM1	HE	121.0	ES			23:56	04.99			-0.53	Lat: 52.644										Lon: -3.858		Depth: 4.6 km	
HLM1	HN	121.0	IAML			23:56	08.47	42	0.14		Grid Ref: 274.30 kmE										306.80 kmN		RMS: 0.30 secs	
HLM1	HE	121.0	IAML			23:56	08.52	39	0.22		Locality: CORRIS,GWYNEDD													
WACR	HZ	123.0	EP			23:55	51.43			0.17	Velocity model: Lownet										Xnear: 100.0		Xfar: 200.0	
WACR	HN	123.0	ES			23:56	05.27			-0.46	Comment: FELT MACHYNLLETH										Intensity: 3			
WACR	HN	123.0	IAML			23:56	06.93	70	0.22		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES			
WACR	HE	123.0	IAML			23:56	09.24	76	0.20		LLW	BZ	26.3	EP			15:33	35.81			0.12			
FOEL	HZ	136.0	EP			23:55	53.36			0.07	LLW	BN	26.3	ES			15:33	39.08			-0.22			
FOEL	HE	136.0	ES			23:56	09.34			0.09	LLW	BN	26.3	IAML			15:33	39.46	10	0.22				
FOEL	HE	136.0	IAML			23:56	10.61	47	0.40	</														

TABLE 2 : PHASE DATA

FOEL	HZ	52.1	EP		15:33	40.15				0.05	FOEL	HN	53.4	ES		19:53	31.61			-0.56										
FOEL	HE	52.1	IAML		15:33	47.41	10	0.38			FOEL	HE	53.4	IAML		19:53	32.26	29	0.20											
FOEL	HN	52.1	IAML		15:33	47.65	7	0.41			FOEL	HN	53.4	IAML		19:53	33.02	31	0.38											
LPWF	HZ	60.7	EP		15:33	41.10				-0.25	CWF	HZ	75.6	EP		19:53	28.70			-0.07										
HLMI	HZ	67.7	EP		15:33	42.12				-0.39	CWF	HN	75.6	ES		19:53	37.45			-0.59										
HLMI	HN	67.7	ES		15:33	50.95				-0.14	CWF	HN	75.6	IAML		19:53	37.65	42	0.12											
HLMI	HE	67.7	IAML		15:33	51.52	11	0.32			CWF	HE	75.6	IAML		19:53	37.68	18	0.11											
HLMI	HN	67.7	IAML		15:33	51.58	15	0.28			LBWR	HZ	82.5	EP		19:53	29.91			0.04										
WLF1	HZ	80.4	EP		15:33	44.45				0.04	LBWR	HN	82.5	IAML		19:53	40.82	13	0.34											
WLF1	HE	80.4	IAML		15:33	54.61	5	0.17			LBWR	HE	82.5	IAML		19:53	41.22	15	0.24											
WLF1	HN	80.4	IAML		15:33	54.70	5	0.18			LLW	BZ	83.9	EP		19:53	30.40			0.35										
WPS	HZ	94.5	EP		15:33	46.86				0.27	MCH1	HZ	96.6	EP		19:53	32.14			0.11										
WPS	HN	94.5	IAML		15:33	58.26	5	0.28			MCH1	HN	96.6	ES		19:53	43.70			0.02										
WPS	HE	94.5	IAML		15:33	58.76	7	0.26			MCH1	HE	96.6	IAML		19:53	44.26	43	0.34											
RSBS	HZ	97.8	EP		15:33	46.93				-0.22	MCH1	HN	96.6	IAML		19:53	44.45	34	0.18											
RSBS	HN	97.8	IAML		15:34	03.01	8	0.10			MONM	HZ	109.0	EP		19:53	34.44			0.49										
RSBS	HE	97.8	IAML		15:34	03.36	8	0.08			MONM	HE	109.0	IAML		19:53	48.83	21	0.36											
MONM	HZ	115.0	EP		15:33	50.29				0.52	MONM	HN	109.0	IAML		19:53	50.98	35	0.36											
MONM	HN	115.0	ES		15:34	04.01				0.36	LPW	HZ	135.0	EP		19:53	38.20			0.38										
MONM	HE	115.0	IAML		15:34	04.08	5	0.18			HPK	HN	140.0	ES		19:53	55.27			0.16										
MONM	HN	115.0	IAML		15:34	04.14	7	0.30			HPK	HE	140.0	IAML		19:53	57.27	54	0.26											
LBWR	HZ	166.0	EP		15:33	58.30				0.95	HPK	HE	140.0	IAML		19:53	57.27	54	0.26											
December 28 2024											Time: 03:57 16.9 UTC										Magnitude: 0.5 ML									
Lat: 52.573											Lon: -1.836										Depth: 8.2 km									
Grid Ref: 411.11 kmE											297.29 kmN										RMS: 0.30 secs									
Locality: SUTTON COLDFIELD,WMD																														
Velocity model: Lownet											Xnear: 100.0										Xfar: 200.0									
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	WPS	HZ	155.0	EP		19:53	41.09			0.45										
CWF	HZ	40.2	EP			03:57	23.93			-0.08	WPS	HE	155.0	IAML		19:53	59.09	15	0.24											
CWF	HE	40.2	ES			03:57	28.75			-0.46	WPS	HN	155.0	IAML		19:53	59.53	18	0.44											
CWF	HE	40.2	IAML			03:57	28.84	3	0.10		AR09	HN	160.0	IAML		19:54	01.95	31	0.26											
CWF	HN	40.2	IAML			03:57	28.84	4	0.10		AR09	HE	160.0	IAML		19:54	02.68	40	0.34											
HLMI	HZ	71.1	EP			03:57	28.71			-0.13	RSBS	HZ	184.0	EP		19:53	44.23			-0.32										
HLMI	HN	71.1	ES			03:57	37.10			-0.46	RSBS	HE	184.0	IAML		19:54	10.62	6	0.16											
HLMI	HN	71.1	IAML			03:57	37.28	4	0.12		RSBS	HN	184.0	IAML		19:54	12.56	6	0.18											
HLMI	HE	71.1	IAML			03:57	37.42	4	0.12		AT10	HZ	194.0	EP		19:53	48.04			2.15										
LBWR	HZ	92.5	EP			03:57	32.61			0.47	AT10	HE	194.0	IAML		19:54	11.14	16	0.32											
LBWR	HE	92.5	ES			03:57	43.33			0.06	AT10	HN	194.0	IAML		19:54	13.19	16	0.42											
LBWR	HN	92.5	IAML			03:57	43.62	2	0.23		WINS	HN	200.0	IAML		19:54	12.49	22	0.20											
LBWR	HE	92.5	IAML			03:57	43.67	2	0.20		WINS	HE	200.0	IAML		19:54	13.63	19	0.20											
FOEL	HZ	98.6	EP			03:57	33.43			0.33	HEX	HZ	214.0	EP		19:53	49.35			0.99										
MCH1	HZ	102.0	EP			03:57	33.59			0.02	HEX	HN	214.0	IAML		19:54	15.82	11	0.28											
MCH1	HN	102.0	ES			03:57	45.55			-0.20	HEX	HE	214.0	IAML		19:54	16.22	10	0.30											
MCH1	HN	102.0	IAML			03:57	45.58	1	0.20		DYA	HN	282.0	IAML		19:54	36.55	3	0.20											
MCH1	HE	102.0	IAML			03:57	45.73	1	0.14		DYA	HE	282.0	IAML		19:54	37.46	3	0.16											
MONM	HZ	105.0	EP			03:57	34.41			0.36																				
MONM	HN	105.0	ES			03:57	46.70			0.13																				
MONM	HN	105.0	IAML			03:57	50.44	1	0.17																					
MONM	HE	105.0	IAML			03:57	51.40	2	0.43																					
December 28 2024											Time: 12:13 16.2 UTC										Magnitude: 0.4 ML									
Lat: 51.668											Lon: -4.218										Depth: 7.6 km									
Grid Ref: 246.63 kmE											198.96 kmN										RMS: 0.10 secs									
Locality: BURRY PORT,CARMARTH																														
Velocity model: Lownet											Xnear: 100.0										Xfar: 200.0									
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	RSBS	HZ	48.2	EP		12:13	24.53			-0.01										
RSBS	HE	48.2	ES			12:13	30.62			-0.03	RSBS	HE	48.2	ES		12:13	30.62			-0.03										
RSBS	HN	48.2	IAML			12:13	31.39	1	0.08		RSBS	HN	48.2	IAML		12:13	31.61	2	0.06											
RSBS	HE	48.2	IAML			12:13	31.61	2	0.06		HEX	HZ	72.9	EP		12:13	28.50			0.13										
HEX	HZ	72.9	EP			12:13	28.50			0.13	HEX	HE	72.9	ES		12:13	37.16			-0.11										
HEX	HE	72.9	ES			12:13	37.16			-0.11	HEX	HE	72.9	IAML		12:13	38.28	1	0.26											
HEX	HN	72.9	IAML			12:13	38.28	1	0.26		HEX	HN	72.9	IAML		12:13	38.55	2	0.34											
HTL	HZ	77.2	EP			12:13	29.13			0.12	HTL	HZ	77.2	EP		12:13	29.13			0.12										
HTL	HE	77.2	ES			12:13	38.32			-0.06	HTL	HE	77.2	ES		12:13	38.32			-0.06										
HTL	HE	77.2	IAML			12:13	38.55	2	0.16		HTL	HE	77.2	IAML		12:13	38.55	2	0.16											
HTL	HN	77.2	IAML			12:13	38.77	2	0.17		MCH1	HZ	91.7	EP		12:13	31.24			-0.04										
MCH1	HZ	91.7	EP			12:13	31.24			-0.04	MCH1	HN	91.7	ES		12:13	42.33			0.03										
MCH1	HN	91.7	ES			12:13	42.33			0.03	MCH1	HN	91.7	IAML		12:13	42.79	1	0.10											
MCH1	HN	91.7	IAML			12:13	42.79	1	0.10		MCH1	HE	91.7	IAML		12:13	44.46	1	0.18											
MCH1	HE	91.7	IAML			12:13	44.46	1	0.18		MONM	HZ	99.5	EP		12:13	32.45			-0.02										
MONM	HZ	99.5	EP			12:13	32.45			-0.02	MONM	HE	99.5	IAML		12:13	45.18	2	0.27											
MONM	HE	99.5	IAML			12:13	45.18	2	0.27		MONM	HN	99.5	IAML		12:13	46.08	2	0.32											
MONM	HN	99.5	IAML			12:13	46.08	2	0.32		HLMI	HN	132.0	IAML		12:13	54.55	1	0.24											
HLMI	HN	132.0	IAML			12:13	54.55	1	0.24		HLMI	HE	132.0	IAML		12:13	55.71	1	0.26											
HLMI	HE	132.0	IAML			12:13	55.71	1	0.26																					
December 28 2024											Time: 19:53 16.1 UTC										Magnitude: 1.8 ML									
Lat: 52.791											Lon: -2.424										Depth: 6.1 km									
Grid Ref: 371.41 kmE											321.61 kmN										RMS: 0.50 secs									
Locality: NEWPORT,SHROPSHIRE																														
Velocity model: Lownet											Xnear: 100.0										Xfar: 250.0									
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STNC	HZ	36.4	EP		19:53	22.67			-0.03										
STNC	HE	36.4	ES			19:53	27.69			0.14	STNC	HE	36.4	IAML		19:53	27.99	124	0.20											
STNC	HE	36.4	IAML			19:53	27.99			0.14	STNC	HN	36.4	IAML		19:53	28.54	72	0.22											
STNC	HN	36.4	IAML			19:53	28.54			0.22	HLMI	HZ	43.3	EP		19:53	23.66			-0.15										
HLMI	HZ	43.3	EP			19:53	23.66			-0.15	HLMI	HN	43.3	ES		19:53	29.08			-0.38										
HLMI	HN	43.3	ES			19:53	29.08			-0.38	HLMI	HE	43.3	IAML		19:53	30.16	45	0.28											
HLMI	HE	43.3	IAML			19:53	30.16	45	0.28		FLMI	HN	43.3	IAML		19:53	30.63	26	0.24											
FLMI	HN	43.3	IAML			19:53	30.63	26	0.24		FOEL	HZ	53.4	EP		19:53	25.50			0.12										
FOEL	HZ	53.4	EP			19:53	25.50			0.12																				

TABLE 3

GEOGRAPHIC COORDINATES OF SEISMOGRAPH STATIONS, 2024

Code	Name	Lat	Lon	E (km)	N (km)	Ht (m)	Comp
AP12	ULPHA	54.3100	-3.2670	317.66	491.23	220	BBR
AQ10	GARSTANG	53.9150	-2.8270	345.78	446.86	22	BB
AQ12	SELSIDE	54.4370	-2.7520	351.32	504.88	389	BBR
AR01	HASLINGDEN	53.7022	-2.3450	377.32	422.92	256	BB
AR05	SKIPTON	53.9910	-2.0190	398.85	454.99	259	BB
AR07	SLAIDBURN	53.9960	-2.4590	370.01	455.65	233	BBR
AR09	INGLETON	54.2260	-2.4410	371.35	481.23	481	BB
AS02	UPPERMILL	53.5542	-1.9856	401.05	406.40	287	BB
AT10	SNILESWORTH	54.3700	-1.1760	453.63	497.48	333	BB
AT12	BISHOPTON	54.5770	-1.4480	435.78	520.34	62	BB
AU05	LAYTHAM	53.8599	-0.8741	474.15	441.00	3	BB
AU07	BIRKDALE	54.1120	-0.9590	468.15	468.96	102	BB
AU08	SOUTH WOLD	54.1238	-0.6613	487.59	470.60	175	BBR
BEDF	BEDFIELD	52.2505	1.2591	622.56	266.37	56	BBR
BIGH	UPPER BIGHOUSE	58.4932	-3.9102	288.75	957.69	70	BBSMR
BRADT	BRADWELL	51.7395	0.9045	600.63	208.53	11	BBSM
BRDL	BROAD LANE	51.1880	-0.2650	521.35	144.63	74	BB
CCA1	CARNMENELLIS	50.1866	-5.2277	169.62	36.90	210	BBSMR
CLGH	CUSHENDALL	55.0828	-6.1106	137.76	584.21	239	BBR
CTON	CARLTON	54.2540	-1.9380	404.14	484.26	411	BBR
CWF	CHARNWOOD FST	52.7385	-1.3076	446.74	315.91	203	BBSMR
DRUM	DRUMTOCHTY	56.9123	-2.4865	370.48	780.23	208	BBSMR
DYA	YADSWORTHY	50.4353	-3.9310	262.88	61.34	292	BBR
EAB	ABERFOYLE	56.1887	-4.3386	254.97	701.95	294	BBR
EDI	EDINBURGH	55.9233	-3.1875	325.80	670.66	125	BBR
EDMD	EDMUNDBYERS	54.8312	-1.9636	402.43	548.48	337	BBSMR
ELMS	ELMSETT	52.0934	0.9895	604.88	248.11	75	BBSMR
ELSH	ELHAM	51.1482	1.1345	619.32	143.44	126	BBSMR
ESK	ESKDALEMUIR	55.3165	-3.2052	323.52	603.16	261	BBR
ESY	STONEYPATH	55.9175	-2.6141	361.62	669.55	337	BBR
FOEL	TREGEIRIOG	52.8898	-3.2012	319.27	333.15	449	BBSMR
GAL1	GALLOWAY	54.8664	-4.7114	226.02	555.78	117	BBR
GDLE	GLAISDALE	54.4218	-0.8157	476.94	503.57	228	BBSMR
GGERF	DALMARNOCK	55.8410	-4.2220	260.92	663.09	19	BBR
GVIE	GLENDOE VIEW	57.1010	-4.5590	245.04	804.04	663	BBR
HEX	EXMOOR	51.0668	-3.8025	273.80	131.27	278	BBR
HLM1	LONG MYND	52.5184	-2.8807	340.25	291.57	429	BBR
HMNX	HERSTMONCEUX	50.8674	0.3363	564.49	110.15	26	BBR
HPK	HAVERAH PARK	53.9581	-1.6241	424.66	451.42	233	BBSMR
HTL	HARTLAND	50.9943	-4.4849	225.64	124.66	86	BBSMR
INVG	INVERGELDIE	56.4273	-4.0452	273.96	727.99	279	BBSMR
IOMK	KIRK MICHAEL	54.2605	-4.5662	232.95	488.02	188	BBR
JSA	ST AUBINS	49.1878	-2.1717			39	BBR
KESW	KESWICK	54.5886	-3.1048	328.70	522.05	282	BBSMR
KPL	PLOCKTON	57.3391	-5.6527	180.21	833.50	13	BBSMR
LAW	LOCH AWE	56.2601	-5.3990	189.58	712.71	137	BBSMR
LBWR	LADYBOWER	53.4016	-1.7248	418.40	389.45	353	BBSMR
LINV	LOCHINVER	58.1470	-5.1970	211.94	922.03	57	BBR
LMK	MARKET RASEN	53.4573	-0.3274	511.15	396.92	133	BBSMR
LRW	LERWICK	60.1360	-1.1779	445.66	1139.27	98	BBSMR
MCD	COLEBURN DISTIL	57.5828	-3.2541	325.02	855.42	293	BBR
MCH1	MICHAELCHURCH	51.9974	-2.9983	331.47	233.74	219	BBSMR
MONM	MONMOUTH	51.8396	-2.8054	344.61	215.98	145	BBR
NEWG	NEW GALLOWAY	55.1173	-4.2299	257.88	582.59	151	BBR
OLDB	OLDBURY	51.6609	-2.5514	361.95	195.94	6	BBSMR
PGB1	GLENIFFERBRAES	55.8115	-4.4837	244.38	660.37	199	BBR
PITL	PITLOCHTY	56.8195	-3.5974	302.59	770.92	390	BBR
RSBS	ROSEBUSH	51.9530	-4.7448	211.48	231.84	278	BBR
SKP	KOPHILL	51.7220	-0.8100	482.30	203.26	212	BB

TABLE 3

GEOGRAPHIC COORDINATES OF SEISMOGRAPH STATIONS, 2024

Code	Name	Lat	Lon	E (km)	N (km)	Ht (m)	Comp
SMD	MENDIPS	51.3083	-2.7170	350.12	156.82	310	BBR
SOFL	SORNFELLI	62.0689	-6.9658			721	BBR
SPK	SELLA PARK	54.4183	-3.4913	303.24	503.58	50	SM
STBN	SUTTON BONINGTON	52.8375	-1.2481	450.78	326.92	40	BBR
STNC	STOKE	53.0913	-2.2062	354.95	386.19	234	BBR
STRD	STROUD	51.7763	-2.1643	388.77	208.64	200	BBR
SWN1	SWINDON	51.5137	-1.8007	413.83	179.49	192	BBSMR
TARL	TARLAND	57.1608	-2.8725	347.33	808.11	320	BBR
TORA	TORNESS A	55.9692	-2.4037	374.80	675.20	5	SM
TORB	TORNESS B	55.9673	-2.4085	374.50	674.99	5	SM
THP	THORPE	54.4183	-3.4913	303.24	503.58	50	SM
WACR	WEST ACRE	52.7247	0.6267	577.48	317.35	66	BBSMR
WINS	WINSTON	54.5520	-1.8320	410.96	517.43	156	BBR
WLF1	LLYNFAES	53.2894	-4.3966	240.27	379.65	58	BBSMR
WPS	CAMAES, ANGLESEY	53.4004	-4.4986	233.98	392.19	16	BBSMR

Component Codes:

1	Single vertical seismometer
3	Orthogonal set of 3 seismometers
SM	Strong motion seismometers
BB	Broadband Instruments
R	Station coordinates registered with the International Seismological Centre (ISC), England and the National Earthquake Information Centre (NEIC), USA

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

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

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
Blackpool	0.00	1.80	1.72
	0.60	3.00	
	1.00	4.00	
	2.52	4.60	
	7.55	6.45	
	18.87	7.00	
	34.15	8.00	
Surrey	0.00	2.20	1.73
	0.20	2.40	
	0.40	2.60	
	0.70	2.70	
	1.20	3.10	
	1.50	3.60	
	1.80	4.70	
	2.10	5.00	
	2.40	5.50	
	7.60	6.40	
	18.90	7.00	
	34.20	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. A key to the abbreviations used in the comments column are given below.

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

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

Locality and Comments abbreviations

Rhondda CT	Rhondda Cynon Taff
Carmarth	Carmarthenshire
Heref	Herefordshire
D & G	Dumfries & Galloway
Lancs	Lancashire
Pembs	Pembrokeshire
Salop	Shropshire
Staffs	Staffordshire
WMD	West Midlands
East DNB	East Dunbartonshire
NPT	Neath Port Talbot
Gtr Manchester	Greater Manchester
Notts	Nottinghamshire
Bucks	Buckinghamshire
Hants	Hampshire
Northumb	Northumberland
Glos	Gloucestershire
IOM	Isle of Man
Dodman Pt	Dodman Point
...	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, positive latitude indicates North.
Lon	Longitude of the event, positive longitude indicates East.
Depth	Depth of the hypocentre in kilometres.
Grid Ref	UK National Grid Reference in kilometres east (kmE) and kilometres north (kmN) of grid origin.
RMS	Root Mean Square of the travel time residuals in seconds.
Velocity Model	Velocity model used in location.
Magnitude	Richter local magnitude of the event.
Locality	A geographical indication of the epicentral area, usually the nearest town followed by the region.
Intensity	Maximum EMS intensity. 2, 3, 4, 5 etc. describes the maximum EMS intensity produced by the event.
Comments	Additional comments about the event e.g.: C/F see list of comments and abbreviations in Appendix 1.
STAT	Station name
CO	Z=vertical N=north south E=east west
DIST	Distance from earthquake to station (km)
PHAS	Phase identifier; the first letter characterizes onset E=emergent I=impulsive, the second indicates the phase e.g. P, S, PG, PN, IAML
WT	Weighting factor to arrival. 0 or blank=full weighting to 4=zero weighting (ignore). 9=use P S interval only for this line.
P	Polarity C=Compression/up D=Dilatation/down
HrMn	Hour, Minute of event
SECS	Seconds of event
AMPL	Amplitude centre to peak in nanometres (nm)
PERI	Period in seconds
RES	Station residual

Appendix 3 The European Macroseismic Scale (EMS 98)

1 - **Not felt**

Not felt, even under the most favourable circumstances.

2 - **Scarcely felt**

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

3 - **Weak**

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

4 - **Largely observed**

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

5 - **Strong**

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

6 - **Slightly damaging**

Felt by most indoors and by many outdoors. Many people in buildings are frightened and run outdoors. Small objects fall. Slight damage to many ordinary buildings e.g.; fine cracks in plaster and small pieces of plaster fall.

7 - **Damaging**

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

8 - **Heavily damaging**

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

9 - **Destructive**

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

10 - **Very destructive**

Many ordinary buildings collapse.

11 - **Devastating**

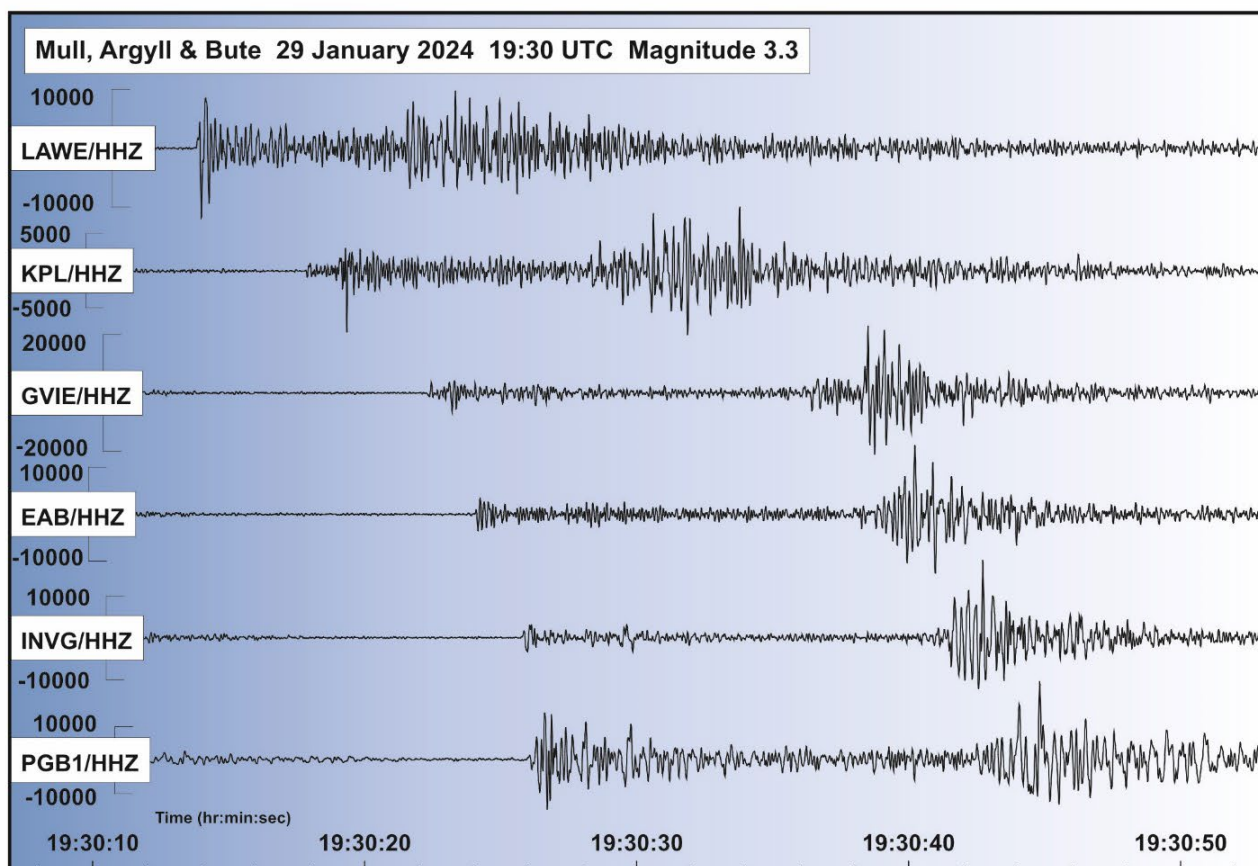
Most ordinary buildings collapse.

12 - **Completely devastating**

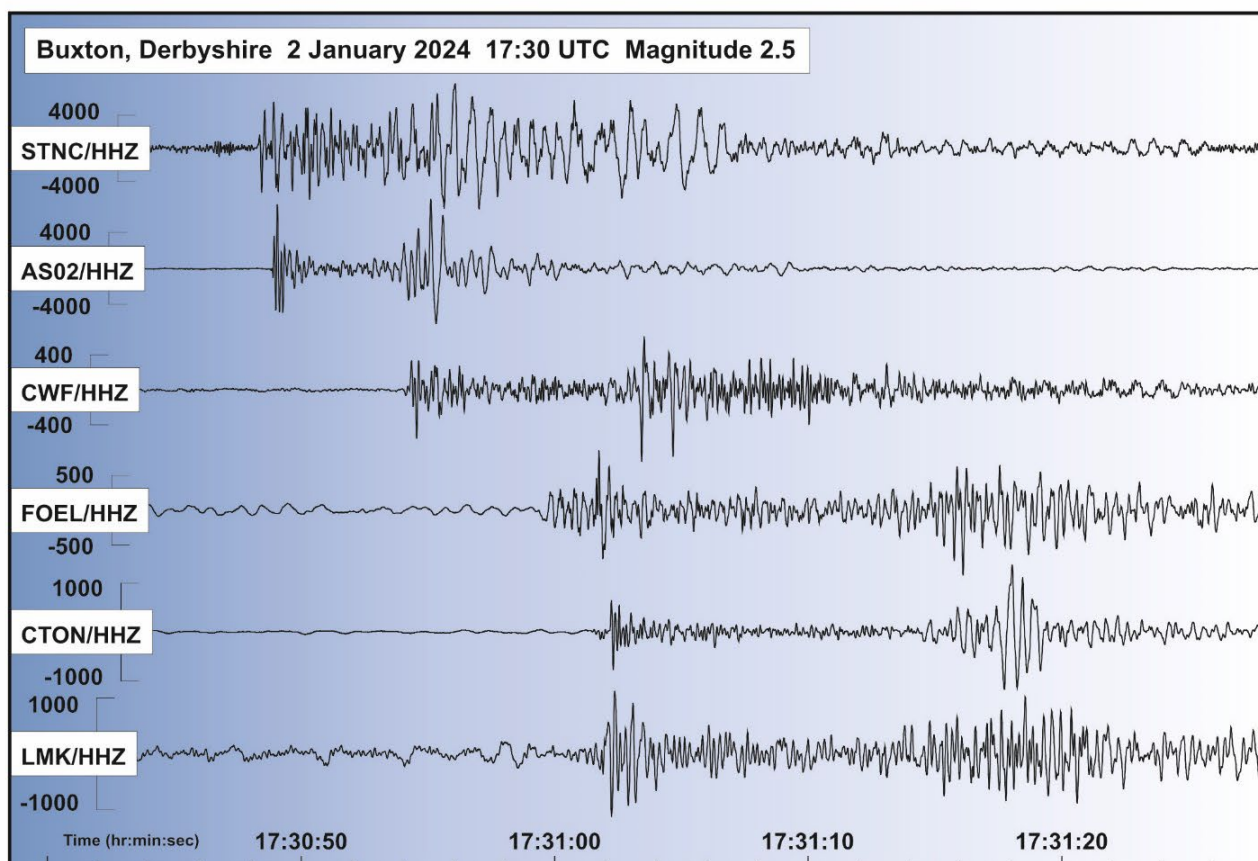
Practically all structures above and below ground are heavily damaged or destroyed.

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



Seismograms of the ground displacements from the magnitude 3.3 ML Mull, Argyll & Bute earthquake on 29 January 2024.



Seismograms of the ground displacements from the magnitude 2.5 ML Buxton, Derbyshire earthquake on 2 January 2024.