BRITISH GEOLOGICAL SURVEY

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The British Geological Survey Earthquake Bulletin for 2020

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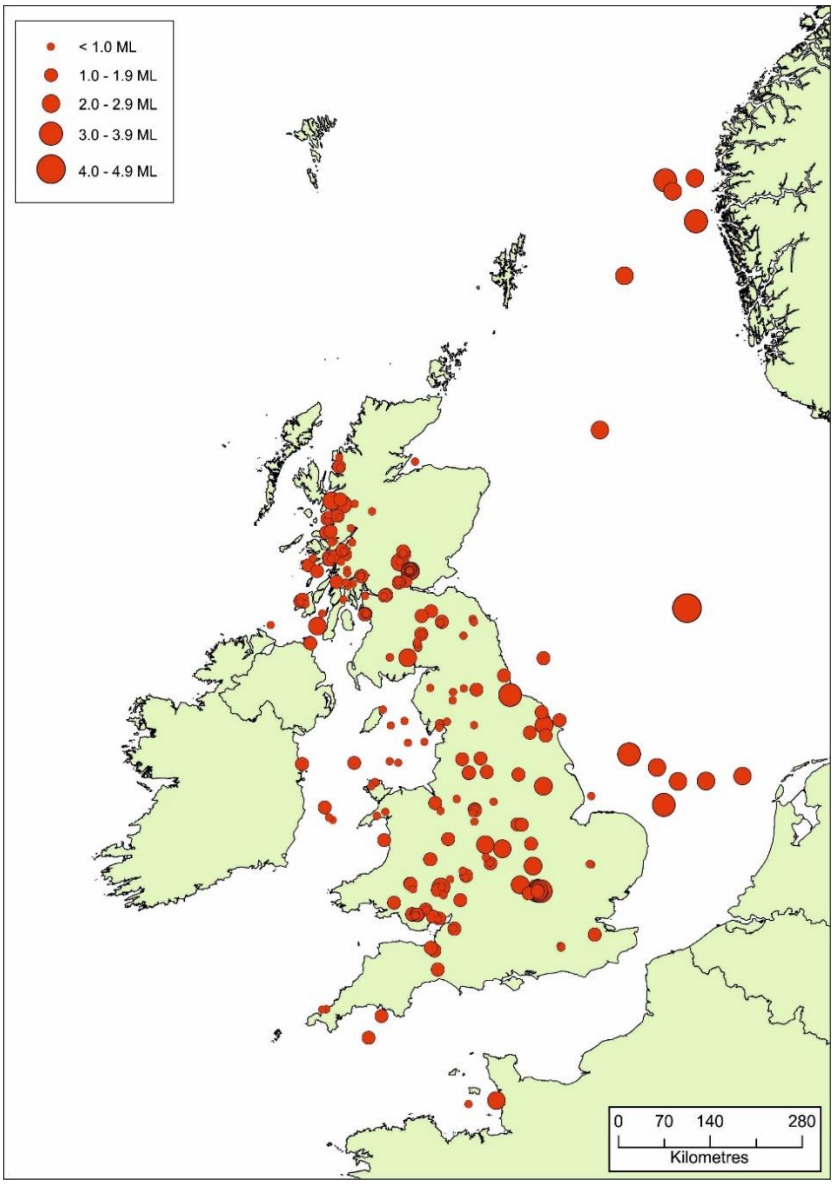

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BRITISH GEOLOGICAL SURVEY

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1 Introduction

The British Geological Survey (BGS) through it's 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 2020, listed in Tables 1 and 2. Maps showing seismic activity in 2020 (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°W to 6°E and 48°N to 64°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 103 (62 permanent and 41 temporary) stations with broadband, short period and strong motion accelerometers. Of the permanent sites, some 48 are equipped with broadband seismometers and 31 have strong motion accelerometers, 25 of which are co-located with broadband sensors. The remaining 8 sites are equipped with short period seismometers. 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 2020. 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 2020. The data set is considered complete for these magnitudes in all localities onshore. Seismicity for the period 1970 to 2020 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 2020 Seismicity

There were 431 earthquakes located by the BGS seismic monitoring network during the year, with 35 having magnitudes of 2.0 ML or above, eight having magnitudes of 3.0 ML or above and one having a magnitude of 4.0 ML or above. Some 17 events with a magnitude of 2.0 ML or above were reported felt, together with a further 22 smaller ones, giving a total of 39 felt earthquakes in 2020.

Of the 431 earthquakes located, some 164 of them were events with magnitudes between -1.3 ML and 1.7 ML, that occurred near the village of Carharrack, Cornwall. These were recorded by a local network belonging to the United Downs Deep Geothermal Project (UDDGP) and are a consequence of testing of their wells, which are intended for geothermal energy production. The largest two occurred at 11:44 UTC on 30 September and 10:46 UTC on 8 December with magnitudes of 1.6 ML and 1.7 ML, respectively. The 30 September event was felt in Carharrack, Lanner, Ponsanooth and Penryn. Reports described, "felt a short rumble", "there was a loud noise like a bang", "the walls rattled" and "it felt like a blast at the local quarry", indicating an intensity of around 3 EMS. The 8 December event was reported felt by a single resident in Carharrack, who described "a moderate shaking", indicating an intensity of 2 EMS.

The largest onshore earthquake in 2020 was a magnitude 3.5 ML event, that occurred on 8 September, at 08:45 UTC, near Leighton Buzzard, Bedfordshire (Figure 5). The BGS received over 1,950 reports, via online macroseismic questionnaires, of the earthquake being felt. Most reports were from towns, villages and hamlets in the counties of Bedfordshire, Buckinghamshire and Hertfordshire, with the majority coming from within around 25 km of the epicentre. Typical reports described, "the house had one dramatic shake", "all the windows rattled", "there was a heavy vibration", "felt like the whole house was shaking" and "it was like a large explosion". A maximum intensity of 6 EMS was assigned to this event (Figure 6). A further five events were detected in the same area during September 2020. The first of these occurred on 13 September, at 23:20 UTC, with a magnitude of 2.1 ML, and was felt, with a maximum intensity of 3 EMS, in an

area within around 5 km of the epicentre. Another two occurred on 14 and 15 September, at 06:11 UTC and 03:28 UTC, with magnitudes of 1.3 ML and 1.1 ML, respectively. Neither of these were reported felt. On 22 September at 08:32 UTC, a magnitude 3.0 ML event occurred (Figure 7). The BGS received some 500 reports, via online macroseismic questionnaires, of it being felt. Most reports were from within around 20 km of the epicentre. A maximum intensity of 4 EMS was assigned to this event. Later that day, at 12:39 UTC, a magnitude 2.1 ML event occurred and was felt with a maximum intensity of 3 EMS in an area within around 5 km of the epicentre. There is relatively little significant historical seismicity in this locality. An earthquake with a magnitude of 2.0 ML was recorded near Dunstable on 15 July 2010 and one with a magnitude of 2.2 ML occurred near Brackley, 30 km west of Leighton Buzzard, on 4 April 2020. Neither of these were reported felt. The closest event, with a similar magnitude (3.4 ML), was near Oxford on 6 November 1764, and was widely felt in Oxfordshire, Wiltshire and Berkshire.

The largest offshore earthquake in 2020 was a magnitude 4.0 ML event, that occurred on 22 February, at 18:43 UTC, in the Central North Sea, approximately 270 km northeast of Scarborough, North Yorkshire and 340 km west of Esbjerg, Denmark (Figure 8). This event locates approximately 100 km WNW of the magnitude 4.0 ML Central North Sea earthquake, on 18 October 1994, that was felt in the Dan gas and oil field and 150 km WNW of the magnitude 4.0 ML Central North Sea earthquake, on 7 July 1993, that was felt in the Gorm gas and oil field. A further sixteen earthquakes occurred in the Norwegian/North Sea areas during the year, with magnitudes between 0.9 ML and 3.5 ML.

On 7 January at 10:36 UTC, an earthquake with a magnitude of 2.3 ML occurred near the remote hamlet of Arnisdale, Highland. It was reported felt by two residents in Camusbane, Arnisdale (approximately 4 km from the epicentre), who described “a weak trembling” and “we thought it was thunder”, indicating an intensity of 2 EMS.

An earthquake with a magnitude of 3.1 ML occurred on 23 January, at 05:57 UTC, near the market town of Stockton-on-Tees, County Durham (Figure 9). The BGS received over 840 reports via online macroseismic questionnaires, of the earthquake being felt. The majority of the reports received were from residents in Stockton-on-Tees, Billingham, Norton, Middlesbrough, Wolviston, Thornaby and Hartlepool. Typical reports described, “woke me up”, “felt like someone had crashed into the house with a car”, “single shock and felt like an explosion nearby”, “it felt like the house was lifting from its foundations”, “it was over in a second or two but the shaking was severe” and “the whole wardrobe was shaking”. A maximum intensity of 5 EMS was assigned for this event (Figure 10). This earthquake locates approximately 50 km NNE of the magnitude 3.6 ML Ripon, North Yorkshire event on 3 January 2011, which was widely felt, with a maximum intensity of 5 EMS over an area extending approximately 25 km to the north and 40 km to the southwest of the epicentre. It also locates around 20 km ENE of the magnitude 3.1 ML Newton Aycliffe, County Durham earthquake on 15 September 2018, which was not reported felt. A focal mechanism calculated for the event shows strike slip faulting on fault planes that strike either NNE-SSW or ESE-WNW (Figure 11).

An earthquake with a magnitude of 2.2 ML occurred, at 11:53 UTC, on 31 January, near the town of Northampton, Northamptonshire. It was felt by a single resident in Kettering, who described “a weak shaking”, indicating an intensity of 2 EMS.

On 3 February at 00:36 UTC, an earthquake with a magnitude of 1.7 ML occurred on the Isle of Islay, Argyll & Bute. It was felt on the island by a single resident in Port Charlotte, who reported, “sound and vibration was like a large goods train approaching and then passing” and by another in Bruichladdich, who reported a “weak shaking”. An intensity of 3 EMS was assigned for this event. A further five events with magnitudes between 0.8 ML and 1.6 ML were detected on the island between 4 January and 27 March. None were reported felt.

An earthquake with a magnitude of 1.5 ML occurred on 16 March at 22:01 UTC, with a location near the hamlet of Kentra on the Ardnamurchan peninsula, Highland. It was felt by a few

residents in the villages and hamlets of Acharacle, Glenborrodale, Resipole, Mingarry, Gobsheallach, Kilchoan and Salen. Typical reports described, "a loud rumbling", "sounded like a large vehicle on the road outside", "a very distinct shaking" and "sounded like an explosion". A maximum intensity of 3 EMS was assigned for this event. This event locates approximately 6 km south 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.

On 24 March, at 17:19 UTC, an earthquake with a magnitude of 2.3 ML occurred approximately 4 km north of the village of Pontrilas, Herefordshire. The BGS received no reports that it was felt. The depth of the earthquake (around 16 km) probably contributed to the lack of reports. Historically, the largest earthquake to have occurred, within 10 km, was the magnitude 5.2 ML Hereford earthquake on 6 October 1863, which was felt throughout most of England and Wales, and caused minor damage in Hereford, Ross-on-Wye, Hay-on-Wye, Monmouth and Abergavenny.

An earthquake with a magnitude of 1.8 ML occurred on 14 May, at 22:53 UTC, near the settlement of Croggan on the Isle of Mull, Argyll & Bute. It was felt by residents on the Isle of Mull, on the Isle of Lismore, on the Isle of Seil, on the Isle of Kerrera, on Easdale Island and in Kilmelford, Kilmore and Oban. Reports described, "a long rumble like a passing truck", "the floor vibrated", "a slight rattling of the window frames", "heard a rumble like thunder" and "felt a slight shake then heard a bang". A maximum intensity of 3 EMS was assigned for this earthquake. A further six events occurred on the Isle of Mull during the year with two of them reported as felt. The two felt events, both with magnitudes of 1.4 ML, occurred on 6 April and 1 May with intensities of 2 EMS and 3 EMS, respectively. The magnitude 1.8 ML event, on 14 May, locates approximately 9 km SSW of the magnitude 4.1 ML Oban earthquake of 29 September 1986, which was felt over an area of around 30,000 km^2 with a maximum intensity of 5 EMS. It also locates around 35 km northwest of the magnitude 5.2 ML Argyll earthquake on 28 November 1880, the largest recorded Scottish earthquake, which was felt all along the west coast of Scotland, east as far as Perthshire, throughout the Inner and Outer Hebrides and in Northern Ireland.

On 4 June, at 12:48 UTC, a magnitude 2.1 ML earthquake occurred near the market town of Walsall, West Midlands. It was felt, by three people, in a single household in Walsall, who reported, "it sounded like an explosion" and was also felt by a single resident, in Great Wyrley, Staffordshire, who felt "a weak rumble", indicating an intensity of 2 EMS. This event locates approximately 18 km east of the magnitude 4.7 ML Dudley earthquake on 22 September 2002, which was felt over most of England and Wales with a maximum intensity of 5 EMS.

A magnitude 2.2 ML earthquake occurred at 14:22 UTC on 6 June, near the village of Comrie, Perth & Kinross (Figure 12). The BGS received over 200 reports, via online macroseismic questionnaires, of the earthquake being felt. The reports received were from residents in Comrie, Crieff, St Fillans and surrounding villages and hamlets. Typical reports described, "sounded like an explosion", "sounded like a large heavy vehicle passing by", "there was a really loud bang and the light fitting rattled", "all the windows shook" and "people ran into street to see what was going on". A maximum intensity of 4 EMS was assigned for this event. This is the largest event in the region (within 10 km) since a magnitude 2.2 ML earthquake on 14 December 1987, which was felt with intensities of at least 3 EMS in Comrie and Crieff. The area around Comrie has experienced a number of earthquake sequences or "swarms" in the past. For example, from 1788 to 1801 and 1839 to 1846. However, there has been relatively little seismicity in more recent times. The largest of all these was a magnitude 4.8 ML earthquake that occurred on 23 October 1839 and was felt over most of Scotland. It was also felt just across the English border, making it one of very few Scottish earthquakes to be felt in England. Significant damage was reported in Comrie and the surrounding area.

On 10 July, at 16:22 UTC, an earthquake with a magnitude of 2.0 ML occurred near the town of Nuneaton, Warwickshire. The BGS received no reports that it was felt. This earthquake locates

approximately 25 km NNE of the magnitude 4.2 ML Warwick event on 23 September 2000, which was widely felt (up to 150 km away) with a maximum intensity of 5 EMS.

A magnitude 2.6 ML earthquake occurred at 17:41 UTC on 21 August, with an epicentre on the Island of Skye, around 35 km SE of Portree, the largest settlement on the island. The BGS received some 37 reports, via online macroseismic questionnaires, of the earthquake being felt. The reports received were all from within 20 km of the earthquake location. Typical reports described, "the walls and floor shook", "was like the door banging", "all the windows rattled", "beams in the house creaked" and "sounded like thunder followed by a rumbling", indicating an intensity of at least 3 EMS.

A magnitude 2.8 ML earthquake occurred at 02:39 UTC on 16 September, with a location in the Channel Islands region, approximately 30 km ESE of Jersey (Figure 13). It was reported felt by a single resident in St Helier, Jersey, who described "thought it was a low rumble of thunder". It was also reported felt in several locations in the Manche département of France. An intensity of 3 EMS was assigned for this event. It locates approximately 33 km ENE 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. Historically, the largest earthquakes to have occurred in the region (within 10 km) were the Channel Islands earthquakes on 30 July 1926 and 17 February 1927, with magnitudes of 5.5 ML and 5.4 ML, respectively. Both these earthquakes were felt throughout the Channel Islands, in northwest France and along the south coast of England and caused much damage in Jersey.

A swarm of thirty-three earthquakes, ten of which were felt by local residents, were detected in the Blackford area, Perth & Kinross during 2020 with magnitudes ranging between 0.3 ML and 2.5 ML. The largest, magnitude 2.5 ML, occurred on 4 October at 18:43 UTC (Figure 14). The BGS received 85 reports, via online macroseismic questionnaires of it being felt. Reports were from residents in Blackford, Auchterarder, Dunning, Braco, Aberuthven, Gleneagles and Glendevon. Typical reports described, "windows rattled", "sounded like some sort of explosion", "heard a loud bang", "we felt a thud, like it was coming from under the house" and "felt like someone falling upstairs". A maximum intensity of 3 EMS was assigned for this event. There have been other distinct swarms immediately around Blackford. Between 1977 and the end of 1980 there were nine events with magnitudes greater than 2.0 ML. The largest was on 19 February 1979 and had a magnitude of 3.2 ML. It was strongly felt, with a maximum intensity of 5 EMS and reportedly caused damage to the Glen Devon dam in the Ochil Hills. Over 191 smaller events were recorded in this 4-year period. A total of 58 earthquakes were recorded between July 1997 and March 1998. Three of these had magnitudes greater than 2.0 ML. Between August 2000 and December 2005 a further five events with magnitudes larger than 2.0 ML were recorded. Many of these earthquakes were felt locally.

An earthquake with a magnitude of 1.7 ML occurred on 7 October, at 08:35 UTC, close to the village of Eddleston in the Scottish Borders. It was reported felt by a single resident in Lyne Station, a small hamlet around 6 km SSW of Eddleston, who described "some items on desk top vibrated at the same time as a weak rumbling was heard", indicating an intensity of 2 EMS.

On 8 October at 04:24 UTC, a magnitude 2.3 ML earthquake occurred near Sherburn, North Yorkshire. It was not reported felt, perhaps because of the relatively deep focus of around 19 km.

On 21 October at 02:49 UTC, an earthquake with a magnitude of 2.5 ML occurred near the village of Scampton, in the West Lindsey district of Lincolnshire (Figure 15) It was felt by several residents in North Hykeham, RAF Digby, Lincoln, Market Rasen, Waddington, Scunthorpe, Collingham, Grimsby and Broughton. Reports described, "a weak shaking", "sounded like low flying plane overhead" and "felt a slight rumble". A maximum intensity of 3 EMS was assigned for this event. This earthquake locates approximately 16 km WSW 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. It also locates around 30 km north of the magnitude 4.2 ML Lincoln earthquake on 1 August 1755.

A magnitude 2.0 ML earthquake occurred at 12:58 UTC on 24 October, with a location near Dumfries, Dumfries & Galloway (Figure 16). It was felt by several people in Dumfries, Thornhill, Castle Douglas, New Galloway and surrounding villages within around 20 km of the epicentre. Typical reports described, "we felt a weak shaking and heard a low rumbling noise", "we felt a slight bump", "a really unusual, deep vibration" and "a slight rumble like thunder". A maximum intensity of 3 EMS was assigned for this event. This event locates within 8 km of both the magnitude 3.5 ML Dumfries earthquake on 26 December 2006 and the magnitude 3.0 ML Dumfries earthquake on 13 May 2001, which were both felt throughout Dumfries & Galloway, with a maximum intensity of 5 EMS.

A magnitude 2.4 ML earthquake occurred at 06:52 UTC on 25 December, with an offshore location approximately 16 km from Kilchenzie on the Kintyre peninsula, Argyll & Bute. It was reported felt on the peninsula, in Kilchenzie and Machrihanish. Reports described, "a weak rumbling" and "it was like a large wood lorry rumbling past the house". A maximum intensity of 3 EMS was assigned for this event. This is the largest event to occur in this region of Argyll & Bute (within 50 km) since a magnitude 2.5 ML Islay earthquake on 20 June 2014, which was felt by many residents on the island, with a maximum intensity of 3 EMS. It also locates approximately 45 km WNW of the magnitude 4.0 ML Arran earthquake on 4 March 1999, which was widely felt (up to 150 km away) with a maximum intensity of 5 EMS. Historically, the largest earthquake on the peninsula, with a magnitude of 3.2 ML, occurred on 15 July 1889 and was felt over almost the whole peninsula.

On 31 December, at 11:18 UTC, an earthquake with a magnitude of 1.9 ML occurred near the village of Skirling, Scottish Borders. The BGS received over 90 reports, via online macroseismic questionnaires, of the earthquake being felt in Skirling, Biggar, Symington, Broughton, Stobo, Walston, Dolphinton, Elsrickle, West Linton, Blyth Bridge, Romannobridge, Carnwath and Peebles. Typical reports described, "there was a loud bang and the room shuddered", "we thought snow was falling from the roof", "heard a loud rumbling noise" and "all the windows rattled", indicating an intensity of at least 3 EMS.

5 UK Seismicity Statistics

Figure 17 shows a histogram of mainland UK earthquakes above magnitude 2.0 detected each year in different magnitude ranges. This shows significant variation across the 50 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 17 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 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 centred 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 Bishops Castle, Shropshire, earthquake in April 1990 (5.1 ML) and the Market Rasen, Lincolnshire earthquake in February 2008 (5.2 ML), both showed very limited aftershock sequences despite being well monitored. The former had seven aftershocks (all less than or equal to 1.5 ML and none felt) and the latter had eleven aftershocks, with magnitudes ranging 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 49 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.

Figures 18 and 19 show the statistics for all earthquakes known to be felt from 1979 to 2020, including those below magnitude 2.0 ML. As might be expected, Figure 18 shows three of the same peaks as for the event occurrences seen in Figure 17; 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.

Figure 19 shows the split between the number of felt events in coalfield areas (most of them mining-induced), and those which are natural earthquakes. It can be seen that the coalfield event distribution across the 40 years (1979 - 2020), largely mirrors the distribution of smaller events (2.0 ML or less) in Figure 18. As UK mining-induced events almost always occur within one km of the surface, they are felt at low magnitudes as they are close to the communities exposed. Natural earthquakes in the UK are generally in the depth range 3-20 km. By the year 2000, deep coal mining across the UK was tailing off and the upsurge in the mining-induced events in 2014 was associated with the Thoresby mine at New Ollerton, Nottinghamshire, which closed in 2015. The lack of mining events in 1984 is caused by the general miners' strike that year.

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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)
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)

References

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

Snoke, J. A., Munsey, J.W., Teague, A.C. and Bollinger, G.A. 1984. A program for focal mechanism determination by combined use of polarity and SV –P amplitude ratio data, *Earthquake Notes*, **55**, **3, 15**.

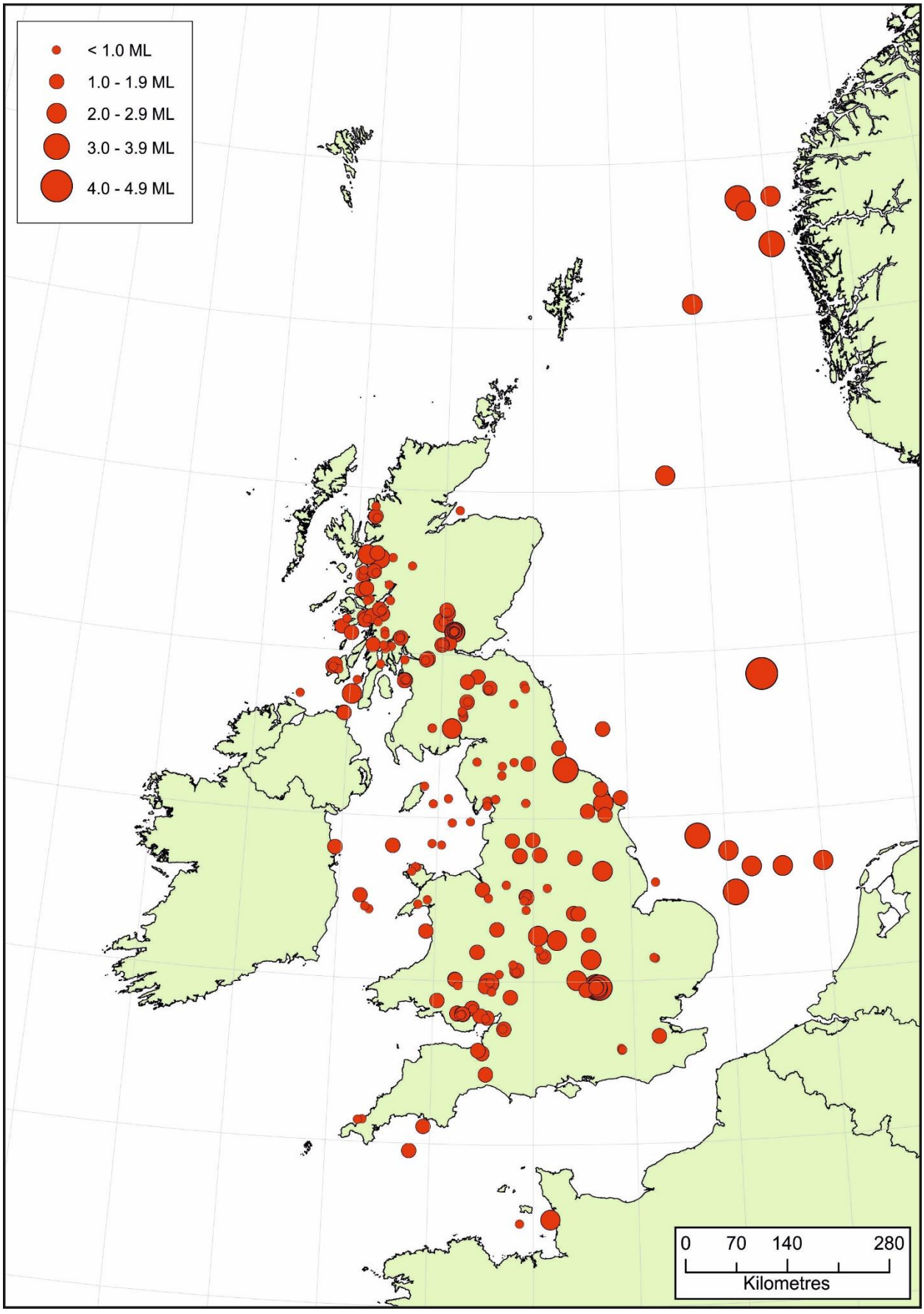

Figure 1. Epicentres of earthquakes in 2020 as listed in Table 1.

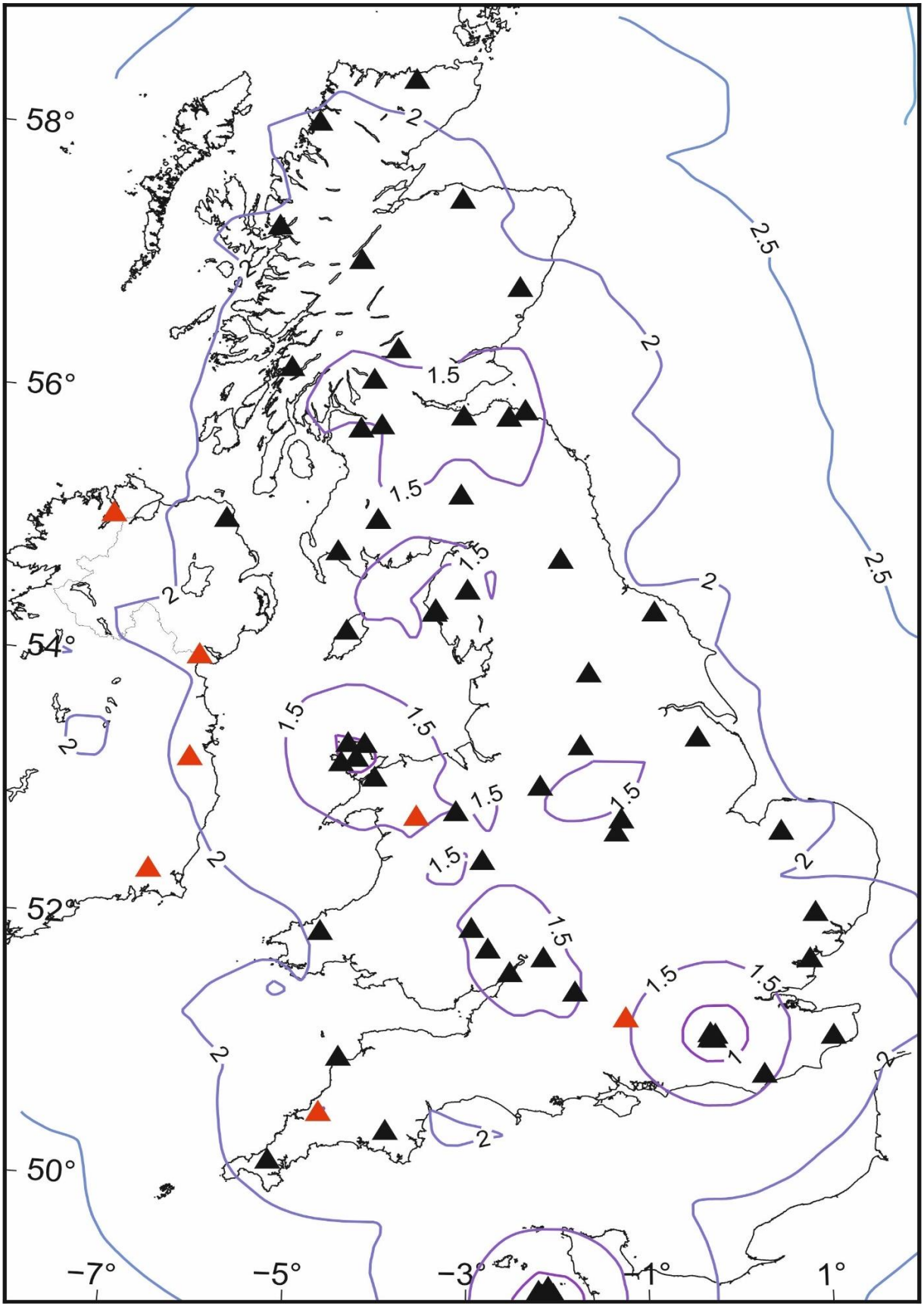

Figure 2. Detection capability of the network during 2020. The contours show earthquake magnitudes (ML) that can be detected. Signal amplitudes must exceed the background noise level by a factor of two at four or more stations. A noise amplitude of 10 nm (high noise) is assumed for all stations. Black 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.

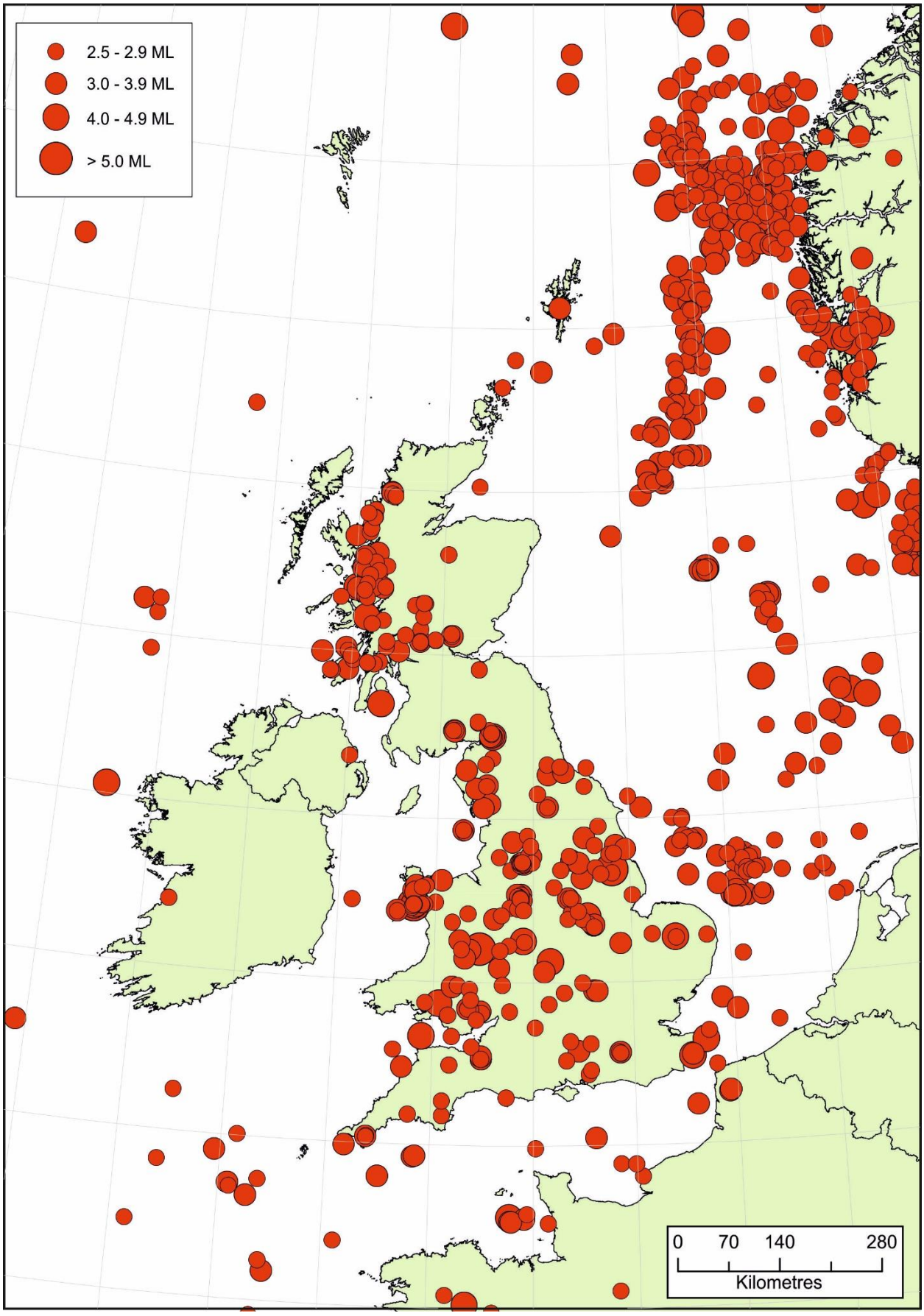

Figure 3. Epicentres of earthquakes with magnitudes of 2.5 ML and above, in the period 1979 to 2020.

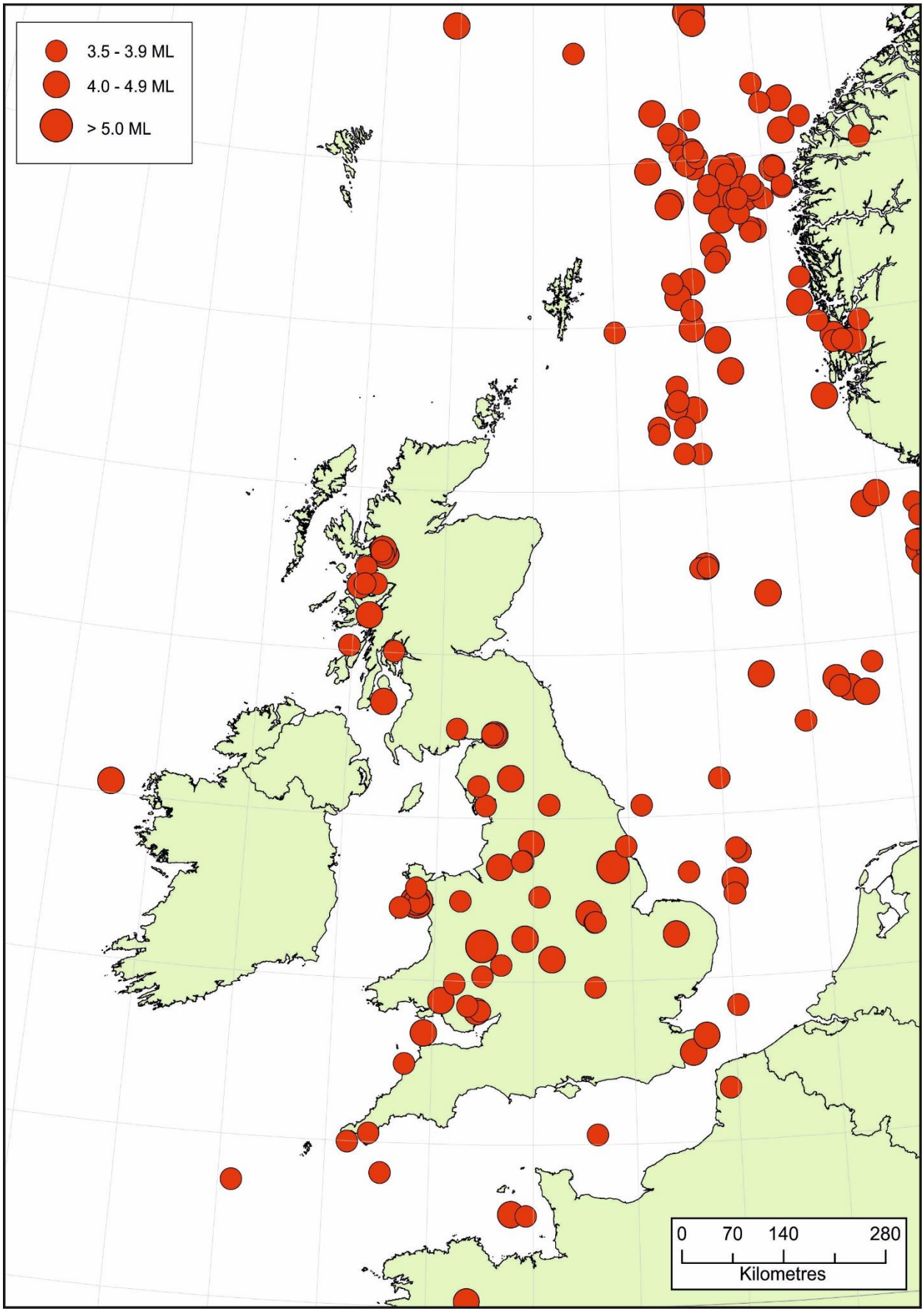

Figure 4. Epicentres of earthquakes with magnitudes of 3.5 ML and above, in the period 1970 to 2020.

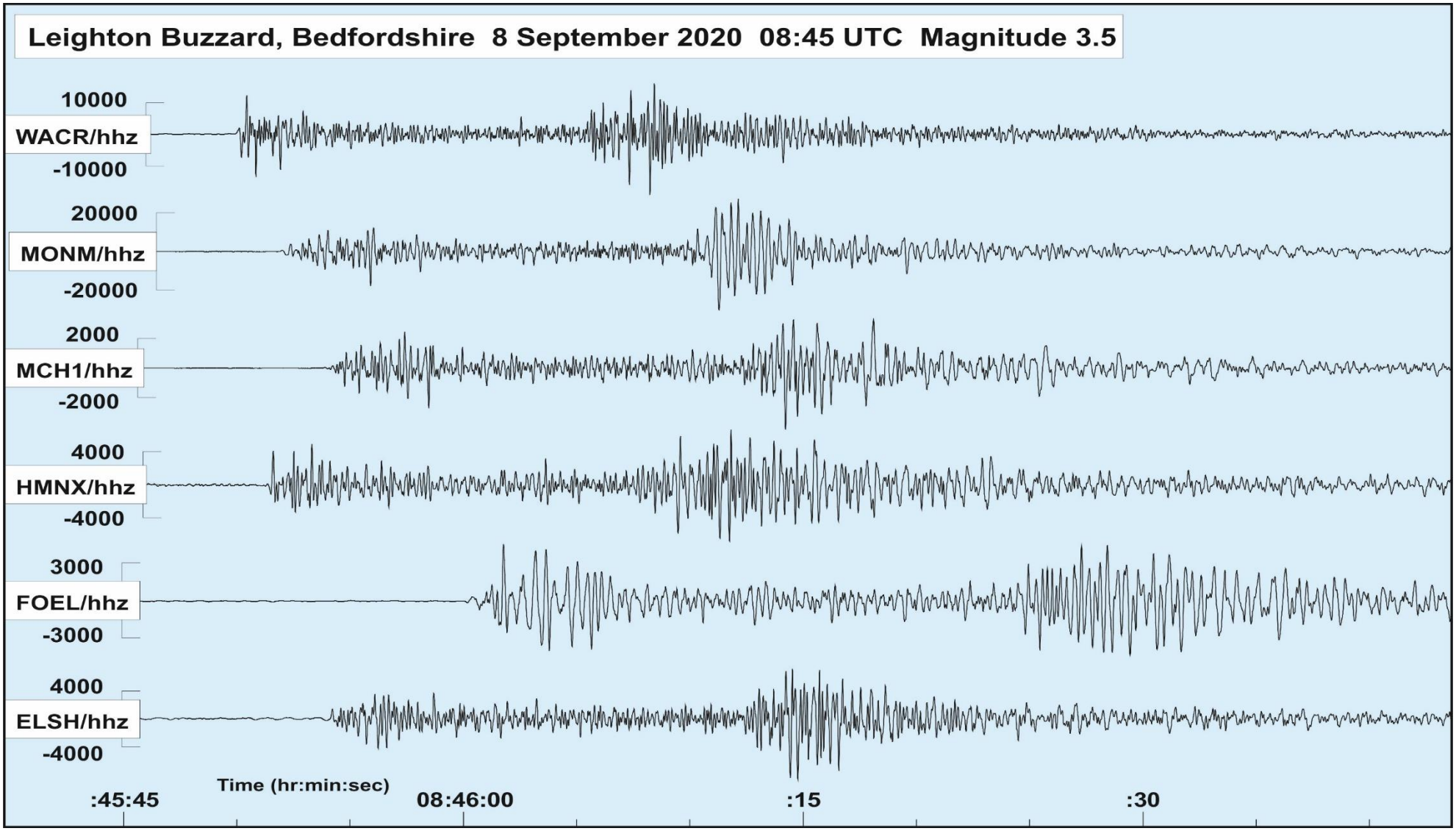

Figure 5. Seismograms of the ground displacements from the magnitude 3.5 ML Leighton Buzzard, Bedfordshire earthquake, 8 September 2020, recorded by BGS seismograph stations.

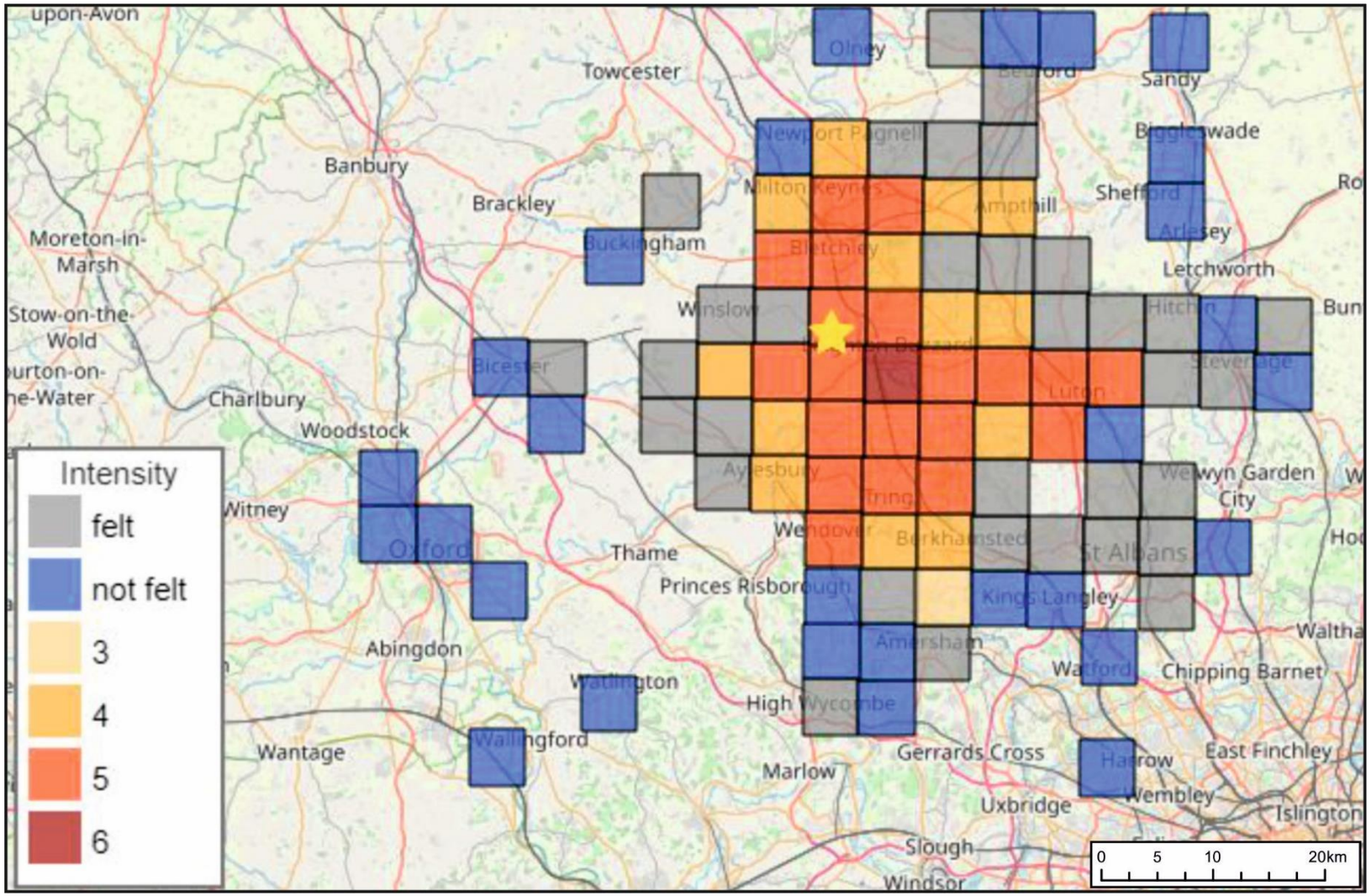

Figure 6. Macroseismic intensities (EMS) for the magnitude 3.5 ML Leighton Buzzard, Bedfordshire earthquake on 8 September 2020. The yellow star shows the epicentre. Intensities are calculated in 5 km grid squares from over 1,950 reports from people who felt the earthquake. A minimum of five observations 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'.

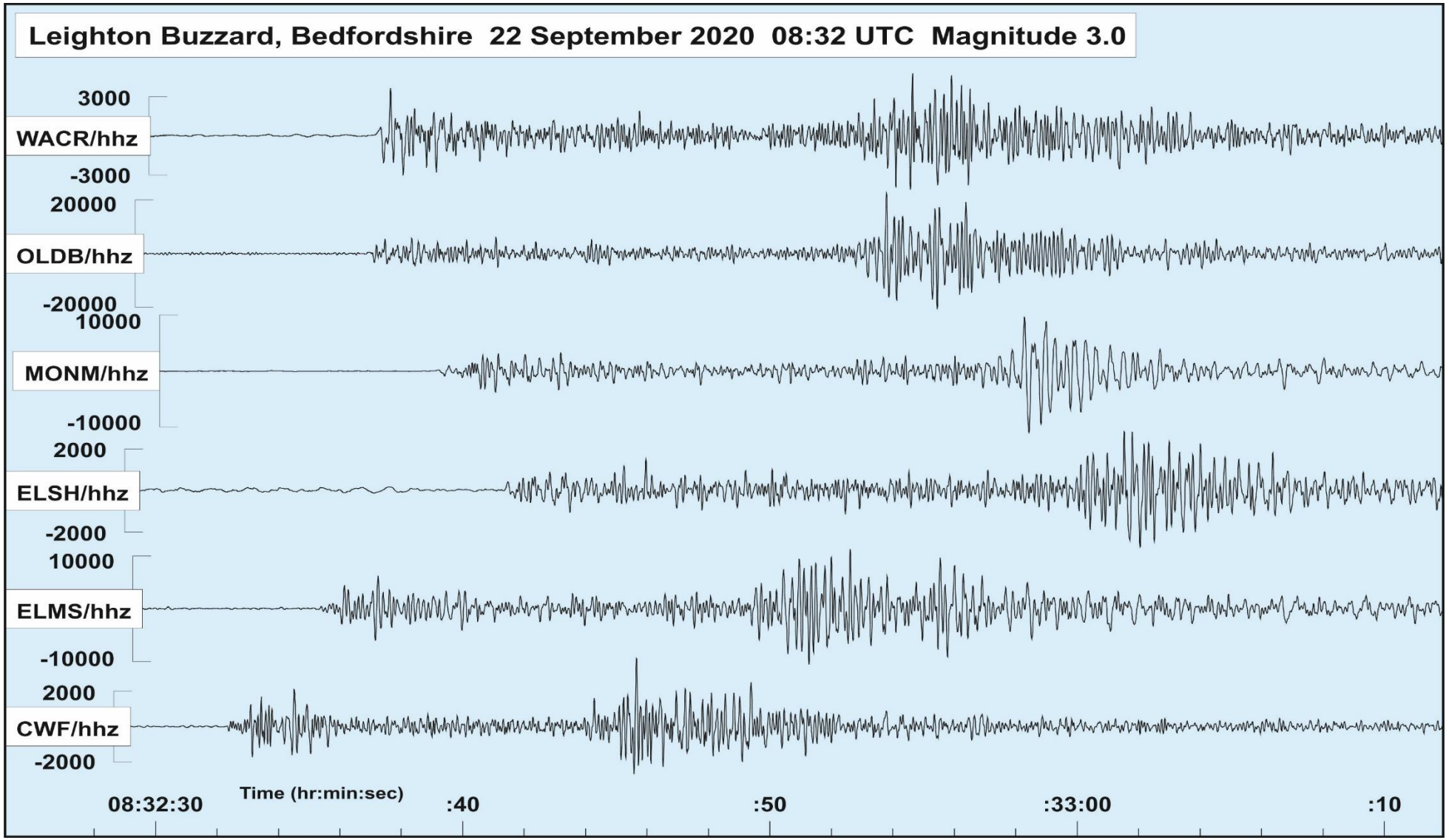

Figure 7. Seismograms of the ground displacements from the magnitude 3.0 ML Leighton Buzzard, Bedfordshire earthquake, 22 September 2020, recorded by BGS seismograph stations.

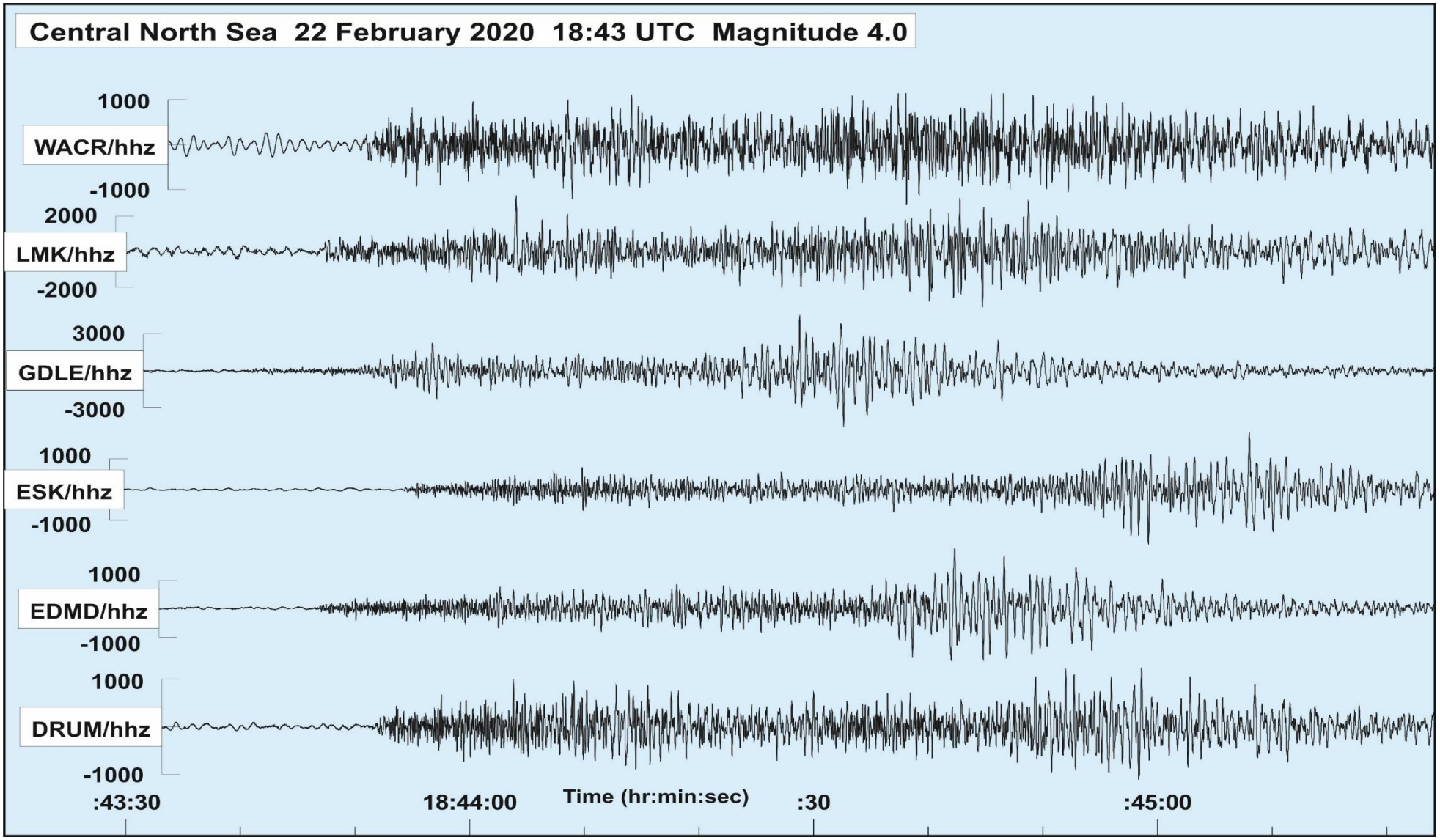

Figure 8. Seismograms of the ground displacements from the magnitude 4.0 ML Central North Sea earthquake, 22 February 2020, recorded by BGS seismograph stations.

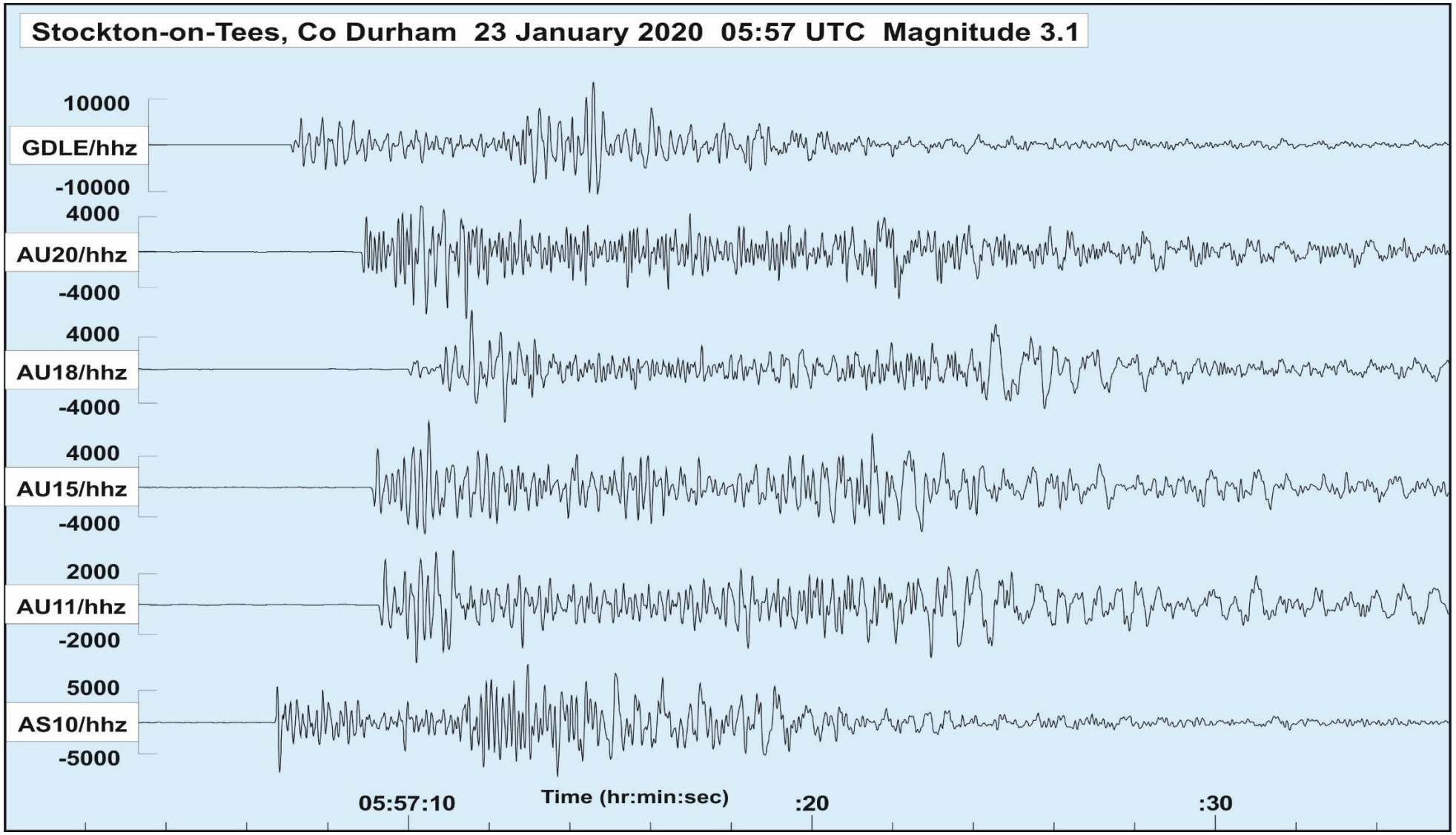

Figure 9. Seismograms of the ground displacements from the magnitude 3.1 ML Stockton-on-Tees, County Durham earthquake, 23 January 2020, recorded by BGS seismograph stations.

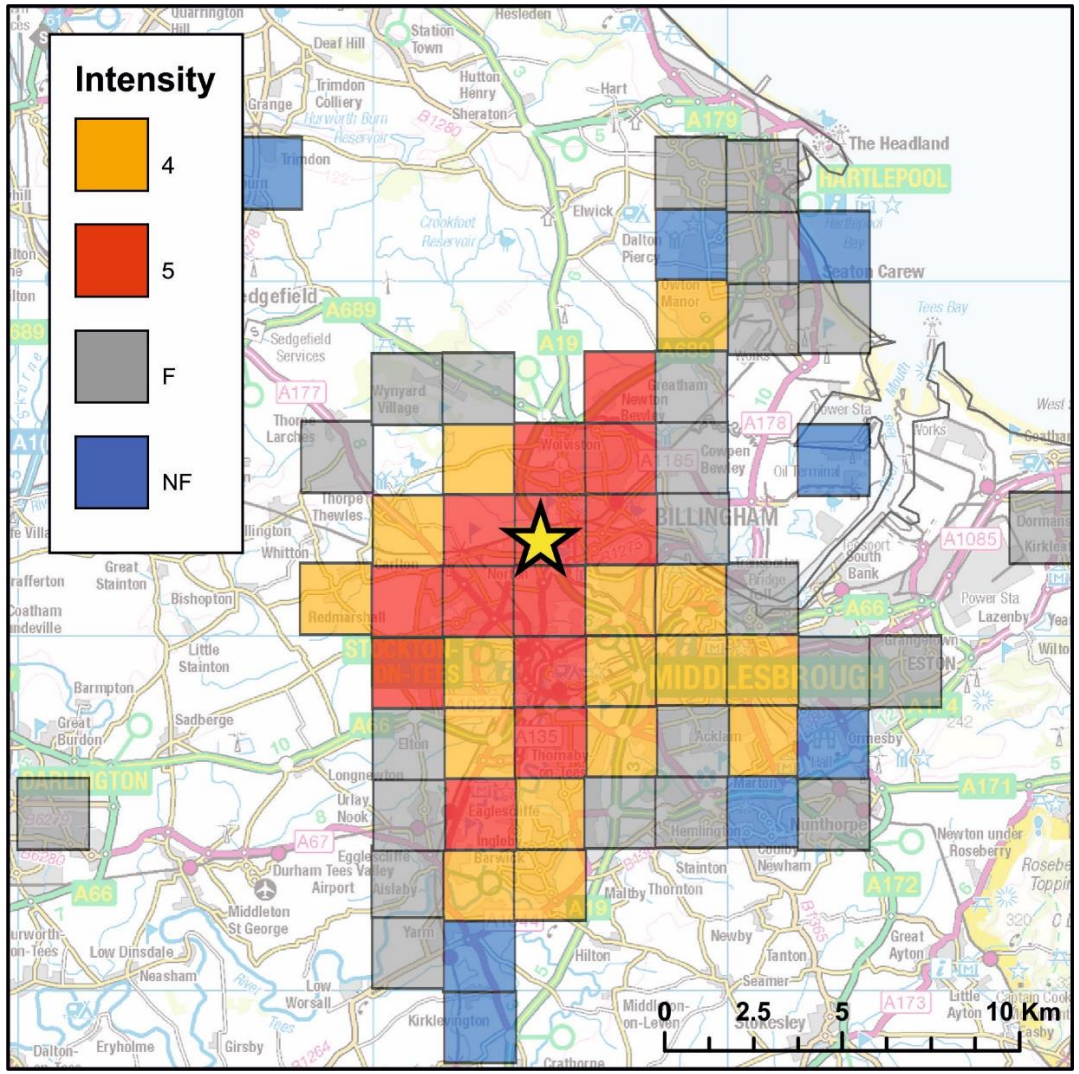

Figure 10. Macroseismic intensities for the magnitude 3.1 ML Stockton-on-Tees, County Durham earthquake on 23 January 2020. The yellow star shows the epicentre. Intensities are calculated in 2 km grid squares from over 840 reports from people who felt the earthquake. A minimum of five observations are 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'.

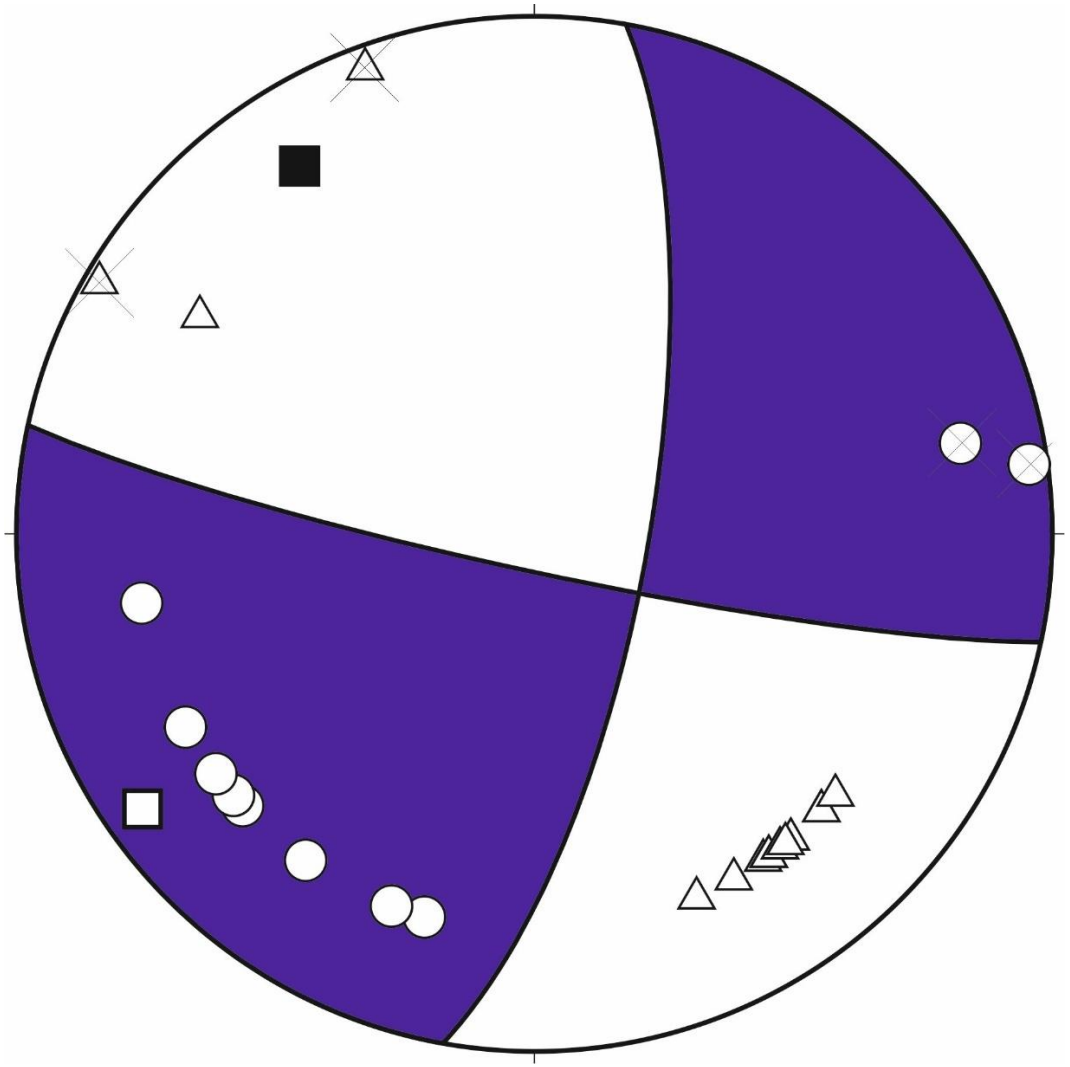

Figure 11. Lower hemisphere, equal projection of the focal mechanism for the Stockton-on-Tees, County Durham earthquake on 23 January 2020. The blue shaded areas show areas of compressional first motion. The white circles and triangles show measured compressional and dilatational first motions, respectively. Black crosses show SH/V amplitude ratios. The black and white squares show the orientations of the axes of maximum (P) and minimum (T) compression, respectively (Snoke et al,. 1984).

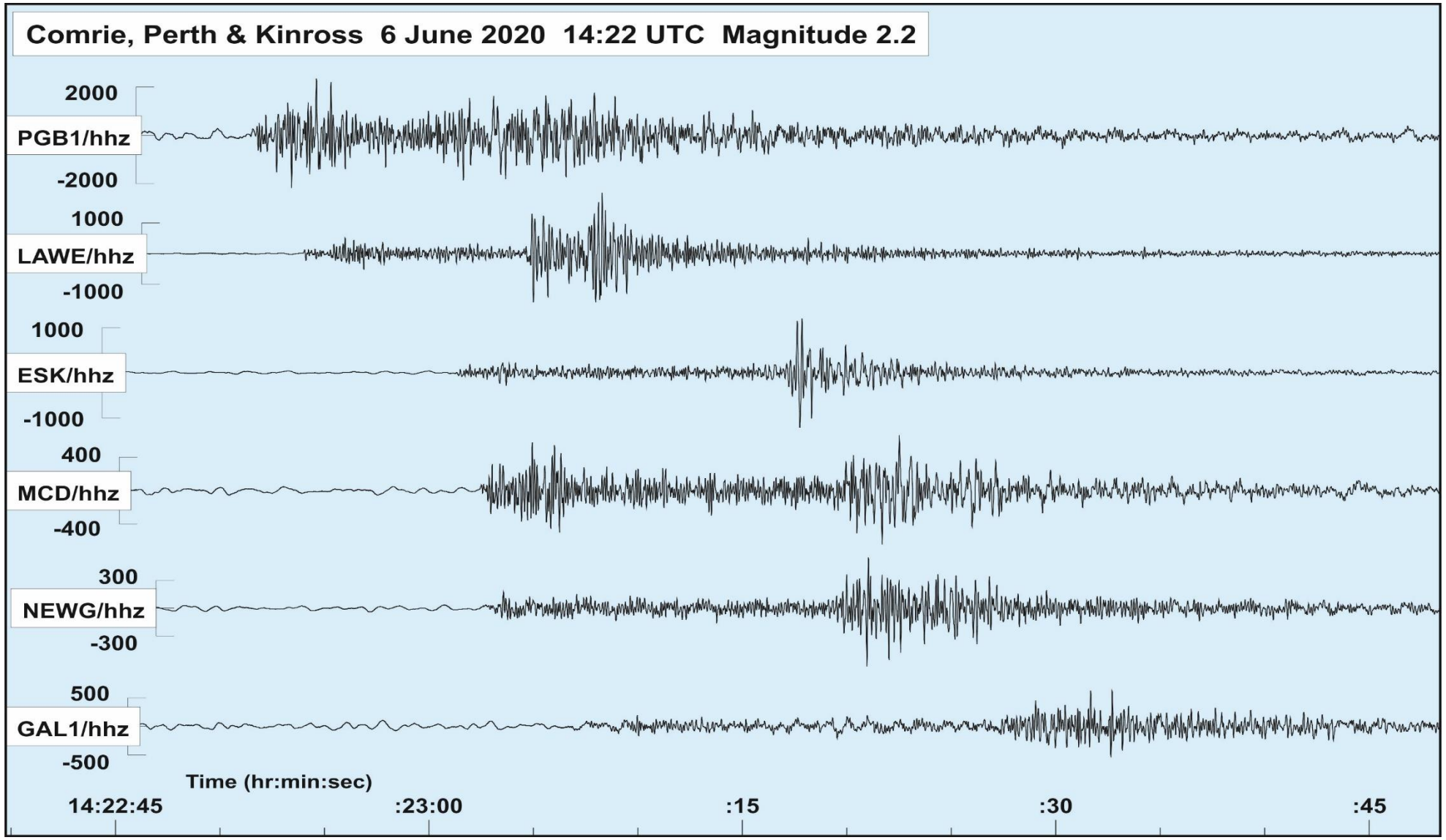

Figure 12. Seismograms of the ground displacements from the magnitude 2.2 ML Comrie, Perth & Kinross earthquake, 6 June 2020, recorded by BGS seismograph stations.

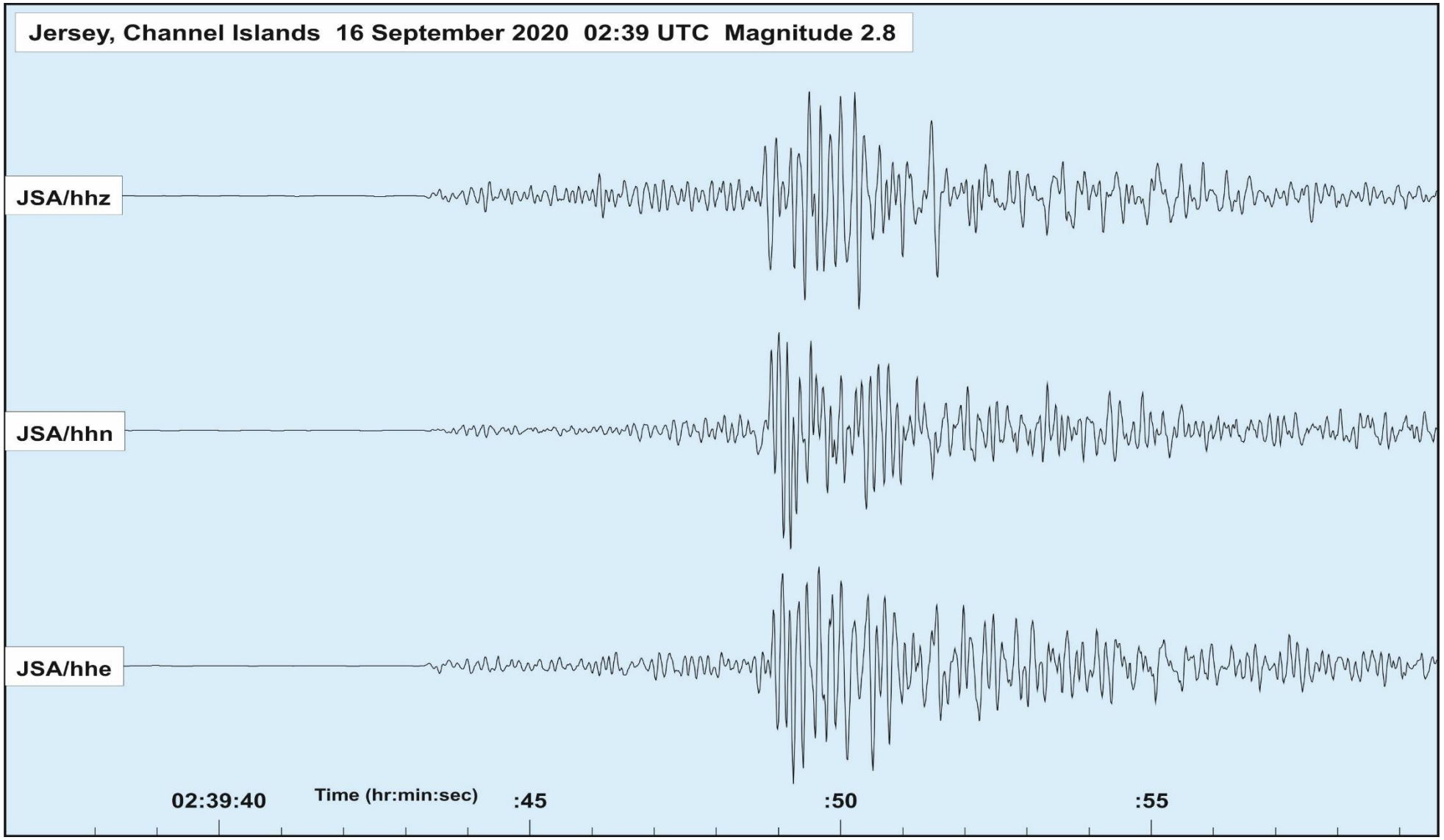

Figure 13. Seismograms of the ground displacements from the magnitude 2.8 ML Jersey, Channel Islands earthquake, 16 September 2020, recorded by BGS seismograph stations.

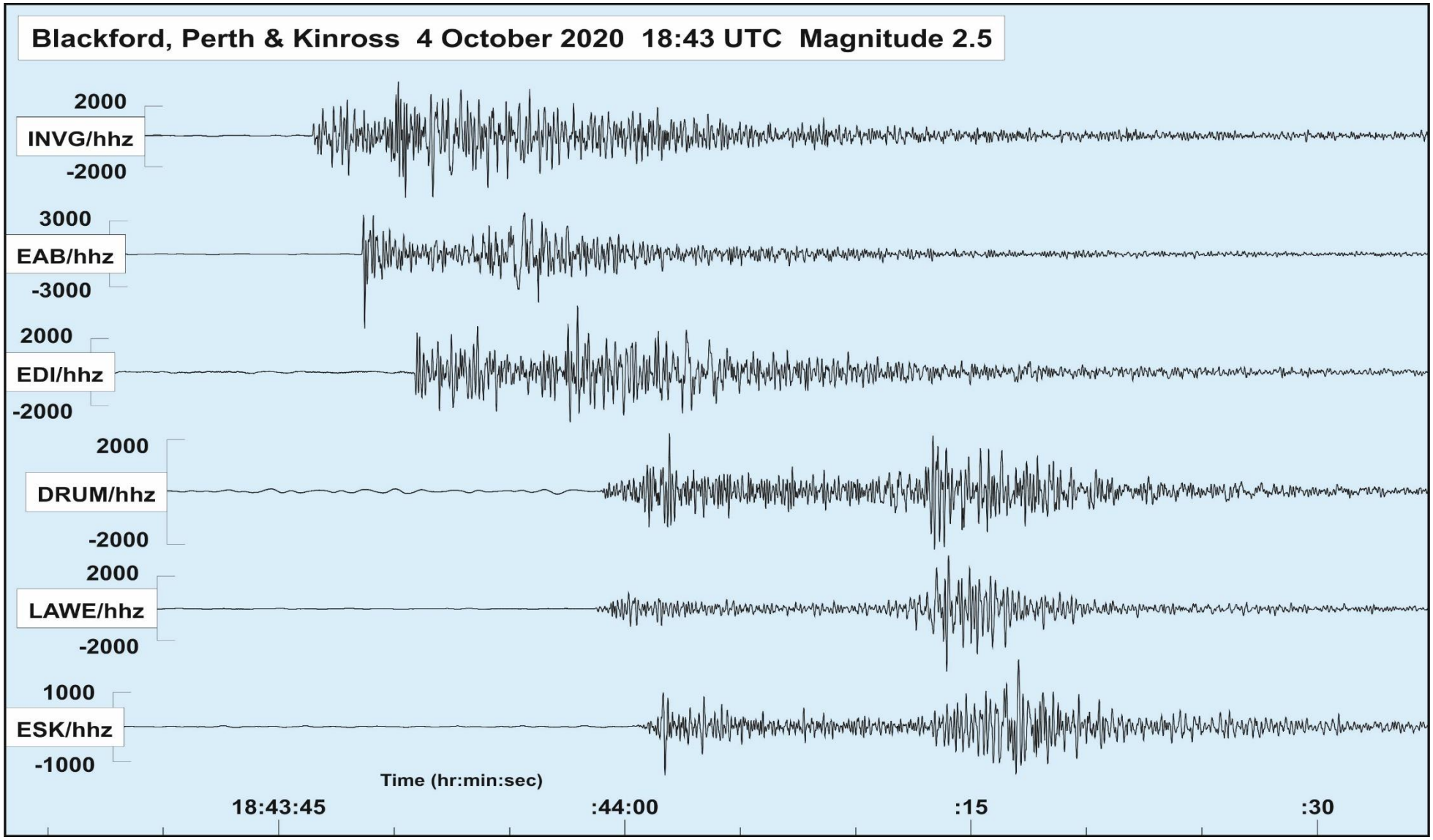

Figure 14. Seismograms of the ground displacements from the magnitude 2.5 ML Blackford, Perth & Kinross earthquake, 4 October 2020, recorded by BGS seismograph stations.

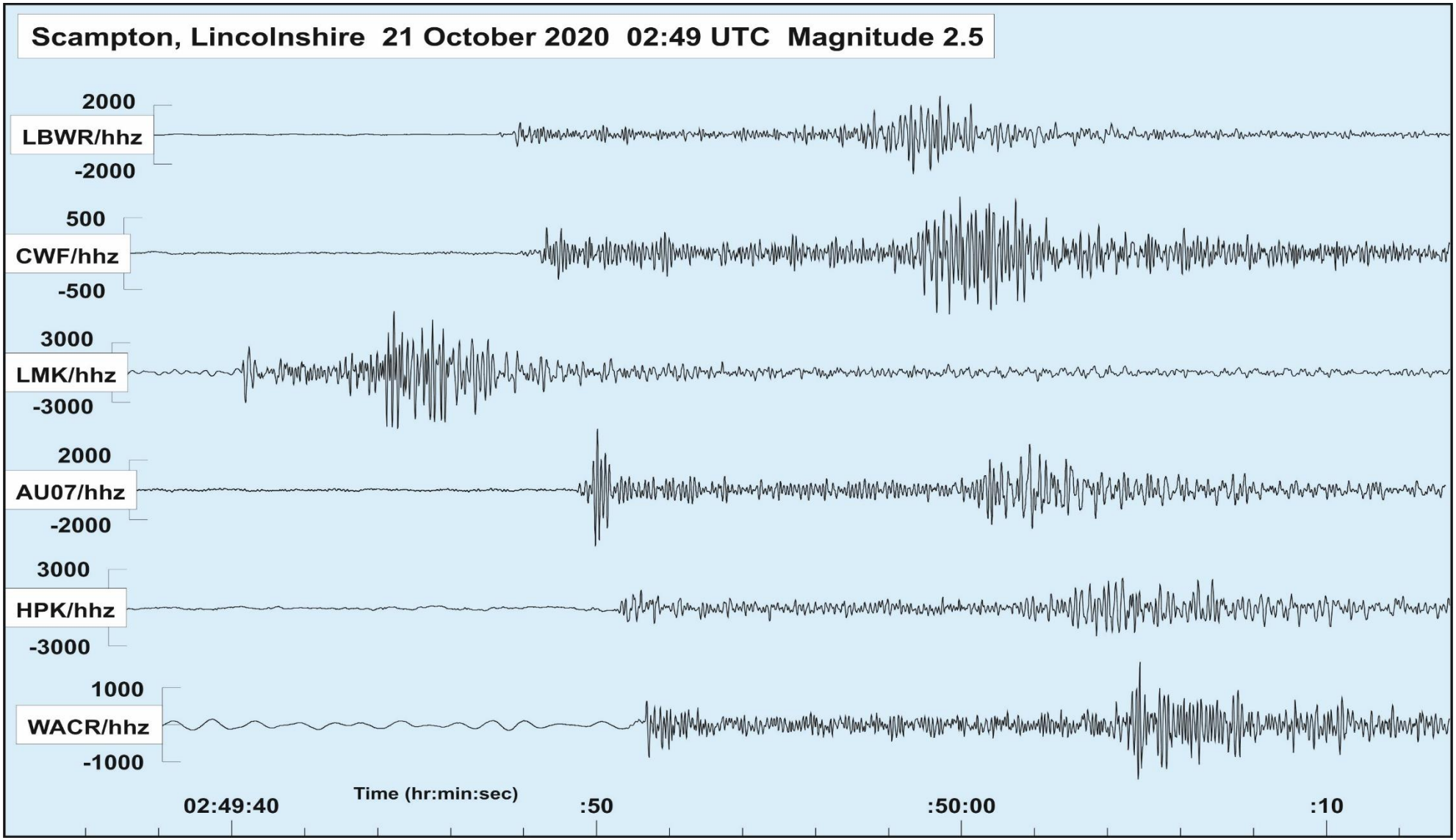

Figure 15. Seismograms of the ground displacements from the magnitude 2.5 ML Scampton, Lincolnshire earthquake, 21 October 2020, recorded by BGS seismograph stations.

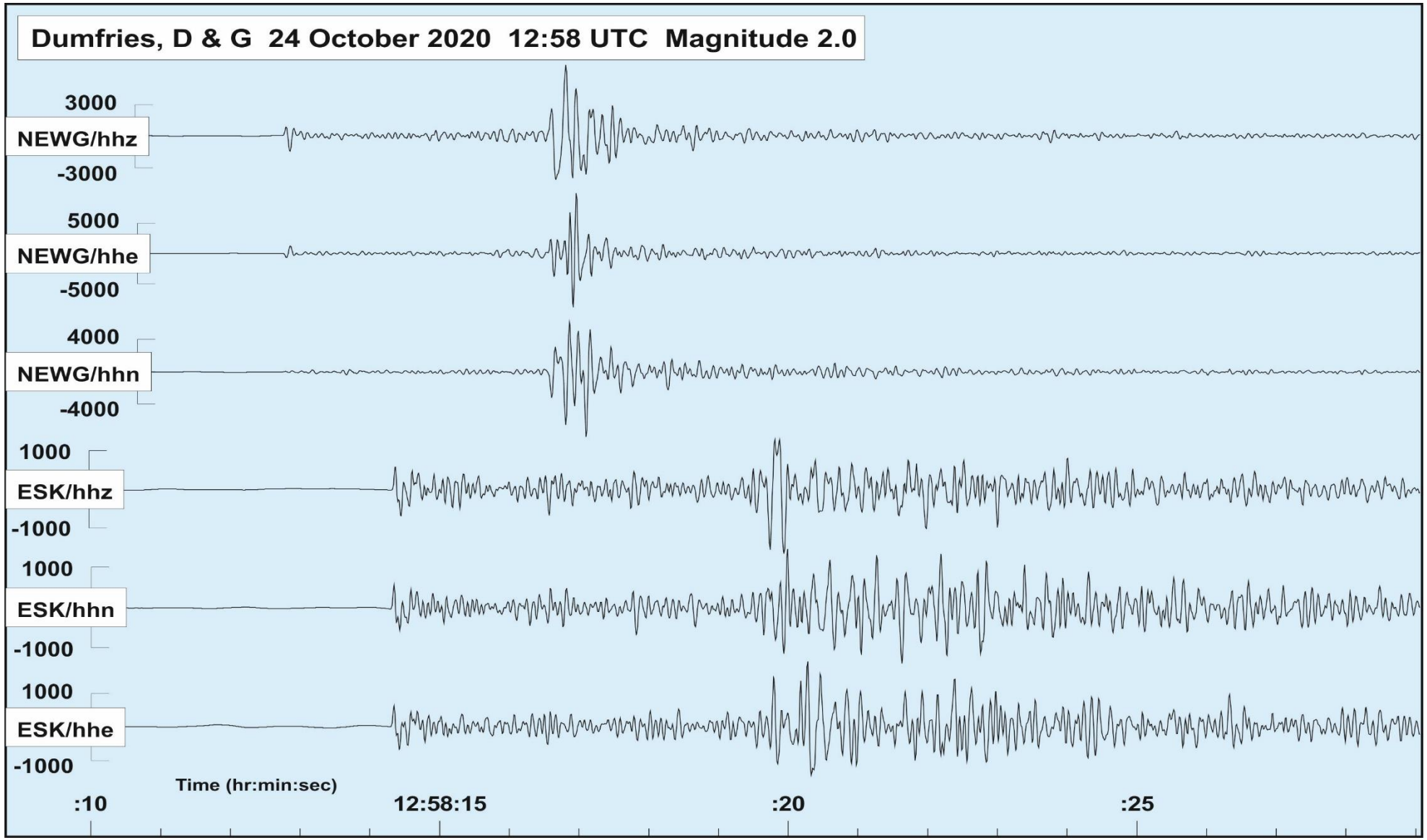

Figure 16. Seismograms of the ground displacements from the magnitude 2.0 ML Dumfries, Dumfries & Galloway earthquake, 24 October 2020, recorded by BGS seismograph stations.

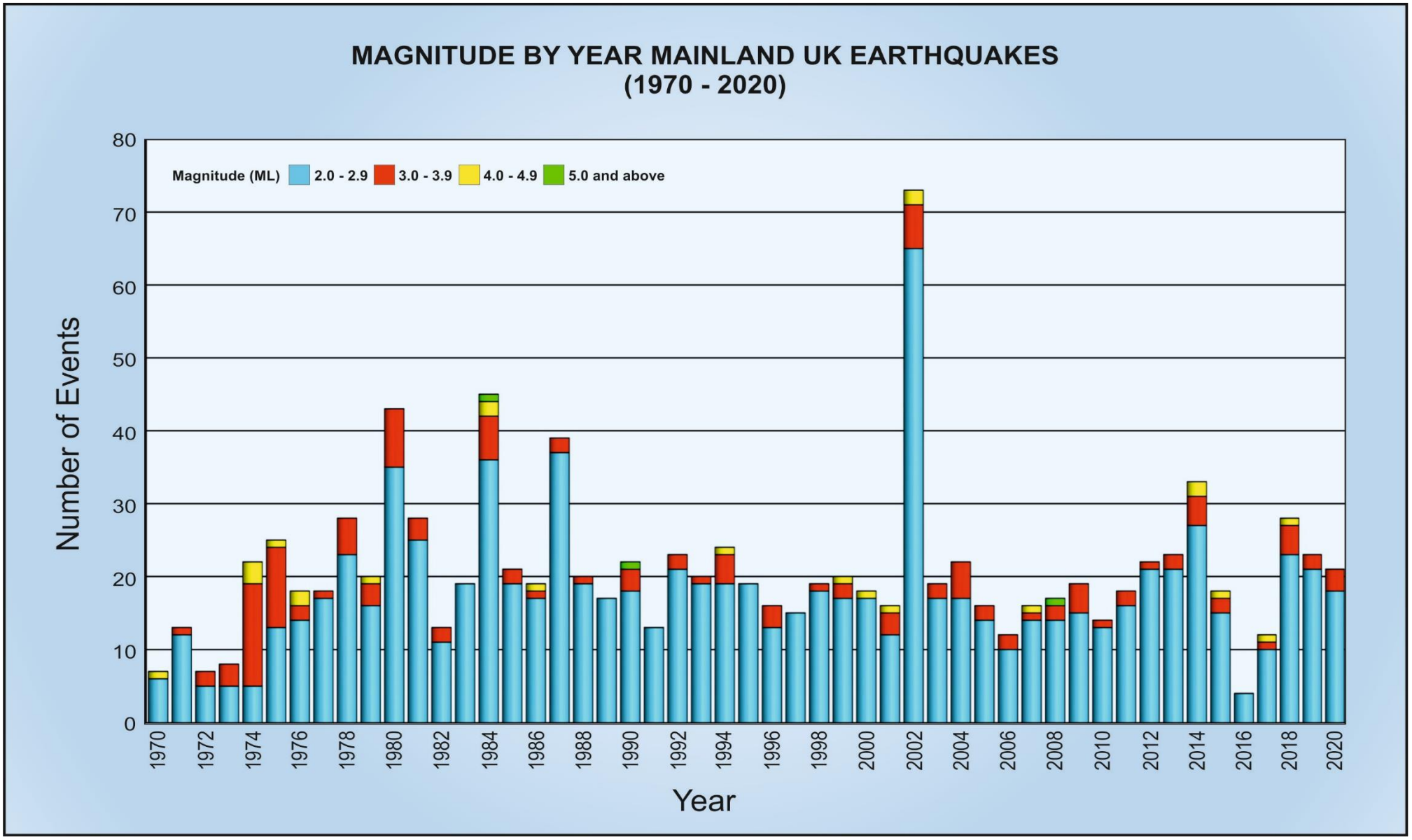

Figure 17. Histogram showing the number of mainland UK events, magnitude 2.0 ML or greater, detected 1970-2020.

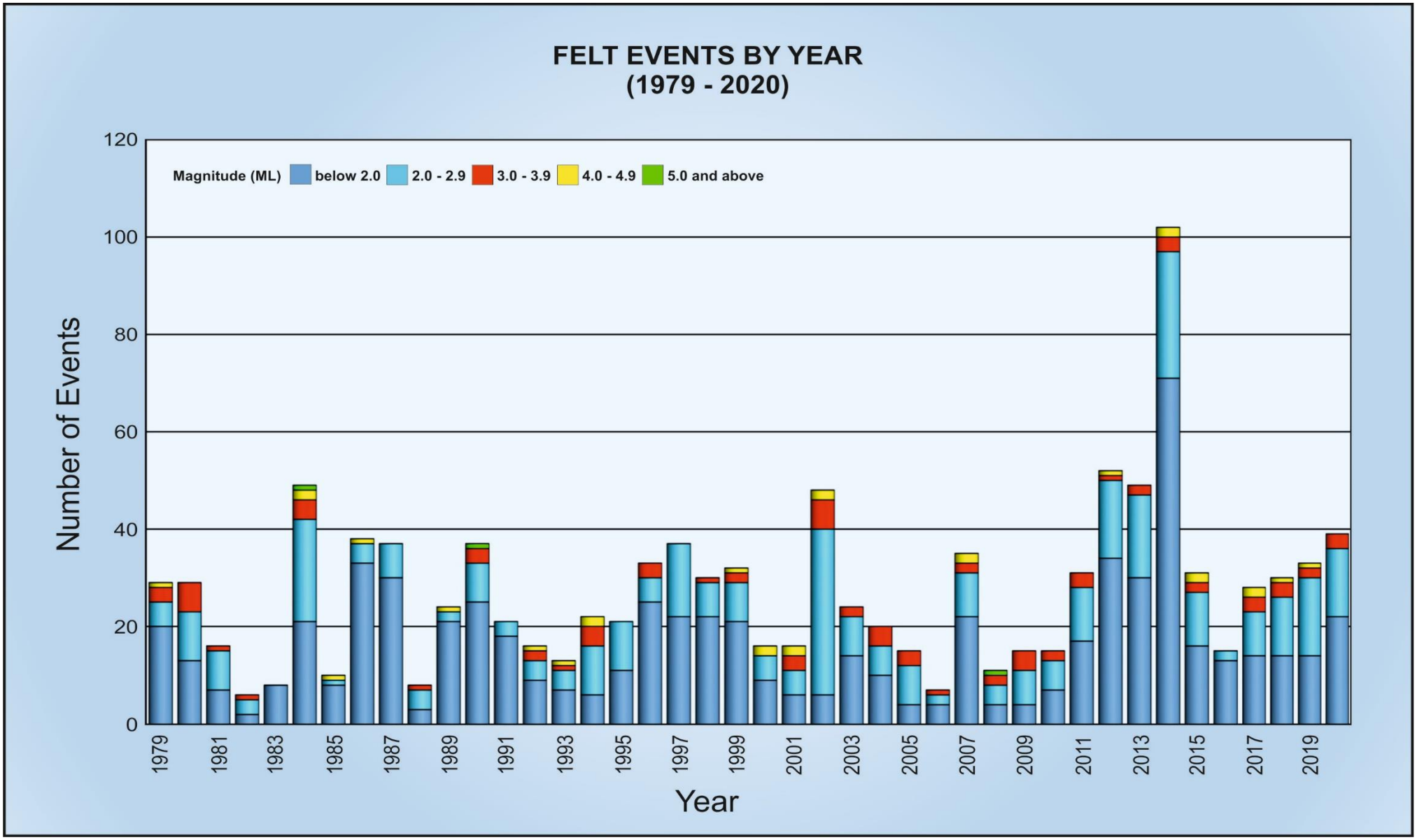

Figure 18. Histogram showing the number of felt events, 1979-2020.

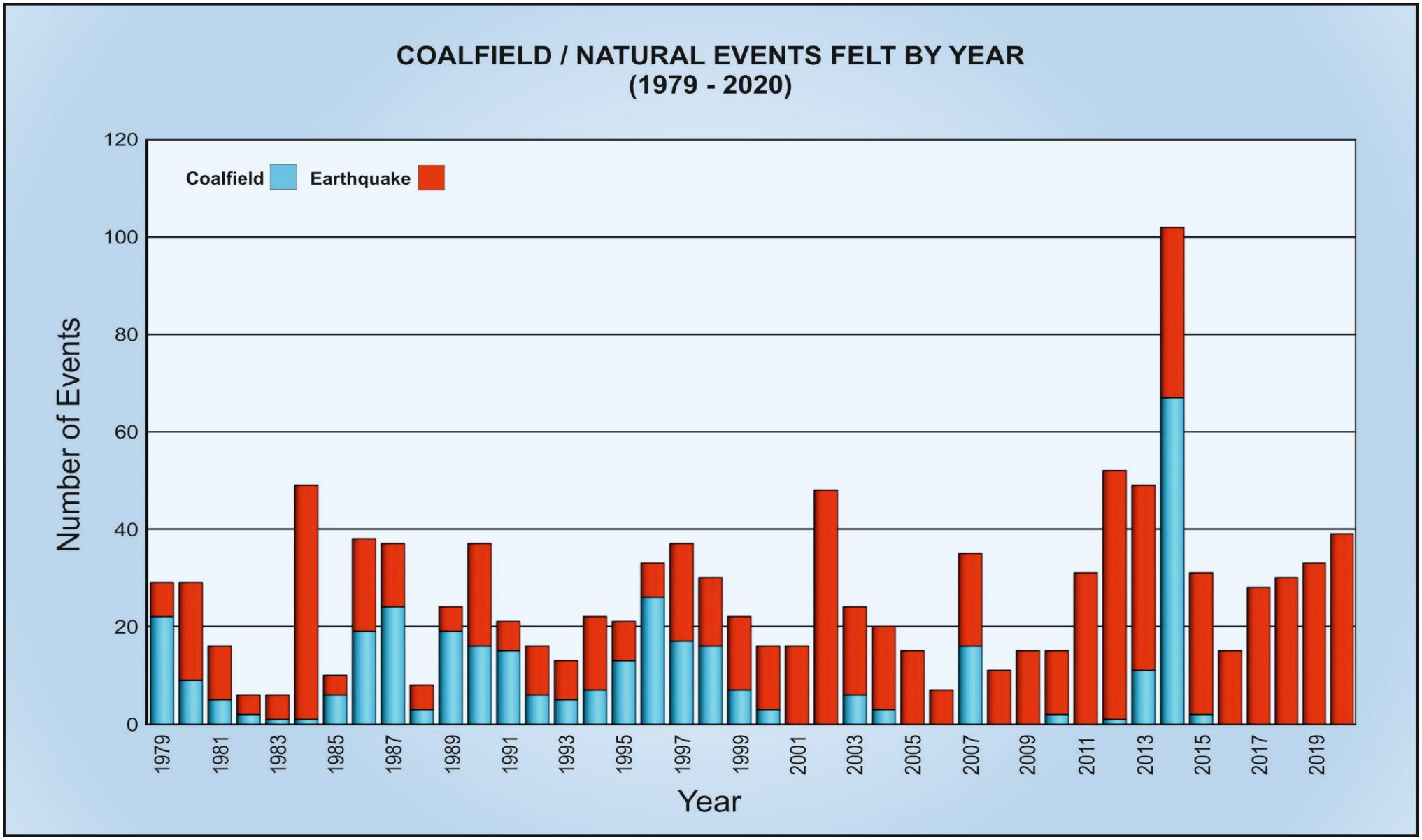

Figure 19. Histogram showing the split between the number of felt events in coalfield areas and those which are natural earthquakes, 1979-2020.

TABLE 1 : CATALOGUE OF EVENTS : 2020

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20200101	172835.5	51.60	-3.52	295.1	190.5	5.6	1.5	OGMORE VALE,BRIDGEND		9	131	0.40	3.40	9.50	
20200101	194343.7	52.09	-2.68	353.2	243.6	4.2	0.4	HEREFORD,HEREFORDSHIRE		5	145	0.10	2.64	5.50	
20200103	030919.6	49.91	-4.39	228.6	3.4	8.0	1.8	ENGLISH CHANNEL		11	182	0.20	9.56	2.40	55KM SSW PLYMOUTH
20200104	044014.5	52.99	-4.17	254.5	345.6	5.3	0.9	DOLBENMAEN,GWYNEDD		8	135	0.10	3.44	6.90	
20200104	091415.8	56.29	-3.71	293.9	712.2	2.6	0.9	BLACKFORD,PERTH/KINROSS		6	100	0.30	3.05	5.80	
20200104	215522.0	55.77	-6.33	128.3	661.9	6.3	0.8	ISLAY,ARGYLL & BUTE		3	237	0.00	1.92	3.20	
20200105	092640.9	49.03	-2.26	381.1	-96.6	5.0	0.8	JERSEY,CHANNEL ISLANDS		5	185	0.10	4.07	0.00	15KM SSW JERSEY
20200105	165755.7	51.60	-3.51	295.2	189.8	5.7	1.5	OGMORE VALE,BRIDGEND		10	132	0.40	2.90	7.80	
20200106	023508.7	51.60	-3.52	294.5	190.4	4.8	1.8	OGMORE VALE,BRIDGEND		10	131	0.40	3.41	9.30	
20200106	035623.0	51.12	-3.01	329.4	136.1	3.5	1.4	BRIDGWATER,SOMERSET		6	201	0.20	2.41	1.90	
20200107	103646.3	57.14	-5.48	189.4	811.0	6.4	2.3	ARNISDALE,HIGHLAND	2	7	147	0.30	5.06	3.70	FELT ARNISDALE
20200108	210032.9	52.12	-2.34	376.9	247.0	7.8	0.8	MALVERN,WORCESTERSHIRE		6	117	0.30	3.89	7.80	
20200111	171330.9	53.38	-4.41	239.9	390.3	16.0	0.9	BODEWRYD,ANGLESEY		3	153	0.00	0.98	0.60	
20200115	202748.0	54.35	-0.57	492.9	496.2	24.1	1.9	FYLINGDALES,N YORKSHIRE		11	229	0.10	3.27	1.50	
20200117	074543.0	56.13	-3.86	284.2	695.0	7.8	1.0	TULLIBODY,CLACKS		4	138	0.10	2.28	5.90	
20200121	115909.1	56.11	-4.02	274.4	692.3	7.7	1.1	CAMBUSBARRON,STIRLING		6	114	0.30	4.03	7.30	
20200122	172520.2	56.10	-4.01	274.7	691.6	7.8	0.6	CAMBUSBARRON,STIRLING		5	152	0.20	2.97	6.90	
20200123	055700.3	54.59	-1.31	444.3	522.3	4.6	3.1	STOCKTON,COUNTY DURHAM	5	42	178	0.10	1.49	1.40	FELT STOCKTON...
20200124	005920.1	56.93	-5.85	165.8	788.7	5.9	0.7	ARISAIG,HIGHLAND		5	177	0.40	0.87	4.30	
20200126	154822.2	56.93	-5.85	165.7	789.1	6.8	1.1	ARISAIG,HIGHLAND		5	177	0.30	7.38	9.60	
20200126	222719.5	55.24	-6.11	138.7	601.2	3.9	1.0	FAIR HEAD,CO ANTRIM		6	122	0.10	2.12	5.00	OFFSHORE LOCATION
20200129	072741.1	55.23	-6.10	139.5	600.4	4.9	1.1	FAIR HEAD,CO ANTRIM		6	121	0.10	2.72	3.60	OFFSHORE LOCATION
20200131	115333.8	52.27	-0.83	479.8	264.1	7.4	2.2	NORTHAMPTON,NORTHANTS	2	10	141	0.20	1.84	3.30	FELT KETTERING
20200201	011939.4	53.31	3.16	743.8	392.1	10.0	2.7	SOUTHERN NORTH SEA		5	307	0.50	8.65	0.00	130KM NE LOWESTOFT
20200201	012028.4	53.31	3.16	743.8	392.1	10.0	2.9	SOUTHERN NORTH SEA		5	307	0.50	8.65	0.00	130KM NE LOWESTOFT
20200203	003610.4	55.80	-6.36	127.0	664.6	7.5	1.7	ISLAY,ARGYLL & BUTE	3	8	151	0.40	5.68	1.40	FELT ISLAY
20200205	173835.1	52.85	-5.36	173.8	333.8	8.5	0.9	IRISH SEA		7	100	0.20	2.30	8.90	70KM SW HOLYHEAD
20200207	031137.4	56.12	-3.97	277.7	693.9	7.6	0.4	CAMBUSBARRON,STIRLING		7	72	0.20	2.10	5.40	
20200207	150452.4	53.34	2.52	701.1	391.7	10.0	2.4	SOUTHERN NORTH SEA		7	297	0.40	2.83	0.00	90KM NE CROMER
20200213	084413.7	56.46	-5.37	192.5	735.1	7.2	1.2	CONNEL,ARGYLL & BUTE	2	4	165	0.20	3.40	2.80	FELT BARCALDINE
20200213	191303.3	53.02	-5.56	161.2	352.6	10.4	1.0	IRISH SEA		5	230	0.10	3.89	4.40	65KM WSW HOLYHEAD
20200217	084105.0	56.97	-5.56	183.8	791.8	7.3	0.9	LOCH NEVIS,HIGHLAND		4	179	0.20	5.95	8.90	
20200219	212719.3	55.77	-6.26	132.6	660.7	7.9	0.8	ISLAY,ARGYLL & BUTE		4	146	0.10	2.19	3.40	
20200220	032741.5	53.52	-1.14	457.3	402.4	6.6	1.4	DONCASTER,S YORKSHIRE		14	155	0.20	1.92	4.80	
20200220	132231.1	55.80	-6.40	124.4	664.8	7.4	1.0	ISLAY,ARGYLL & BUTE		3	243	0.30	4.37	9.90	
20200220	135057.0	55.82	-6.35	127.6	666.6	7.1	1.6	ISLAY,ARGYLL & BUTE		7	152	0.50	6.40	0.40	
20200222	184302.2	55.68	3.00	714.4	654.2	11.3	4.0	CENTRAL NORTH SEA		27	249	0.40	1.09	6.90	270KM NE SCARBOROUGH
20200303	203354.2	52.83	-1.17	455.7	326.6	6.5	1.1	EAST LEAKE,NOTTS		7	234	0.20	5.51	1.70	
20200312	232535.7	53.54	-2.28	381.2	404.5	13.4	1.3	PRESTWICH,GTR MAN		7	171	0.10	0.99	1.90	
20200312	232620.8	53.54	-2.28	381.4	404.8	12.9	1.6	PRESTWICH,GTR MAN		9	108	0.10	1.14	2.40	
20200314	041910.5	52.14	-2.33	377.1	248.8	5.4	1.7	MALVERN,WORCESTERSHIRE		12	94	0.30	2.51	4.30	
20200315	051149.2	60.24	1.95	618.8	1156.9	10.6	2.0	NORTHERN NORTH SEA		6	139	0.30	6.70	7.00	170KM EAST LERWICK

TABLE 1 : CATALOGUE OF EVENTS : 2020

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20200316	220100.9	56.75	-5.87	163.4	768.6	7.2	1.5	KENTRA,HIGHLAND	3	5	220	0.40	2.12	3.40	FELT ACHARACLE...
20200317	014210.4	54.21	-2.94	338.7	479.9	4.8	0.4	CARTMEL,CUMBRIA		3	272	0.20	7.46	5.70	
20200322	031009.2	54.21	-2.95	338.2	480.2	5.1	0.1	CARTMEL,CUMBRIA		5	170	0.20	2.56	3.00	
20200324	005844.8	53.02	-2.92	338.2	347.3	7.2	0.6	MARCHWEIL,WREXHAM		7	134	0.40	3.76	2.40	5KM SE WREXHAM
20200324	170132.6	51.99	-2.86	340.8	232.7	15.2	0.5	PONTRILAS,HEREFORDSHIRE		5	117	0.10	1.97	1.60	5KM NORTH PONTRILAS
20200324	171920.1	51.98	-2.89	339.2	232.3	16.1	2.3	PONTRILAS,HEREFORDSHIRE		15	80	0.20	2.64	1.70	4KM NORTH PONTRILAS
20200327	032527.7	53.35	4.00	799.3	400.1	10.0	2.8	SOUTHERN NORTH SEA		18	282	0.50	3.63	0.00	175KM NE LOWESTOFT
20200327	054010.1	55.79	-6.39	124.8	664.0	7.4	0.8	ISLAY,ARGYLL & BUTE		5	207	0.30	9.88	5.00	
20200327	112702.6	54.53	-2.67	356.8	515.0	12.6	0.4	SHAP,CUMBRIA		4	156	0.20	3.26	3.90	
20200328	160946.1	50.86	-2.94	333.9	106.9	9.1	1.3	CHARD,SOMERSET		5	209	0.20	8.63	6.00	
20200401	061921.2	54.19	-2.97	337.0	478.0	6.5	0.3	CARTMEL,CUMBRIA		5	180	0.30	3.83	0.00	
20200404	152817.1	52.01	-1.13	460.0	235.4	4.6	2.2	BRACKLEY,NORTHANTS		15	84	0.40	3.41	7.30	
20200406	025107.3	54.21	-2.97	336.5	479.4	7.5	0.8	CARTMEL,CUMBRIA		8	149	0.20	2.14	5.50	
20200406	212717.2	56.29	-6.26	136.7	718.9	8.3	1.4	MULL,ARGYLL & BUTE	2	9	167	0.30	5.50	6.40	FELT MULL
20200409	005700.1	51.67	-3.20	317.0	197.4	3.3	0.7	BLACKWOOD,CAERPHILLY		4	207	0.10	1.92	2.40	
20200411	114129.2	55.25	-3.50	304.8	596.0	2.4	0.3	ST ANN'S,D & G		6	94	0.50	8.21	3.40	
20200411	145531.5	51.95	-3.51	296.5	229.1	14.9	0.7	SENNYBRIDGE,POWYS		9	109	0.30	2.77	2.40	
20200411	175353.2	53.39	-4.43	238.1	390.8	12.6	0.2	LLANFECHELL,ANGLESEY		4	188	0.10	4.22	1.00	
20200412	053014.2	55.23	-3.51	304.2	594.2	2.5	0.8	ST ANN'S,D & G		6	107	0.50	8.14	8.70	
20200412	075256.4	55.24	-3.52	303.4	594.8	2.5	0.8	ST ANN'S,D & G		8	82	0.40	3.44	4.20	
20200412	135312.3	53.94	-3.69	288.8	450.3	7.8	0.9	IRISH SEA		8	89	0.40	3.64	2.90	42KM WEST FLEETWOOD
20200412	144244.0	52.27	0.47	568.4	266.0	7.4	0.7	NEWMARKET,SUFFOLK		3	176	0.10	0.86	1.80	
20200414	180103.1	57.76	-3.69	299.5	875.9	2.6	0.7	MORAY FIRTH		5	136	0.20	3.13	4.40	12KM EAST BALINTORE
20200415	040741.3	52.27	0.44	566.5	266.9	4.7	0.4	NEWMARKET,SUFFOLK		3	176	0.10	2.16	5.00	
20200415	160422.8	55.09	-4.18	261.0	579.7	9.3	0.6	DALRY,D & G		8	72	0.30	3.50	2.60	
20200416	061137.4	57.64	-5.59	185.6	866.9	2.6	0.7	TALLADALE,HIGHLAND		4	196	0.40	1.59	3.30	6KM SW TALLADALE
20200416	120750.5	57.65	-5.64	183.0	867.7	2.4	1.6	SHIELDAIG,HIGHLAND		6	203	0.50	4.44	5.70	5KM SSE SHIELDAIG
20200417	130135.5	53.05	-2.14	390.7	349.9	2.5	1.7	BAGNALL,STAFFORDSHIRE		12	86	0.30	1.94	2.10	
20200417	171138.5	55.27	-3.54	302.5	598.7	2.4	0.5	BEATTOCK,D & G		6	188	0.30	3.66	0.00	
20200419	174541.4	54.23	-3.79	283.0	483.6	7.7	0.2	IRISH SEA		7	197	0.30	3.72	7.60	
20200420	011927.2	55.23	-3.52	303.5	594.4	2.5	0.3	ST ANN'S,D & G		8	63	0.50	4.62	5.50	
20200422	225932.8	56.63	-5.20	203.6	753.6	10.7	0.6	DUROR,HIGHLAND		5	145	0.40	6.63	0.20	
20200423	053049.8	53.03	2.16	679.0	356.1	10.0	3.3	SOUTHERN NORTH SEA		23	232	0.50	9.80	0.00	65KM NNE LOWESTOFT
20200425	041152.6	53.96	-3.31	314.1	452.0	2.5	0.8	IRISH SEA		13	70	0.50	4.29	4.90	18KM WNW FLEETWOOD
20200426	063752.5	55.65	-5.85	157.9	645.9	6.9	0.6	GIGHA,ARGYLL & BUTE		5	187	0.50	6.61	5.50	OFFSHORE LOCATION
20200427	170203.9	52.93	-4.36	241.1	339.7	10.7	0.7	LLANARMON,GWYNEDD		4	189	0.10	1.25	1.20	
20200429	001125.6	51.17	-0.26	521.9	142.9	3.1	-0.3	NEWDIGATE,SURREY		5	143	0.00	0.45	0.40	
20200501	035259.9	56.41	-5.76	168.0	730.8	2.7	1.4	MULL,ARGYLL & BUTE	3	9	147	0.30	5.59	5.40	FELT MULL...
20200505	043526.2	51.67	-3.22	315.7	197.1	3.9	1.3	BLACKWOOD,CAERPHILLY		4	207	0.10	1.80	2.00	
20200506	051216.0	52.36	-3.14	322.6	273.9	8.5	1.5	KNIGHTON,POWYS		7	90	0.20	3.28	6.00	
20200508	222519.8	57.78	-5.63	184.0	882.4	7.5	0.7	POOLEWE,HIGHLAND		5	211	0.30	1.72	1.20	
20200509	191743.7	51.15	-3.09	323.7	139.6	7.8	1.4	CANNINGTON,SOMERSET		8	152	0.20	4.02	5.80	

TABLE 1 : CATALOGUE OF EVENTS : 2020

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20200510	035518.5	53.20	0.52	568.5	370.0	9.3	0.9	SOUTHERN NORTH SEA		4	228	0.10	4.25	3.30	14KM NE SKEGNESS
20200513	092406.4	51.67	-3.22	315.4	197.1	3.6	1.1	BLACKWOOD,CAERPHILLY		4	207	0.10	1.72	1.90	
20200513	121110.2	55.94	-4.32	255.3	673.7	7.7	1.3	MILNGAVIE,E DUNB'SHIRE		8	117	0.20	2.75	3.10	
20200514	035254.7	54.16	-4.10	262.6	476.3	9.1	0.5	IRISH SEA		9	106	0.30	2.39	0.50	20KM ESE LAXEY,IOM
20200514	095910.5	56.37	-5.46	186.6	724.5	4.5	0.9	KILBRIDE,ARGYLL & BUTE		4	191	0.10	5.77	6.70	
20200514	212128.0	54.23	-2.80	348.1	482.3	2.9	0.4	MILNTHORPE,CUMBRIA		4	193	0.20	2.48	5.90	
20200514	225302.7	56.38	-5.74	169.3	727.3	11.7	1.8	MULL,ARGYLL & BUTE	3	12	173	0.30	4.48	3.70	FELT MULL...
20200514	235555.4	51.76	-3.92	267.3	208.3	10.1	1.0	GARNSWLLT,SWANSEA		9	92	0.30	2.62	4.40	5KM EAST GARNSWLLT
20200515	013203.3	55.09	-0.51	495.3	578.2	8.9	1.6	CENTRAL NORTH SEA		13	286	0.50	8.34	0.00	60KM ENE SUNDERLAND
20200515	180134.3	56.08	-5.14	204.3	691.6	11.3	0.6	DUNANS,ARGYLL & BUTE		5	171	0.10	2.00	4.80	
20200523	125059.0	56.43	-5.61	177.7	732.2	2.5	1.1	MULL,ARGYLL & BUTE		5	212	0.10	3.53	4.50	
20200524	151656.9	51.16	-0.25	522.4	141.3	2.4	0.6	NEWDIGATE,SURREY		4	176	0.00	0.45	0.50	
20200524	173620.9	51.90	-0.94	473.1	222.5	8.8	1.6	QUAINTON,BUCKS		9	138	0.30	3.02	5.50	
20200527	090425.0	56.28	-3.72	293.3	711.6	2.5	0.7	BLACKFORD,PERTH/KINROSS		7	98	0.30	3.36	3.40	
20200529	171905.4	52.88	-2.14	390.4	331.2	10.6	0.8	STONE,STAFFORDSHIRE		6	106	0.20	2.34	6.00	
20200531	211539.9	53.15	-1.71	419.6	361.2	7.0	0.7	GRATTON,DERBYSHIRE		7	109	0.30	3.61	1.60	
20200602	055119.9	55.67	-4.82	222.4	645.1	7.7	0.8	ARDROSSAN,AYRSHIRE		7	100	0.20	3.54	7.70	
20200603	183806.4	55.66	-4.81	223.1	644.4	7.7	1.4	ARDROSSAN,AYRSHIRE		11	99	0.30	3.01	0.40	
20200604	002721.9	55.66	-4.81	223.3	644.9	7.7	1.1	ARDROSSAN,AYRSHIRE		11	99	0.20	2.34	0.20	
20200604	124816.0	52.56	-1.90	406.6	296.1	7.9	2.1	WALSALL,WEST MIDLANDS	3	9	128	0.30	3.54	5.20	FELT WALSALL...
20200604	173122.0	55.67	-4.79	224.6	645.0	7.4	0.8	ARDROSSAN,AYRSHIRE		7	98	0.30	4.68	4.20	
20200604	190552.4	55.67	-4.79	224.8	645.9	8.2	0.5	ARDROSSAN,AYRSHIRE		6	153	0.40	7.60	3.00	
20200606	141936.0	53.64	-4.92	206.6	419.5	5.6	1.0	IRISH SEA		7	109	0.40	3.28	8.80	35KM NW ANGLESEY
20200606	142239.2	56.39	-4.01	276.1	723.8	2.8	2.2	COMRIE,PERTH & KINROSS	4	9	117	0.20	2.64	2.90	FELT COMRIE...
20200607	040232.0	52.57	-0.88	476.2	297.3	8.0	1.0	GOADBY,LEICESTERSHIRE		5	189	0.50	8.96	0.40	
20200607	115236.3	55.57	-2.98	338.4	631.1	5.3	0.7	YARROWFORD,BORDERS		6	215	0.20	4.30	8.50	
20200608	191554.9	51.58	-3.47	297.9	187.9	11.1	0.8	HENDREFORGAN,RHONDDA CT		6	137	0.20	2.88	4.40	
20200611	061343.4	51.81	-2.46	368.6	212.2	7.3	1.0	NEWNHAM,GLOUCESTERSHIRE		5	179	0.10	1.77	1.80	
20200611	102743.8	55.67	-4.80	223.7	645.2	7.7	1.2	ARDROSSAN,AYRSHIRE		9	98	0.30	3.70	6.90	
20200613	124704.5	55.66	-4.82	222.5	644.6	8.1	1.2	ARDROSSAN,AYRSHIRE		9	100	0.30	3.09	4.30	
20200616	021311.8	53.05	-2.13	391.4	350.1	3.2	0.9	STOKE-ON-TRENT,STAFFS		8	87	0.20	1.79	1.30	
20200617	055429.5	51.55	-2.94	334.9	183.5	20.7	0.8	GOLDCLIFF,NEWPORT		6	146	0.20	3.98	4.50	
20200626	004019.1	53.72	-2.43	371.4	425.0	8.4	1.3	BELTHORN,LANCASHIRE		9	94	0.20	2.08	2.30	
20200626	061107.8	51.55	-2.92	336.1	183.8	22.0	1.1	GOLDCLIFF,NEWPORT		7	146	0.20	3.69	4.60	
20200701	042121.1	56.21	-6.04	149.8	709.7	10.9	1.7	MULL,ARGYLL & BUTE		10	154	0.30	6.26	5.80	OFFSHORE LOCATION
20200701	143651.0	52.31	-1.79	414.2	267.6	7.7	1.2	HENLEY,WARWICKSHIRE		8	169	0.20	2.73	6.10	
20200701	163740.7	55.63	-2.19	387.9	637.7	4.3	0.9	BRANXTON,NORTHUMBERLAND		7	222	0.30	6.13	5.80	
20200703	183745.7	54.69	-3.20	322.4	533.2	8.4	0.4	BASSENTHWAITE,CUMBRIA		7	78	0.20	2.51	6.00	
20200704	133730.1	55.92	-4.35	253.2	672.7	3.9	1.2	BEARSDEN,E DUNB'SHIRE		8	87	0.40	4.27	6.30	
20200707	193912.8	55.58	-2.97	338.7	632.5	4.5	0.8	YARROWFORD,BORDERS		7	204	0.20	5.36	3.80	
20200708	024151.8	55.60	-2.17	389.2	633.6	4.0	0.7	HOWTEL,NORTHUMBERLAND		7	222	0.40	8.95	7.00	
20200708	204001.8	55.59	-2.95	339.9	633.2	3.8	1.0	YARROWFORD,BORDERS		7	226	0.30	2.44	8.10	

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YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20200710	143612.0	51.58	-3.05	327.0	186.8	20.3	1.6	ROGERSTONE,NEWPORT		7	137	0.30	4.28	5.90	
20200710	162249.2	52.51	-1.52	432.3	290.3	9.3	2.0	NUNEATON,WARWICKSHIRE		10	179	0.30	3.27	4.90	
20200718	015805.7	54.86	-1.45	435.3	551.7	13.8	1.2	NEWBOTTLE,TYNE & WEAR		12	205	0.20	5.45	3.60	
20200718	065156.6	53.33	-4.50	233.2	384.9	11.4	0.8	ANGLESEY,GWYNEDD		6	121	0.30	6.53	3.30	
20200719	204044.7	56.64	-5.66	175.5	755.9	8.6	0.9	STRONTIAN,HIGHLAND		5	201	0.20	3.61	7.80	8KM SW STRONTIAN
20200721	020510.1	54.64	-2.66	357.7	527.5	12.2	0.1	PENRITH,CUMBRIA		5	131	0.20	3.47	0.00	
20200724	063820.7	53.19	-2.56	362.9	365.6	7.7	0.8	WINSFORD,CHESHIRE		8	131	0.20	3.09	8.50	
20200727	040530.6	56.20	-4.94	217.8	704.8	8.6	0.1	LOCH GOIL,ARGYLL/BUTE		4	142	0.30	9.16	4.90	
20200729	231556.4	60.90	4.06	728.3	1239.5	10.0	3.1	NORTHERN NORTH SEA		8	315	0.30	2.28	0.20	300KM ENE LERWICK
20200730	020013.6	56.20	-4.94	217.8	704.3	8.7	0.5	LOCH GOIL,ARGYLL/BUTE		3	193	0.40	1.67	1.00	
20200730	032425.8	56.39	-6.15	143.9	729.7	7.2	0.8	MULL,ARGYLL & BUTE		5	197	0.40	9.75	2.90	
20200730	050033.1	56.19	-4.94	217.8	703.6	8.5	0.2	LOCH GOIL,ARGYLL/BUTE		3	196	0.40	8.86	0.00	
20200731	112923.5	56.18	-4.94	217.5	702.1	8.4	1.3	LOCH GOIL,ARGYLL/BUTE		8	81	0.50	4.86	8.50	
20200731	113708.3	56.21	-4.95	217.1	705.4	7.4	0.5	LOCH GOIL,ARGYLL/BUTE		3	190	0.30	9.39	7.60	
20200801	111810.2	56.26	-5.30	195.7	712.4	4.4	0.7	DALAVICH,ARGYLL & BUTE		3	173	0.20	1.00	1.00	
20200802	142150.0	50.22	-5.17	173.6	40.8	4.6	-0.9	CARHARRACK,CORNWALL		6	128	0.00	0.95	0.50	GEOTHERMAL
20200802	142640.0	50.22	-5.17	173.7	40.9	4.7	-0.4	CARHARRACK,CORNWALL		7	83	0.00	0.45	0.40	GEOTHERMAL
20200802	143333.6	50.23	-5.17	174.0	41.1	4.5	-0.6	CARHARRACK,CORNWALL		6	119	0.00	0.89	0.60	GEOTHERMAL
20200802	144535.5	50.22	-5.17	173.8	40.8	4.7	-0.5	CARHARRACK,CORNWALL		7	86	0.00	0.45	0.30	GEOTHERMAL
20200802	144549.0	50.22	-5.17	173.9	40.9	4.5	-0.9	CARHARRACK,CORNWALL		5	174	0.00	0.22	0.20	GEOTHERMAL
20200802	144906.0	50.22	-5.17	173.8	40.9	4.6	-0.9	CARHARRACK,CORNWALL		6	121	0.00	0.36	0.30	GEOTHERMAL
20200802	144948.9	50.22	-5.17	173.7	40.9	4.7	0.2	CARHARRACK,CORNWALL		8	84	0.00	0.36	0.30	GEOTHERMAL
20200802	145134.4	50.23	-5.17	173.9	41.0	4.6	-1.0	CARHARRACK,CORNWALL		4	175	0.00	0.41	0.30	GEOTHERMAL
20200802	145137.9	50.22	-5.17	173.8	40.9	4.6	-0.5	CARHARRACK,CORNWALL		6	129	0.00	0.45	0.30	GEOTHERMAL
20200802	145357.1	50.22	-5.17	173.6	40.9	4.7	-0.0	CARHARRACK,CORNWALL		7	82	0.00	0.45	0.30	GEOTHERMAL
20200802	150417.8	50.22	-5.17	173.6	40.8	4.7	-0.7	CARHARRACK,CORNWALL		5	97	0.00	0.58	0.50	GEOTHERMAL
20200802	150525.0	50.22	-5.17	173.7	40.9	4.7	-0.8	CARHARRACK,CORNWALL		6	83	0.00	0.36	0.40	GEOTHERMAL
20200802	150527.0	50.22	-5.17	173.6	40.9	4.6	-0.4	CARHARRACK,CORNWALL		7	81	0.00	0.36	0.30	GEOTHERMAL
20200802	150904.1	50.22	-5.17	173.7	40.9	4.8	-0.1	CARHARRACK,CORNWALL		7	84	0.00	0.36	0.30	GEOTHERMAL
20200802	151253.1	50.22	-5.17	173.8	40.9	4.8	-0.7	CARHARRACK,CORNWALL		6	122	0.00	0.54	0.40	GEOTHERMAL
20200802	151324.7	50.22	-5.17	173.8	40.7	4.9	-0.8	CARHARRACK,CORNWALL		6	160	0.00	0.67	0.30	GEOTHERMAL
20200802	151359.9	50.22	-5.17	173.7	40.8	4.5	-1.1	CARHARRACK,CORNWALL		6	125	0.00	0.54	0.50	GEOTHERMAL
20200802	151403.6	50.22	-5.18	173.5	40.8	4.6	-0.7	CARHARRACK,CORNWALL		5	170	0.00	0.73	0.40	GEOTHERMAL
20200802	151440.3	50.22	-5.17	173.8	40.9	4.8	-0.2	CARHARRACK,CORNWALL		6	124	0.00	0.54	0.40	GEOTHERMAL
20200802	152806.5	50.22	-5.17	173.6	40.9	4.5	-0.5	CARHARRACK,CORNWALL		6	129	0.00	0.41	0.30	GEOTHERMAL
20200802	152808.9	50.22	-5.18	173.4	40.9	4.6	-0.8	CARHARRACK,CORNWALL		6	131	0.00	0.95	0.60	GEOTHERMAL
20200802	152815.4	50.22	-5.17	173.8	40.9	4.8	-0.4	CARHARRACK,CORNWALL		7	85	0.00	0.54	0.40	GEOTHERMAL
20200802	153704.0	50.22	-5.17	173.6	40.9	4.7	-0.4	CARHARRACK,CORNWALL		7	81	0.00	0.45	0.40	GEOTHERMAL
20200802	171709.8	50.22	-5.17	173.7	40.8	4.7	-0.9	CARHARRACK,CORNWALL		6	124	0.00	0.67	0.50	GEOTHERMAL
20200802	232543.5	50.22	-5.17	173.7	40.9	4.8	-0.0	CARHARRACK,CORNWALL		7	83	0.00	0.36	0.30	GEOTHERMAL
20200803	050229.7	50.23	-5.17	174.0	41.2	4.3	-0.3	CARHARRACK,CORNWALL		7	85	0.00	0.45	0.30	GEOTHERMAL
20200803	204137.1	50.22	-5.17	173.6	40.9	4.5	-0.9	CARHARRACK,CORNWALL		6	84	0.00	0.45	0.40	GEOTHERMAL

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YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20200804	032702.5	50.23	-5.17	173.6	41.0	4.6	-1.0	CARHARRACK,CORNWALL		8	78	0.00	0.58	0.50	GEOTHERMAL
20200804	040254.3	56.19	-4.95	217.1	703.3	8.9	0.6	LOCH GOIL,ARGYLL/BUTE		4	141	0.30	5.69	6.70	
20200805	225724.4	56.04	-5.26	197.0	687.8	2.9	0.7	LOCHGAIR,ARGYLL & BUTE		5	134	0.10	2.68	5.20	5KM ESE LOCHGAIR
20200806	234540.3	55.92	-4.37	252.1	672.1	4.9	0.7	BEARSDEN,E DUNB'SHIRE		4	192	0.10	1.88	1.90	
20200807	062234.8	52.02	-3.58	291.8	237.0	14.1	1.1	TIRABAD,POWYS		5	155	0.10	1.49	1.60	6KM SE TIRABAD
20200808	110941.7	51.59	-3.40	302.7	189.1	2.1	1.0	TONYREFAIL,RHONDDA CT		5	150	0.20	5.59	3.30	
20200809	020424.9	54.04	-0.49	498.5	461.3	20.6	1.2	DRIFFIELD,E YORKSHIRE		9	167	0.20	3.23	2.30	
20200809	080815.1	56.21	-5.29	196.2	707.0	4.6	0.0	EREDINE,ARGYLL & BUTE		3	215	0.10	1.00	1.00	
20200812	001412.5	52.32	-1.79	414.4	269.1	7.0	0.9	HENLEY,WARWICKSHIRE		6	168	0.10	2.02	3.50	
20200812	043522.4	51.88	-2.83	342.7	220.2	18.7	0.9	CROSS ASH,MONMOUTHSHIRE		7	106	0.10	3.00	1.20	
20200814	035242.3	52.99	-2.18	387.8	344.2	13.7	0.7	STOKE-ON-TRENT,STAFFS		6	104	0.30	3.28	3.60	
20200816	151550.5	54.15	-2.97	336.8	473.5	4.1	0.5	FLOOKBURGH,CUMBRIA		6	160	0.10	1.30	1.90	
20200817	060718.5	52.83	-1.08	462.1	326.3	7.1	1.2	WYSALL,NOTTINGHAMSHIRE		9	132	0.20	1.84	2.10	
20200819	134819.4	52.21	-2.40	372.3	256.8	8.2	0.9	WHITBOURNE,HEREF		6	110	0.20	2.91	9.10	
20200819	221208.9	56.83	-5.25	201.8	775.1	13.6	0.6	DUISKY,HIGHLAND		5	148	0.30	4.74	5.20	
20200820	012915.5	56.40	-5.70	172.0	729.3	2.5	0.9	MULL,ARGYLL & BUTE		5	231	0.10	4.52	2.10	
20200820	161219.9	52.02	-3.56	292.8	236.7	13.9	1.2	TIRABAD,POWYS		6	155	0.20	2.16	2.00	7KM SE TIRABAD
20200821	064211.4	56.13	-4.03	274.0	695.4	6.9	0.7	GARGUNNOCK,STIRLING		6	152	0.10	1.26	1.20	
20200821	174152.3	57.18	-5.77	172.4	816.5	7.9	2.6	SKYE,HIGHLAND	3	12	196	0.40	1.95	2.50	FELT SKYE...
20200823	231334.7	56.19	-4.94	217.7	703.6	7.8	0.2	LOCH GOIL,ARGYLL/BUTE		3	195	0.40	1.09	8.50	
20200824	051553.0	55.85	-5.36	189.7	667.2	14.1	0.6	TARBERT,ARGYLL & BUTE		6	148	0.30	3.89	4.60	
20200826	222451.8	50.28	-5.31	164.4	47.5	7.6	-0.1	PORTREATH,CORNWALL		9	318	0.00	1.08	0.90	OFFSHORE LOCATION
20200828	101955.6	56.52	-5.44	188.5	741.7	4.5	1.0	BENDERLOCH,ARGYLL/BUTE	2	4	177	0.30	4.58	8.50	FELT ACHNACROISH
20200830	181019.9	51.59	-3.42	301.6	189.2	2.5	1.3	TONYREFAIL,RHONDDA CT	3	10	119	0.30	2.36	0.00	FELT TONYREFAIL
20200830	201455.1	56.09	-5.31	194.3	693.3	5.6	0.6	LOCHGAIR,ARGYLL & BUTE		4	139	0.10	5.51	9.40	3KM NE LOCHGAIR
20200831	003950.1	51.59	-3.42	301.8	189.4	2.0	0.8	TONYREFAIL,RHONDDA CT		8	113	0.20	2.50	0.00	
20200831	011638.5	50.21	-4.13	248.2	36.2	10.9	1.7	ENGLISH CHANNEL		15	106	0.30	4.46	6.40	18KM SOUTH PLYMOUTH
20200831	124038.1	55.09	-4.17	261.2	580.0	9.4	0.5	DALRY,D & G		7	73	0.30	3.98	3.20	
20200901	084606.4	55.92	-4.83	222.9	672.8	15.6	0.6	INVERKIP,INVERCLYDE		6	142	0.20	2.37	2.90	
20200902	152902.3	56.29	-3.75	291.5	712.3	8.3	1.3	BLACKFORD,PERTH/KINROSS	3	7	114	0.30	4.11	6.00	FELT BLACKFORD
20200903	010403.0	56.27	-3.74	292.3	709.9	2.7	0.4	BLACKFORD,PERTH/KINROSS		6	93	0.10	2.34	4.30	
20200904	043807.7	51.42	-2.59	359.2	168.8	5.7	1.0	BRISTOL,CITY OF BRISTOL		7	229	0.30	4.88	4.10	
20200906	025511.0	56.53	-5.35	194.1	742.1	9.5	0.8	BARCALDINE,ARGYLL/BUTE		5	162	0.20	3.11	4.10	
20200906	104411.8	51.59	-3.41	302.2	189.2	2.2	1.4	TONYREFAIL,RHONDDA CT		9	114	0.20	2.77	0.00	
20200908	084528.9	51.93	-0.74	486.8	226.1	10.0	3.5	LEIGHTON BUZZARD,BEDS	6	40	76	0.70	5.64	0.00	FELT LEIGHTON...
20200910	082151.4	55.29	-3.52	303.7	600.5	7.7	0.8	BEATTOCK,D & G		8	190	0.20	3.66	6.70	
20200912	231401.7	51.59	-3.43	301.0	189.0	2.2	0.8	TONYREFAIL,RHONDDA CT		6	153	0.30	8.74	6.10	
20200913	080931.0	56.50	-3.91	282.6	736.2	6.2	1.2	AUCHNACLOICH,P & K		7	83	0.20	3.69	3.00	
20200913	105839.5	56.18	-4.95	217.2	702.6	7.9	0.6	LOCH GOIL,ARGYLL/BUTE		4	143	0.20	4.00	2.20	
20200913	125851.4	56.18	-4.94	217.3	702.8	7.7	0.5	LOCH GOIL,ARGYLL/BUTE		4	142	0.30	1.01	0.40	
20200913	143419.6	56.28	-3.75	291.9	711.4	7.9	1.2	BLACKFORD,PERTH/KINROSS		6	188	0.10	4.75	6.50	
20200913	143806.7	56.29	-3.73	292.7	712.3	6.5	1.1	BLACKFORD,PERTH/KINROSS		6	99	0.20	3.00	4.60	

TABLE 1 : CATALOGUE OF EVENTS : 2020

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20200913	232052.6	51.91	-0.71	488.8	224.4	10.0	2.1	LEIGHTON BUZZARD,BEDS	3	19	49	0.70	5.54	0.00	FELT LEIGHTON...
20200914	061126.4	51.92	-0.73	487.3	226.0	10.0	1.3	LEIGHTON BUZZARD,BEDS		7	181	0.90	1.19	0.00	
20200914	163748.4	56.28	-3.75	292.0	711.5	7.7	1.4	BLACKFORD,PERTH/KINROSS		10	96	0.30	2.75	0.60	
20200915	032846.0	51.92	-0.74	486.6	225.9	10.0	1.1	LEIGHTON BUZZARD,BEDS		7	181	0.90	1.48	0.00	
20200916	023936.4	49.08	-1.67	424.0	-91.1	14.7	2.8	JERSEY,CHANNEL ISLANDS	3	15	205	0.20	6.91	5.00	FELT JERSEY...
20200917	173142.2	53.59	-6.13	126.7	417.8	17.8	1.1	SKERRIES,COUNTY DUBLIN		10	141	0.20	6.17	6.40	
20200919	233357.3	50.27	-5.39	158.1	47.0	7.8	0.7	PORTREATH,CORNWALL		12	270	0.10	1.86	1.00	OFFSHORE LOCATION
20200922	083215.9	51.92	-0.68	490.8	225.4	10.0	3.0	LEIGHTON BUZZARD,BEDS	4	20	173	0.70	8.15	0.00	FELT LEIGHTON...
20200922	123921.8	51.93	-0.71	488.5	226.6	10.0	2.1	LEIGHTON BUZZARD,BEDS	3	13	139	0.40	4.25	0.00	FELT LEIGHTON...
20200922	184602.1	54.38	-4.30	250.3	500.7	8.2	0.7	IRISH SEA		8	102	0.30	5.27	9.10	8KM NE RAMSEY,IOM
20200923	222041.1	57.20	-5.55	185.6	818.3	4.3	1.0	GLENELG,HIGHLAND		5	163	0.20	0.87	6.70	
20200924	111145.7	53.12	-3.04	330.5	359.0	7.7	1.7	HOPE,FLINTSHIRE		11	89	0.40	3.69	9.40	
20200928	045406.3	56.27	-3.73	292.6	710.4	2.5	2.3	BLACKFORD,PERTH/KINROSS	3	15	92	0.30	2.95	4.80	FELT BLACKFORD...
20200929	144833.9	50.22	-5.17	173.6	40.9	4.4	-0.8	CARHARRACK,CORNWALL		6	93	0.00	0.45	0.40	GEOTHERMAL
20200929	152348.6	50.22	-5.17	173.7	40.9	4.6	-0.3	CARHARRACK,CORNWALL		8	83	0.00	0.45	0.40	GEOTHERMAL
20200929	152410.5	50.23	-5.17	173.6	41.0	4.6	-0.9	CARHARRACK,CORNWALL		7	94	0.00	0.54	0.50	GEOTHERMAL
20200929	152820.2	50.22	-5.17	173.8	40.9	4.9	-0.9	CARHARRACK,CORNWALL		6	123	0.00	0.63	0.50	GEOTHERMAL
20200929	153237.0	50.22	-5.17	173.6	40.8	4.2	-0.7	CARHARRACK,CORNWALL		6	127	0.00	0.58	0.50	GEOTHERMAL
20200929	153655.3	50.22	-5.17	173.6	40.9	4.8	-0.3	CARHARRACK,CORNWALL		7	128	0.00	0.50	0.40	GEOTHERMAL
20200929	155733.5	50.23	-5.17	173.8	41.3	4.3	-1.0	CARHARRACK,CORNWALL		4	299	0.00	0.94	0.70	GEOTHERMAL
20200929	160504.9	50.22	-5.17	173.7	40.9	4.6	-0.8	CARHARRACK,CORNWALL		7	125	0.00	0.54	0.40	GEOTHERMAL
20200929	165549.2	50.23	-5.17	173.6	41.0	4.8	-0.3	CARHARRACK,CORNWALL		7	108	0.00	0.36	0.30	GEOTHERMAL
20200929	165802.9	50.22	-5.18	173.1	40.9	4.3	-0.9	CARHARRACK,CORNWALL		7	103	0.10	1.22	1.50	GEOTHERMAL
20200929	172826.4	50.23	-5.17	173.6	41.0	4.7	-0.1	CARHARRACK,CORNWALL		6	129	0.00	0.36	0.30	GEOTHERMAL
20200929	175309.3	50.22	-5.17	173.8	40.9	4.9	-1.3	CARHARRACK,CORNWALL		5	155	0.00	0.54	0.30	GEOTHERMAL
20200929	175400.3	50.23	-5.17	173.6	41.0	4.8	-0.6	CARHARRACK,CORNWALL		7	107	0.00	0.45	0.40	GEOTHERMAL
20200929	180132.0	50.22	-5.17	173.6	40.9	4.8	-0.7	CARHARRACK,CORNWALL		6	127	0.00	0.36	0.30	GEOTHERMAL
20200929	180440.6	50.23	-5.17	173.6	41.0	4.9	-0.4	CARHARRACK,CORNWALL		6	128	0.00	0.54	0.30	GEOTHERMAL
20200929	180557.4	50.22	-5.18	173.4	40.0	4.8	-1.3	CARHARRACK,CORNWALL		6	159	0.10	0.51	2.20	GEOTHERMAL
20200929	181902.6	50.22	-5.17	173.6	40.9	4.9	-0.7	CARHARRACK,CORNWALL		6	124	0.00	0.36	0.30	GEOTHERMAL
20200929	183541.3	50.22	-5.17	173.7	40.9	4.8	-0.6	CARHARRACK,CORNWALL		8	83	0.00	0.36	0.30	GEOTHERMAL
20200929	183602.5	50.22	-5.17	173.6	40.9	4.9	-0.9	CARHARRACK,CORNWALL		7	110	0.00	0.45	0.40	GEOTHERMAL
20200929	184821.6	50.23	-5.17	173.6	41.0	4.8	0.0	CARHARRACK,CORNWALL		7	108	0.00	0.22	0.20	GEOTHERMAL
20200929	192726.5	50.23	-5.17	173.6	41.0	4.8	-0.9	CARHARRACK,CORNWALL		7	108	0.00	0.45	0.40	GEOTHERMAL
20200929	192743.3	50.22	-5.17	174.0	40.1	4.8	-0.9	CARHARRACK,CORNWALL		4	281	0.00	0.86	0.40	GEOTHERMAL
20200929	195901.5	50.23	-5.17	173.6	41.0	4.9	-0.7	CARHARRACK,CORNWALL		7	109	0.00	0.36	0.30	GEOTHERMAL
20200930	043326.5	50.22	-5.17	173.6	40.9	4.4	-0.8	CARHARRACK,CORNWALL		8	80	0.00	0.22	0.30	GEOTHERMAL
20200930	083553.6	50.22	-5.17	173.8	40.8	4.5	-0.5	CARHARRACK,CORNWALL		7	123	0.00	0.67	0.50	GEOTHERMAL
20200930	084453.9	50.23	-5.17	173.6	41.0	4.8	0.6	CARHARRACK,CORNWALL		8	79	0.00	0.45	0.40	GEOTHERMAL
20200930	085226.6	50.23	-5.17	173.6	41.1	4.8	-0.5	CARHARRACK,CORNWALL		7	129	0.00	0.76	0.50	GEOTHERMAL
20200930	090248.6	50.23	-5.17	173.8	41.0	4.4	-0.1	CARHARRACK,CORNWALL		8	83	0.00	0.36	0.30	GEOTHERMAL
20200930	095053.6	50.22	-5.17	174.2	40.8	4.9	-0.5	CARHARRACK,CORNWALL		8	101	0.00	0.89	0.70	GEOTHERMAL

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YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20200930	095155.4	50.23	-5.19	172.6	41.3	4.2	-0.4	CARHARRACK,CORNWALL		8	92	0.10	1.39	1.30	GEOTHERMAL
20200930	095159.4	50.22	-5.17	173.8	40.9	4.9	-0.1	CARHARRACK,CORNWALL		8	85	0.00	0.45	0.40	GEOTHERMAL
20200930	095356.3	50.23	-5.17	173.6	41.0	4.7	-0.6	CARHARRACK,CORNWALL		7	86	0.00	0.45	0.40	GEOTHERMAL
20200930	100039.0	50.22	-5.17	173.6	40.8	4.8	-0.7	CARHARRACK,CORNWALL		5	134	0.20	0.51	0.00	GEOTHERMAL
20200930	101458.5	50.22	-5.17	173.8	40.8	4.6	-0.2	CARHARRACK,CORNWALL		7	123	0.00	0.54	0.40	GEOTHERMAL
20200930	101530.7	50.22	-5.17	173.7	40.8	4.5	-0.2	CARHARRACK,CORNWALL		7	125	0.00	0.54	0.40	GEOTHERMAL
20200930	101651.3	50.23	-5.17	173.6	41.0	4.9	-0.6	CARHARRACK,CORNWALL		7	92	0.00	0.54	0.40	GEOTHERMAL
20200930	101904.2	50.22	-5.18	173.2	40.9	4.3	-0.1	CARHARRACK,CORNWALL		8	70	0.10	1.48	1.50	GEOTHERMAL
20200930	102025.5	50.22	-5.17	173.6	40.9	4.7	-0.5	CARHARRACK,CORNWALL		8	81	0.00	0.45	0.40	GEOTHERMAL
20200930	102028.7	50.23	-5.17	173.6	41.0	4.8	-0.3	CARHARRACK,CORNWALL		8	81	0.00	0.45	0.30	GEOTHERMAL
20200930	102328.8	50.22	-5.17	173.6	40.9	4.7	-0.4	CARHARRACK,CORNWALL		8	80	0.00	0.36	0.30	GEOTHERMAL
20200930	102547.9	50.22	-5.18	173.3	40.9	4.2	-0.6	CARHARRACK,CORNWALL		8	74	0.10	1.21	1.10	GEOTHERMAL
20200930	103007.1	50.23	-5.17	173.6	41.1	4.5	-0.5	CARHARRACK,CORNWALL		8	78	0.00	0.36	0.30	GEOTHERMAL
20200930	104007.3	50.23	-5.17	173.6	41.1	4.8	-0.5	CARHARRACK,CORNWALL		7	94	0.00	0.54	0.40	GEOTHERMAL
20200930	104702.5	50.23	-5.18	172.9	41.0	4.2	-0.6	CARHARRACK,CORNWALL		8	69	0.10	1.25	1.20	GEOTHERMAL
20200930	105057.9	50.23	-5.17	174.0	41.2	4.1	-0.7	CARHARRACK,CORNWALL		8	83	0.00	0.45	0.40	GEOTHERMAL
20200930	110241.4	50.23	-5.17	173.8	41.0	4.7	-0.4	CARHARRACK,CORNWALL		8	83	0.10	1.25	1.00	GEOTHERMAL
20200930	111039.4	50.22	-5.17	173.6	40.9	4.8	0.2	CARHARRACK,CORNWALL		8	80	0.00	0.58	0.50	GEOTHERMAL
20200930	111447.7	50.22	-5.17	173.6	40.9	4.9	0.2	CARHARRACK,CORNWALL		8	80	0.00	0.45	0.40	GEOTHERMAL
20200930	111935.6	50.22	-5.17	173.7	40.9	4.8	0.9	CARHARRACK,CORNWALL		8	82	0.00	0.45	0.40	GEOTHERMAL
20200930	112210.0	50.22	-5.17	173.6	40.9	4.6	0.0	CARHARRACK,CORNWALL		8	79	0.00	0.85	0.70	GEOTHERMAL
20200930	113920.4	50.22	-5.17	173.8	40.8	4.9	-0.5	CARHARRACK,CORNWALL		7	85	0.10	0.86	0.70	GEOTHERMAL
20200930	114007.4	50.22	-5.17	173.8	40.9	4.7	-0.2	CARHARRACK,CORNWALL		8	83	0.00	0.36	0.30	GEOTHERMAL
20200930	114335.0	50.22	-5.17	173.8	40.9	4.7	-0.1	CARHARRACK,CORNWALL		9	84	0.00	0.36	0.30	GEOTHERMAL
20200930	114401.5	50.23	-5.17	173.6	41.0	4.8	1.6	CARHARRACK,CORNWALL	3	12	79	0.00	0.36	0.30	GEOTHERMAL
20200930	115707.3	50.23	-5.17	173.6	41.0	4.9	1.3	CARHARRACK,CORNWALL		8	80	0.00	0.45	0.30	GEOTHERMAL
20200930	120332.5	50.23	-5.17	174.0	41.1	4.7	-0.4	CARHARRACK,CORNWALL		8	88	0.00	0.58	0.50	GEOTHERMAL
20200930	120434.5	50.23	-5.17	173.7	41.1	4.6	-0.3	CARHARRACK,CORNWALL		8	80	0.00	0.22	0.20	GEOTHERMAL
20200930	121006.9	50.23	-5.18	173.1	41.4	4.3	-0.7	CARHARRACK,CORNWALL		6	104	0.00	0.76	0.70	GEOTHERMAL
20200930	121447.6	50.23	-5.17	173.6	41.0	4.8	-0.7	CARHARRACK,CORNWALL		7	93	0.00	0.54	0.40	GEOTHERMAL
20200930	122851.2	50.22	-5.17	173.7	40.9	4.8	-0.7	CARHARRACK,CORNWALL		7	91	0.00	0.54	0.40	GEOTHERMAL
20200930	123457.1	50.23	-5.17	173.6	41.0	4.8	-0.4	CARHARRACK,CORNWALL		8	81	0.00	0.45	0.30	GEOTHERMAL
20200930	124050.7	50.23	-5.17	173.6	41.1	4.9	-0.3	CARHARRACK,CORNWALL		8	77	0.00	0.45	0.40	GEOTHERMAL
20200930	124832.8	50.23	-5.17	173.6	41.1	4.8	-0.6	CARHARRACK,CORNWALL		7	87	0.00	0.54	0.50	GEOTHERMAL
20200930	125627.8	50.22	-5.17	173.8	40.9	4.9	-0.5	CARHARRACK,CORNWALL		8	83	0.00	0.36	0.30	GEOTHERMAL
20200930	132430.9	50.23	-5.17	173.6	41.0	4.8	0.6	CARHARRACK,CORNWALL		8	81	0.00	0.36	0.30	GEOTHERMAL
20200930	133250.5	50.23	-5.17	173.6	41.1	4.8	-0.8	CARHARRACK,CORNWALL		7	105	0.00	0.36	0.30	GEOTHERMAL
20200930	135100.8	50.23	-5.17	173.6	41.0	4.7	-0.4	CARHARRACK,CORNWALL		8	77	0.00	0.36	0.30	GEOTHERMAL
20200930	135212.1	50.23	-5.17	173.6	41.0	4.6	0.2	CARHARRACK,CORNWALL		8	78	0.00	0.45	0.30	GEOTHERMAL
20200930	154226.9	50.22	-5.17	173.8	40.9	4.9	-0.5	CARHARRACK,CORNWALL		8	83	0.00	0.45	0.40	GEOTHERMAL
20200930	184956.0	50.23	-5.17	173.6	41.0	4.8	0.6	CARHARRACK,CORNWALL		8	78	0.00	0.36	0.30	GEOTHERMAL
20200930	193822.7	50.23	-5.17	173.6	41.0	4.9	-0.2	CARHARRACK,CORNWALL		8	78	0.00	0.36	0.30	GEOTHERMAL

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YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20201001	010134.7	50.22	-5.17	173.6	40.9	4.5	-0.8	CARHARRACK,CORNWALL		8	81	0.00	0.45	0.40	GEOTHERMAL
20201001	042849.6	50.23	-5.17	173.6	41.0	4.9	-0.6	CARHARRACK,CORNWALL		8	79	0.00	0.45	0.40	GEOTHERMAL
20201002	094434.9	50.23	-5.17	173.8	41.0	4.9	-0.3	CARHARRACK,CORNWALL		7	114	0.00	0.73	0.40	GEOTHERMAL
20201002	104431.2	50.23	-5.17	173.6	41.0	4.8	0.4	CARHARRACK,CORNWALL		8	79	0.00	0.45	0.30	GEOTHERMAL
20201002	121359.7	50.23	-5.17	173.6	41.1	5.0	-0.1	CARHARRACK,CORNWALL		8	78	0.00	0.45	0.40	GEOTHERMAL
20201004	184341.8	56.27	-3.75	291.5	710.5	6.7	2.5	BLACKFORD,PERTH/KINROSS	3	12	91	0.20	2.91	5.00	FELT BLACKFORD...
20201004	210134.2	56.29	-3.77	290.7	711.8	2.6	0.8	BLACKFORD,PERTH/KINROSS	2	6	114	0.20	4.48	8.50	FELT BLACKFORD
20201004	215242.2	55.42	-3.44	309.0	615.1	6.1	1.0	GLENBRECK,BORDERS		10	103	0.30	5.24	7.60	
20201005	032534.8	53.55	2.06	668.9	413.2	10.0	2.6	SOUTHERN NORTH SEA		21	263	0.50	9.75	0.00	85KM NE CROMER
20201006	051616.9	61.49	4.14	726.5	1304.7	10.0	2.2	NORWEGIAN SEA		5	177	0.40	2.45	0.00	325KM ENE LERWICK
20201007	083505.8	55.73	-3.21	324.0	649.3	6.2	1.7	EDDLESTON,BORDERS	2	12	150	0.40	7.12	7.40	FELT EDDLESTON
20201008	042433.6	54.18	-0.53	496.3	476.8	19.5	2.3	SHERBURN,N YORKSHIRE		26	155	0.40	4.57	2.60	
20201009	073354.0	56.29	-3.76	291.0	712.6	7.7	0.6	BLACKFORD,PERTH/KINROSS		7	145	0.20	2.92	3.40	
20201010	062331.6	56.28	-3.75	291.9	711.2	5.2	1.5	BLACKFORD,PERTH/KINROSS	3	12	91	0.40	2.78	4.30	FELT BLACKFORD...
20201010	062844.7	56.28	-3.75	291.5	711.1	7.7	1.8	BLACKFORD,PERTH/KINROSS	3	12	91	0.40	2.72	4.10	FELT BLACKFORD...
20201010	073101.1	56.28	-3.75	291.5	711.2	7.5	0.8	BLACKFORD,PERTH/KINROSS		8	95	0.30	2.75	8.00	
20201011	171133.3	52.60	-4.18	252.2	302.6	7.5	1.8	TONFANAU,GWYNEDD		17	60	0.40	2.91	7.50	OFFSHORE LOCATION
20201012	221551.4	56.62	-5.72	172.0	753.7	8.1	0.8	CLAGGAN,HIGHLAND		4	209	0.50	5.27	0.50	
20201013	215922.5	53.55	-1.86	409.1	406.1	11.1	1.2	MELTHAM,WEST YORKSHIRE	3	7	132	0.20	3.08	3.80	FELT MELTHAM...
20201013	224908.4	56.29	-3.75	291.8	712.4	7.7	1.0	BLACKFORD,PERTH/KINROSS		10	98	0.30	3.08	9.80	
20201014	040623.6	56.28	-3.76	291.2	711.6	7.5	0.4	BLACKFORD,PERTH/KINROSS		8	95	0.30	5.09	7.90	
20201014	172906.9	57.16	-5.19	207.1	812.1	6.2	0.8	LOCH CLUANIE,HIGHLAND		6	119	0.50	8.06	7.90	
20201015	053322.2	56.29	-3.75	291.8	712.1	7.5	0.5	BLACKFORD,PERTH/KINROSS		6	115	0.20	2.97	7.70	
20201015	224539.1	51.42	-2.60	358.1	169.8	11.0	0.9	BRISTOL,CITY OF BRISTOL		8	183	0.20	3.19	3.60	
20201016	054226.5	61.49	3.29	681.3	1301.3	18.9	3.5	NORWEGIAN SEA		15	180	0.50	0.75	6.40	285KM ENE LERWICK
20201017	153935.7	56.26	-3.78	289.7	708.8	2.6	0.7	BLACKFORD,PERTH/KINROSS		7	149	0.30	4.29	5.40	
20201017	190035.5	56.30	-3.78	290.0	713.4	11.9	0.4	BLACKFORD,PERTH/KINROSS		8	98	0.40	4.22	4.40	
20201018	095034.0	56.27	-3.76	291.1	710.0	4.2	0.9	BLACKFORD,PERTH/KINROSS		9	90	0.30	3.81	5.30	
20201018	101448.5	56.27	-3.75	291.6	710.1	2.5	0.8	BLACKFORD,PERTH/KINROSS	2	9	126	0.30	4.13	3.30	FELT BLACKFORD
20201019	074651.6	56.29	-3.75	291.6	712.2	7.4	0.6	BLACKFORD,PERTH/KINROSS		6	114	0.20	1.80	0.00	
20201019	091634.3	56.28	-3.79	289.1	711.0	2.5	0.5	BLACKFORD,PERTH/KINROSS		4	206	0.10	2.20	1.90	
20201021	024934.5	53.35	-0.57	495.4	384.9	24.0	2.5	SCAMPTON,LINCOLNSHIRE	3	17	77	0.40	3.85	2.40	FELT NORTH HYKEHAM...
20201023	225605.6	50.22	-5.17	173.7	40.9	5.0	-0.7	CARHARRACK,CORNWALL		8	83	0.00	0.58	0.50	GEOTHERMAL
20201024	125806.9	55.10	-3.75	288.1	579.5	11.4	2.0	DUMFRIES,D & G	3	14	51	0.30	3.58	7.60	FELT DUMFRIES...
20201024	212312.6	54.67	-2.10	393.2	530.9	6.6	1.5	NEWBIGGIN,COUNTY DURHAM		14	81	0.30	2.30	4.10	
20201026	053548.7	55.42	-3.42	310.2	615.2	8.3	0.9	GLENBRECK,BORDERS		8	106	0.20	3.32	6.90	
20201026	130343.8	50.23	-5.17	173.6	41.0	4.8	0.2	CARHARRACK,CORNWALL		8	77	0.00	0.36	0.30	GEOTHERMAL
20201026	182849.5	50.23	-5.17	173.6	41.0	4.7	-0.7	CARHARRACK,CORNWALL		8	76	0.00	0.36	0.30	GEOTHERMAL
20201027	001251.1	54.19	-2.16	389.7	477.2	5.9	0.7	BUCKDEN,N YORKSHIRE		10	65	0.20	1.86	2.30	
20201027	130649.8	50.23	-5.18	173.1	41.0	4.4	-0.5	CARHARRACK,CORNWALL		7	104	0.10	1.30	0.90	GEOTHERMAL
20201027	135550.9	50.22	-5.17	173.9	40.9	5.2	0.2	CARHARRACK,CORNWALL		8	89	0.10	1.70	1.30	GEOTHERMAL
20201027	141756.2	50.22	-5.17	173.7	40.9	4.9	1.0	CARHARRACK,CORNWALL		8	82	0.00	0.45	0.40	GEOTHERMAL

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YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20201027	141846.0	50.23	-5.17	173.6	41.0	4.7	0.7	CARHARRACK,CORNWALL		8	80	0.00	0.45	0.40	GEOTHERMAL
20201027	185340.3	52.40	-1.88	407.9	277.7	7.9	0.9	HOLLYWOOD,WORCS		6	150	0.30	4.17	0.20	
20201030	113822.4	50.23	-5.18	173.5	41.0	4.8	-0.5	CARHARRACK,CORNWALL		8	76	0.00	0.36	0.30	GEOTHERMAL
20201030	114037.3	50.22	-5.17	173.6	40.9	5.4	-0.6	CARHARRACK,CORNWALL		7	109	0.10	3.23	1.40	GEOTHERMAL
20201030	114202.0	50.23	-5.17	173.6	41.1	4.8	-0.5	CARHARRACK,CORNWALL		8	78	0.00	0.45	0.40	GEOTHERMAL
20201030	182632.5	56.29	-3.75	291.8	712.3	7.1	0.5	BLACKFORD,PERTH/KINROSS		8	98	0.30	3.38	7.30	
20201031	204634.1	50.22	-5.17	173.8	40.9	4.4	-0.8	CARHARRACK,CORNWALL		8	85	0.00	0.45	0.30	GEOTHERMAL
20201103	222054.5	58.16	1.09	581.9	923.7	26.9	2.7	CENTRAL NORTH SEA		15	157	0.40	8.45	5.30	220KM NE ABERDEEN
20201105	032616.7	53.73	-2.01	399.1	426.3	2.5	1.2	HEBDEN BRIDGE,W YORKS		10	107	0.50	4.98	7.40	
20201105	140601.1	50.23	-5.17	173.6	41.0	4.5	-0.8	CARHARRACK,CORNWALL		8	80	0.00	0.45	0.40	GEOTHERMAL
20201105	160445.8	50.22	-5.17	173.7	40.9	4.8	-0.5	CARHARRACK,CORNWALL		18	46	0.00	0.22	0.20	GEOTHERMAL
20201106	150151.4	50.23	-5.17	173.7	41.0	4.7	-0.1	CARHARRACK,CORNWALL		18	45	0.00	0.22	0.20	GEOTHERMAL
20201106	151444.3	50.23	-5.17	173.6	41.0	4.7	0.6	CARHARRACK,CORNWALL		19	45	0.00	0.22	0.20	GEOTHERMAL
20201106	152249.8	50.23	-5.17	173.6	41.1	5.0	-0.2	CARHARRACK,CORNWALL		19	43	0.00	0.36	0.20	GEOTHERMAL
20201107	032324.4	53.03	-2.14	390.9	348.2	2.8	1.3	STOKE-ON-TRENT,STAFFS		12	86	0.50	4.39	7.30	
20201107	062320.6	50.23	-5.18	173.5	41.1	5.1	-0.6	CARHARRACK,CORNWALL		17	50	0.00	0.36	0.30	GEOTHERMAL
20201107	080139.1	54.24	-0.16	519.8	484.2	4.6	1.3	SOUTHERN NORTH SEA		12	247	0.30	7.21	5.10	9KM OFFSHORE FILEY
20201109	012120.2	56.77	-5.75	170.6	770.3	2.7	1.1	DALNABRECK,HIGHLAND		7	207	0.50	4.38	6.90	
20201109	140556.4	50.23	-5.17	173.6	41.1	5.0	-0.7	CARHARRACK,CORNWALL		19	44	0.00	0.36	0.20	GEOTHERMAL
20201109	153550.6	50.23	-5.17	173.6	41.1	5.0	0.2	CARHARRACK,CORNWALL		19	42	0.00	0.36	0.20	GEOTHERMAL
20201109	154134.9	50.23	-5.17	173.6	41.1	5.0	-0.6	CARHARRACK,CORNWALL		19	43	0.00	0.36	0.20	GEOTHERMAL
20201109	164332.1	50.23	-5.17	173.6	41.1	5.0	0.2	CARHARRACK,CORNWALL		19	44	0.00	0.32	0.20	GEOTHERMAL
20201110	161459.7	50.23	-5.17	173.6	41.1	5.0	-0.2	CARHARRACK,CORNWALL		18	43	0.00	0.36	0.20	GEOTHERMAL
20201110	163735.6	50.23	-5.17	173.6	41.1	5.0	-0.4	CARHARRACK,CORNWALL		18	43	0.00	0.36	0.20	GEOTHERMAL
20201110	164536.6	50.23	-5.17	173.6	41.1	5.1	0.0	CARHARRACK,CORNWALL		19	43	0.00	0.36	0.30	GEOTHERMAL
20201110	171536.9	50.23	-5.17	173.6	41.1	5.1	-0.4	CARHARRACK,CORNWALL		19	43	0.00	0.36	0.20	GEOTHERMAL
20201110	171945.4	50.23	-5.17	173.6	41.1	5.1	-0.4	CARHARRACK,CORNWALL		19	44	0.00	0.36	0.20	GEOTHERMAL
20201110	172608.2	50.23	-5.17	173.6	41.1	5.0	-0.8	CARHARRACK,CORNWALL		19	43	0.00	0.36	0.20	GEOTHERMAL
20201110	185130.4	50.23	-5.17	173.6	41.1	5.1	-0.8	CARHARRACK,CORNWALL		19	43	0.00	0.36	0.20	GEOTHERMAL
20201110	185336.7	50.23	-5.17	173.6	41.1	4.9	-1.0	CARHARRACK,CORNWALL		8	76	0.00	0.45	0.40	GEOTHERMAL
20201110	202130.7	50.23	-5.17	173.6	41.1	4.9	0.1	CARHARRACK,CORNWALL		8	78	0.00	0.36	0.30	GEOTHERMAL
20201110	221448.9	50.23	-5.17	173.8	41.0	5.0	-1.1	CARHARRACK,CORNWALL		8	82	0.00	0.45	0.30	GEOTHERMAL
20201110	230450.0	50.23	-5.17	173.6	41.1	4.9	-0.8	CARHARRACK,CORNWALL		8	76	0.00	0.45	0.40	GEOTHERMAL
20201111	064815.3	56.29	-3.76	290.8	712.6	7.4	0.7	BLACKFORD,PERTH/KINROSS		6	211	0.20	3.40	0.00	
20201111	123556.8	50.23	-5.17	173.6	41.1	5.1	-0.5	CARHARRACK,CORNWALL		7	92	0.00	0.76	0.60	GEOTHERMAL
20201111	142528.9	50.22	-5.17	173.6	40.9	4.6	-0.5	CARHARRACK,CORNWALL		8	81	0.00	0.58	0.50	GEOTHERMAL
20201111	154429.9	50.23	-5.17	173.6	41.1	4.9	0.0	CARHARRACK,CORNWALL		7	93	0.00	0.67	0.40	GEOTHERMAL
20201111	233811.9	56.09	-5.54	179.5	693.7	6.0	1.4	CRINAN,ARGYLL & BUTE		6	159	0.30	8.77	8.00	
20201112	165506.9	50.23	-5.18	173.5	41.0	4.8	0.7	CARHARRACK,CORNWALL		8	76	0.00	0.36	0.30	GEOTHERMAL
20201112	184752.6	56.27	-3.76	290.9	710.1	2.7	0.3	BLACKFORD,PERTH/KINROSS		4	182	0.20	3.38	4.30	
20201113	022335.7	50.23	-5.18	173.5	41.0	4.3	-0.2	CARHARRACK,CORNWALL		8	76	0.00	0.58	0.50	GEOTHERMAL
20201113	160659.3	50.23	-5.17	173.6	41.0	4.6	-0.5	CARHARRACK,CORNWALL		7	86	0.00	0.45	0.40	GEOTHERMAL

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20201114	100920.0	54.69	-2.40	374.0	532.6	3.4	0.8	GARRIGILL,CUMBRIA		9	97	0.20	2.56	3.90	8KM SOUTH GARRIGILL
20201116	063156.5	52.64	-2.74	350.1	304.5	9.3	1.2	DORRINGTON,SHROPSHIRE	2	5	134	0.10	2.62	6.50	FELT STAPLETON
20201117	033823.6	56.29	-3.75	291.7	712.5	7.5	0.9	BLACKFORD,PERTH/KINROSS		8	98	0.40	5.13	3.60	
20201117	034228.0	56.29	-3.75	291.8	712.1	8.9	0.7	BLACKFORD,PERTH/KINROSS		7	97	0.30	4.30	3.40	
20201117	143817.9	61.34	3.48	692.8	1284.9	16.0	2.5	NORWEGIAN SEA		5	171	0.40	8.36	6.70	285KM ENE LERWICK
20201121	162310.5	56.28	-3.76	291.3	711.2	7.7	0.9	BLACKFORD,PERTH/KINROSS	2	7	95	0.20	2.16	0.00	FELT BLACKFORD
20201121	215600.6	56.28	-3.75	291.8	711.6	7.5	0.7	BLACKFORD,PERTH/KINROSS		7	97	0.30	2.80	8.00	
20201122	050639.0	57.07	-4.74	234.0	800.5	6.8	0.9	INVERGARRY,HIGHLAND		6	117	0.40	3.94	0.00	
20201122	225754.9	56.98	-5.60	181.3	793.7	7.6	1.3	LOCH NEVIS,HIGHLAND		5	184	0.30	1.08	8.80	
20201123	011912.8	51.94	-2.96	334.1	227.1	8.6	1.3	CLODOCK,HEREFORDSHIRE	2	9	88	0.30	4.57	6.10	FELT CLODOCK
20201125	185647.2	51.16	-0.25	522.2	141.0	2.5	0.3	NEWDIGATE,SURREY		4	184	0.00	0.36	0.40	
20201125	233931.8	50.22	-5.17	173.6	40.9	4.6	-0.3	CARHARRACK,CORNWALL		8	80	0.00	0.45	0.40	GEOTHERMAL
20201127	032235.2	56.27	-3.75	291.9	710.4	6.2	2.0	BLACKFORD,PERTH/KINROSS	3	13	91	0.30	2.61	4.10	FELT BLACKFORD...
20201201	101424.1	50.22	-5.17	173.6	40.9	4.6	-0.4	CARHARRACK,CORNWALL		7	93	0.00	0.45	0.40	GEOTHERMAL
20201201	101433.5	50.22	-5.17	173.6	40.9	4.6	-1.0	CARHARRACK,CORNWALL		7	94	0.00	0.67	0.50	GEOTHERMAL
20201201	101652.4	50.22	-5.17	173.6	40.9	4.6	0.0	CARHARRACK,CORNWALL		8	81	0.00	0.36	0.30	GEOTHERMAL
20201201	152455.3	50.22	-5.17	173.6	40.9	4.7	0.9	CARHARRACK,CORNWALL		8	80	0.00	0.36	0.30	GEOTHERMAL
20201201	152519.5	50.22	-5.17	173.7	40.9	4.6	-0.3	CARHARRACK,CORNWALL		8	82	0.00	0.36	0.30	GEOTHERMAL
20201201	152624.2	50.23	-5.17	173.8	41.0	4.4	-0.5	CARHARRACK,CORNWALL		8	83	0.00	0.36	0.30	GEOTHERMAL
20201204	153707.4	50.23	-5.17	173.6	41.0	4.7	-0.3	CARHARRACK,CORNWALL		8	78	0.00	0.54	0.40	GEOTHERMAL
20201207	082917.3	55.45	-7.07	79.3	628.5	6.9	0.5	INISHTRAHULL,CO DONEGAL		3	195	0.10	2.64	5.40	OFFSHORE LOCATION
20201208	102937.5	50.22	-5.17	173.7	40.9	4.6	-0.8	CARHARRACK,CORNWALL		8	82	0.00	0.36	0.30	GEOTHERMAL
20201208	103522.6	50.22	-5.17	173.6	40.9	4.5	-0.5	CARHARRACK,CORNWALL		8	81	0.00	0.45	0.30	GEOTHERMAL
20201208	104400.3	50.23	-5.17	173.6	41.0	4.8	0.7	CARHARRACK,CORNWALL		8	78	0.00	0.45	0.30	GEOTHERMAL
20201208	104409.5	50.23	-5.17	173.6	41.0	4.8	0.1	CARHARRACK,CORNWALL		8	78	0.00	0.36	0.30	GEOTHERMAL
20201208	104615.1	50.23	-5.17	173.6	41.0	4.8	1.7	CARHARRACK,CORNWALL	2	11	79	0.00	0.36	0.30	GEOTHERMAL
20201208	104726.4	50.23	-5.17	173.6	41.0	4.9	-0.3	CARHARRACK,CORNWALL		7	94	0.00	0.54	0.40	GEOTHERMAL
20201208	104731.7	50.22	-5.18	173.3	40.8	4.6	-0.8	CARHARRACK,CORNWALL		7	103	0.10	1.08	0.00	GEOTHERMAL
20201208	110454.8	50.23	-5.17	173.6	41.0	4.9	-0.2	CARHARRACK,CORNWALL		8	79	0.00	0.45	0.30	GEOTHERMAL
20201208	212550.4	50.23	-5.17	173.6	41.0	4.9	-0.8	CARHARRACK,CORNWALL		8	79	0.00	0.45	0.30	GEOTHERMAL
20201209	232923.7	55.31	-3.54	302.6	602.8	7.5	0.2	BEATTOCK,D & G		4	203	0.30	8.92	3.00	
20201211	041327.2	52.88	-5.45	167.8	337.6	8.2	0.6	IRISH SEA		7	83	0.30	4.53	8.70	40KM EAST WICKLOW
20201214	144947.6	56.29	-3.75	291.6	711.8	8.6	1.2	BLACKFORD,PERTH/KINROSS	3	9	96	0.30	3.86	5.50	FELT BLACKFORD...
20201215	032917.7	56.28	-3.75	291.7	711.3	7.7	0.5	BLACKFORD/PERTH/KINROSS		8	95	0.30	3.08	0.80	
20201216	004903.7	51.16	-0.24	523.1	141.6	2.0	0.0	NEWDIGATE,SURREY		4	185	0.00	0.45	0.30	
20201216	011457.7	56.99	-5.84	166.9	795.3	6.5	0.5	MALLAIG,HIGHLAND		4	214	0.40	5.23	4.90	
20201216	165717.8	55.41	-2.42	373.5	612.4	12.2	0.8	CAMPTOWN,BORDERS		4	292	0.40	2.88	0.80	
20201217	061438.2	56.54	-3.94	280.8	740.0	2.5	1.1	KENMORE,PERTH/KINROSS		8	172	0.40	7.63	6.30	5KM SSE KENMORE
20201218	112038.1	50.22	-5.17	173.6	40.9	4.7	-0.1	CARHARRACK,CORNWALL		8	78	0.00	0.36	0.30	GEOTHERMAL
20201218	112220.2	50.23	-5.17	173.6	41.1	4.9	0.0	CARHARRACK,CORNWALL		8	76	0.00	0.45	0.40	GEOTHERMAL
20201218	112554.1	50.23	-5.17	173.6	41.0	4.6	0.4	CARHARRACK,CORNWALL		8	77	0.00	0.58	0.50	GEOTHERMAL
20201218	112732.5	50.23	-5.18	173.5	41.2	4.8	-0.3	CARHARRACK,CORNWALL		7	102	0.00	0.67	0.50	GEOTHERMAL

TABLE 1 : CATALOGUE OF EVENTS : 2020

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20201218	130553.1	50.23	-5.17	173.6	41.0	5.1	-0.4	CARHARRACK,CORNWALL		8	80	0.00	0.50	0.40	GEOTHERMAL
20201219	002628.8	51.31	0.49	573.3	160.2	2.4	1.8	AYLESFORD,KENT		11	93	0.30	2.77	4.50	
20201219	115018.2	56.52	-3.92	281.6	737.6	4.0	0.8	KENMORE,PERTH/KINROSS		6	170	0.40	6.26	5.60	
20201219	212810.5	54.08	-0.86	474.4	465.4	24.1	1.8	WESTOW,NORTH YORKSHIRE		15	113	0.20	3.61	2.10	
20201220	211322.2	53.74	1.43	626.2	432.8	11.1	3.3	SOUTHERN NORTH SEA		29	219	0.50	2.19	4.00	100KM EAST GRIMSBY
20201222	184332.3	56.51	-5.39	191.2	740.3	4.5	0.8	BENDERLOCH,ARGYLL/BUTE		4	275	0.20	3.96	7.50	
20201225	004117.4	53.66	-3.91	274.0	420.3	3.1	0.1	IRISH SEA		6	125	0.40	5.44	4.20	40KM NE AMLWCH
20201225	065220.4	55.47	-5.95	150.5	627.1	7.2	2.4	KINTYRE,ARGYLL & BUTE	3	14	135	0.30	3.76	5.80	FELT KILCHENZIE...
20201229	074602.2	53.68	-4.10	261.1	422.4	7.9	0.4	IRISH SEA		7	108	0.20	3.23	5.70	33KM NNE AMLWCH
20201230	231505.3	56.40	-4.00	276.6	724.8	4.5	0.2	COMRIE,PERTH & KINROSS		5	198	0.10	1.30	0.90	
20201231	111812.0	55.66	-3.44	309.6	642.1	7.4	1.9	SKIRLING,BORDERS	3	16	129	0.40	6.55	0.30	FELT SKIRLING...

TABLE 2 : PHASE DATA

January 1 2020 Time: 17:28 35.5 UTC Magnitude: 1.5 ML
Lat: 51.603 Lon: -3.515 Depth: 5.6 km
Grid Ref: 295.09 kmE 190.49 kmN RMS: 0.40 secs
Locality: OGMORE VALE,BRIDGEND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MONM	HZ	55.7	EP			17:28	45.00			-0.16
MONM	HE	55.7	ES			17:28	52.05			-0.14
MONM	HN	55.7	IAML			17:28	53.20	18	0.15	
MONM	HE	55.7	IAML			17:28	53.63	24	0.13	
MCH1	HZ	56.5	EP			17:28	45.09			-0.20
MCH1	HE	56.5	ES			17:28	52.19			-0.24
MCH1	HE	56.5	IAML			17:28	52.39	6	0.17	
MCH1	HN	56.5	IAML			17:28	55.54	14	0.11	
OLDB	HZ	67.1	EP			17:28	46.58			-0.32
OLDB	HE	67.1	ES			17:28	54.70			-0.51
OLDB	HN	67.1	IAML			17:28	55.74	242	0.30	
OLDB	HE	67.1	IAML			17:28	55.95	156	0.24	
RSBS	HZ	93.3	EP			17:28	51.09			0.07
RSBS	HE	93.3	ES			17:29	02.23			-0.10
RSBS	HE	93.3	IAML			17:29	03.06	13	0.12	
RSBS	HN	93.3	IAML			17:29	04.50	9	0.10	
HTL	HZ	95.7	EP			17:28	51.61			0.26
HTL	HE	95.7	ES			17:29	02.63			-0.28
HTL	HE	95.7	IAML			17:29	03.24	13	0.28	
HTL	HN	95.7	IAML			17:29	04.06	8	0.28	
HLM1	HZ	111.0	EP			17:28	53.73			-0.01
HLM1	HE	111.0	ES			17:29	07.24			0.20
HLM1	HE	111.0	IAML			17:29	10.46	13	0.26	
HLM1	HN	111.0	IAML			17:29	10.49	12	0.20	
SWN1	HZ	119.0	EP			17:28	55.66			0.63
SWN1	HN	119.0	ES			17:29	10.25			0.97
SWN1	HN	119.0	IAML			17:29	10.71	27	0.28	
SWN1	HE	119.0	IAML			17:29	10.79	16	0.20	
FOEL	HZ	145.0	EP			17:28	59.56			0.76
FOEL	HN	145.0	ES			17:29	16.51			0.71
FOEL	HN	145.0	IAML			17:29	17.40	7	0.18	
FOEL	HE	145.0	IAML			17:29	17.90	9	0.28	
CWF	HZ	197.0	EP			17:29	05.33			-0.38
CWF	HN	197.0	IAML			17:29	29.58	3	0.15	
CWF	HE	197.0	IAML			17:29	30.14	4	0.11	

January 1 2020 Time: 19:43 43.7 UTC Magnitude: 0.4 ML
Lat: 52.088 Lon: -2.683 Depth: 4.2 km
Grid Ref: 353.21 kmE 243.56 kmN RMS: 0.10 secs
Locality: HEREFORD,HEREFORDSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MCH1	HZ	23.8	EP			19:43	48.29			0.07
MCH1	HN	23.8	ES			19:43	51.58			0.03
MCH1	HN	23.8	IAML			19:43	51.66	24	0.10	
MCH1	HE	23.8	IAML			19:43	51.70	17	0.08	
MONM	HZ	28.9	EP			19:43	49.01			-0.05
MONM	HN	28.9	ES			19:43	52.88			-0.12
MONM	HE	28.9	IAML			19:43	53.18	5	0.17	
MONM	HN	28.9	IAML			19:43	53.69	8	0.30	
HLM1	HZ	49.8	EP			19:43	52.57			0.04
HLM1	HN	49.8	ES			19:43	58.83			-0.17
HLM1	HN	49.8	IAML			19:43	58.87	2	0.10	
HLM1	HE	49.8	IAML			19:43	59.10	3	0.10	
CWF	HZ	118.0	EP			19:44	03.26			0.14
CWF	HE	118.0	IAML			19:44	19.16	1	0.12	
CWF	HN	118.0	IAML			19:44	19.50	1	0.14	
RSBS	HZ	142.0	EP			19:44	07.04			0.34

January 3 2020 Time: 03:09 19.6 UTC Magnitude: 1.8 ML
Lat: 49.906 Lon: -4.387 Depth: 8.0 km
Grid Ref: 228.62 kmE 3.45 kmN RMS: 0.20 secs
Locality: ENGLISH CHANNEL
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0
Comment: 55KM SSW PLYMOUTH

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
GEL02	CZ	64.3	EP			03:09	30.44			-0.01
GEL01	CZ	64.8	EP			03:09	30.45			-0.09
GEL03	CZ	65.0	EP			03:09	30.49			-0.07
GEL07	CZ	66.3	EP			03:09	30.86			0.09
GEL05	CZ	67.8	EP			03:09	30.95			-0.07
CCA1	HZ	67.8	EP			03:09	30.94			-0.08
CCA1	HN	67.8	ES			03:09	39.51			0.17
CCA1	HN	67.8	IAML			03:09	42.42	36	0.09	
CCA1	HE	67.8	IAML			03:09	42.64	30	0.08	
GEL04	CZ	68.7	EP			03:09	31.11			-0.02
GEL06	CZ	70.5	EP			03:09	31.39			-0.04
HTL	HZ	121.0	EP			03:09	39.56			0.28
HTL	HE	121.0	ES			03:09	53.47			-0.16
HTL	HE	121.0	IAML			03:09	54.41	47	0.27	
HTL	HN	121.0	IAML			03:09	54.63	63	0.44	
JSA	HZ	179.0	EP			03:09	46.92			-0.37
JSA	HE	179.0	IAML			03:10	07.70	9	0.22	
JSA	HN	179.0	IAML			03:10	09.08	7	0.22	
JLP	EZ	181.0	EP			03:09	47.88			0.38

January 4 2020 Time: 04:40 14.5 UTC Magnitude: 0.9 ML
Lat: 52.988 Lon: -4.168 Depth: 5.3 km
Grid Ref: 254.49 kmE 345.64 kmN RMS: 0.10 secs
Locality: DOLBENMAEN,GWYNEDD
Velocity model: Lleyn Xnear: 80.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
YLL	EZ	17.0	EP			04:40	17.73			0.13
WLF1	HZ	36.9	IP		D	04:40	20.81			-0.03
WLF1	HE	36.9	ES			04:40	25.16			0.03
WLF1	HE	36.9	IAML			04:40	25.29	29	0.12	
WLF1	HN	36.9	IAML			04:40	25.39	15	0.11	
WME	EZ	46.4	EP			04:40	22.36			-0.06
WPS	HZ	51.0	EP			04:40	23.10			-0.06
WPS	HE	51.0	ES			04:40	29.04			0.02
WPS	HE	51.0	IAML			04:40	29.26	11	0.10	
WPS	HN	51.0	IAML			04:40	29.51	8	0.15	
FOEL	HZ	66.0	EP			04:40	25.67			-0.01
FOEL	HN	66.0	ES			04:40	33.07			-0.17
FOEL	HN	66.0	IAML			04:40	33.33	6	0.21	
FOEL	HE	66.0	IAML			04:40	34.57	12	0.33	
HLM1	HZ	101.0	EP			04:40	31.51			-0.01
HLM1	HN	101.0	ES			04:40	43.35			0.29
HLM1	HN	101.0	IAML			04:40	47.12	2	0.13	
HLM1	HE	101.0	IAML			04:40	47.18	2	0.14	
RSBS	HZ	122.0	EP			04:40	34.49			-0.14
MONM	HZ	158.0	EP			04:40	40.36			0.20

January 4 2020 Time: 09:14 15.8 UTC Magnitude: 0.9 ML
Lat: 56.290 Lon: -3.715 Depth: 2.6 km
Grid Ref: 293.86 kmE 712.15 kmN RMS: 0.30 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	25.4	EP			09:14	20.63			-0.01
INVG	HN	25.4	ES			09:14	23.95			-0.21
INVG	HE	25.4	IAML			09:14	24.30	6	0.08	
INVG	HN	25.4	IAML			09:14	24.31	6	0.07	
EDI	HZ	52.4	EP			09:14	24.86			-0.27
EDI	HN	52.4	ES			09:14	31.56			-0.37
EDI	HN	52.4	IAML			09:14	32.17	5	0.09	
EDI	HE	52.4	IAML			09:14	33.78	8	0.38	
DRUM	HZ	102.0	EP			09:14	33.29			0.38
DRUM	HN	102.0	ES			09:14	45.32			-0.08
DRUM	HE	102.0	IAML			09:14	47.43	18	0.24	
DRUM	HN	102.0	IAML			09:14	47.62	10	0.22	
LAWE	HZ	104.0	EP			09:14	33.18			-0.02
LAWE	HN	104.0	ES			09:14	46.01			0.12
LAWE	HN	104.0	IAML			09:14	47.68	7	0.14	
LAWE	HE	104.0	IAML			09:14	47.96	8	0.20	
ESK	HZ	113.0	EP			09:14	35.05			0.50
ESK	HN	113.0	ES			09:14	48.38			0.14
ESK	HN	113.0	IAML			09:14	50.71	3	0.14	
ESK	HE	113.0	IAML			09:14	51.10	6	0.29	
NEWG	HZ	135.0	EP			09:14	37.82			-0.02
NEWG	HN	135.0	IAML			09:14	56.08	3	0.14	
NEWG	HE	135.0	IAML			09:14	56.95	3	0.19	

January 4 2020 Time: 21:55 22.0 UTC Magnitude: 0.8 ML
Lat: 55.774 Lon: -6.333 Depth: 6.3 km
Grid Ref: 128.31 kmE 661.91 kmN RMS: 0.00 secs
Locality: ISLAY,ARGYLL & BUTE
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CLGH	HZ	78.2	EP			21:55	35.10			0.02
CLGH	HE	78.2	ES			21:55	44.62			-0.02
CLGH	HE	78.2	IAML			21:55	46.91	4	0.15	
CLGH	HN	78.2	IAML			21:55	47.25	5	0.24	
LAWE	HZ	79.5	EP			21:55	35.25			0.00
LAWE	HN	79.5	ES			21:55	44.92			-0.02
LAWE	HN	79.5	IAML			21:55	47.91	4	0.32	
LAWE	HE	79.5	IAML			21:55	48.46	5	0.21	
INVG	HZ	160.0	EP			21:55	47.33			0.00
INVG	HN	160.0	ES			21:56	05.87			0.02
INVG	HE	160.0	IAML			21:56	08.94	2	0.24	
INVG	HN	160.0	IAML			21:56	08.96	1	0.26	

January 5 2020 Time: 09:26 40.9 UTC Magnitude: 0.8 ML
Lat: 49.030 Lon: -2.258 Depth: 5.0 km
Grid Ref: 381.14 kmE -96.63 kmN RMS: 0.10 secs
Locality: JERSEY,CHANNEL ISLANDS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 15KM SSW JERSEY

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
JSA	HZ	18.7	EP			09:26	44.20			-0.33
JSA	HE	18.7	ES			09:26	47.32			0.12
JSA	HE	18.7	IAML			09:26	47.51	7	0.21	
JSA	HN	18.7	IAML			09:26	47.62	21	0.14	
JDG	EZ	24.0	EP			09:26	45.33			-0.08
JDG	EN	24.0	ES			09:26	48.71			-0.02
JDG	EE	24.0	IAML			09:26	48.86	11	0.13	
JDG	EN	24.0	IAML			09:26	48.88	11	0.10	
JDC	EZ	24.0	EP			09:26	45.45			0.04
JDC	EN	24.0	ES			09:26	48.80			0.06
JDC	EE	24.0	IAML			09:26	48.94	69	0.18	

TABLE 2 : PHASE DATA

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
JDC	EN	24.0	IAML			09:26	49.24	87	0.28	
JLP	EZ	26.8	EP			09:26	46.06			0.15
ROSF	HZ	107.0	EP			09:26	58.64			0.07
ROSF	HN	107.0	ES			09:27	11.51			0.00

January 5 2020 Time: 16:57 55.7 UTC Magnitude: 1.5 ML
Lat: 51.597 Lon: -3.513 Depth: 5.7 km
Grid Ref: 295.21 kmE 189.82 kmN RMS: 0.40 secs
Locality: OGMORE VALE,BRIDGEND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MONM	HZ	55.9	EP			16:58	05.13			-0.14
MONM	HE	55.9	ES			16:58	12.18			-0.09
MONM	HN	55.9	IAML			16:58	13.27	22	0.27	
MONM	HE	55.9	IAML			16:58	13.80	29	0.34	
MCH1	HZ	56.9	EP			16:58	05.26			-0.19
MCH1	HN	56.9	ES			16:58	12.41			-0.17
MCH1	HN	56.9	IAML			16:58	15.70	18	0.09	
MCH1	HE	56.9	IAML			16:58	15.82	18	0.09	
OLDB	HZ	67.0	EP			16:58	06.80			-0.17
OLDB	HN	67.0	ES			16:58	15.01			-0.20
RSBS	HZ	93.8	EP			16:58	11.27			0.09
RSBS	HN	93.8	ES			16:58	22.44			-0.05
RSBS	HE	93.8	IAML			16:58	23.66	23	0.10	
RSBS	HN	93.8	IAML			16:58	24.70	17	0.09	
HTL	HZ	95.4	EP			16:58	11.77			0.39
HTL	HN	95.4	ES			16:58	22.41			-0.43
HTL	HE	95.4	IAML			16:58	23.63	12	0.21	
HTL	HN	95.4	IAML			16:58	24.10	14	0.24	
STRD	HZ	95.5	EP			16:58	11.34			-0.08
STRD	HN	95.5	ES			16:58	22.68			-0.22
STRD	HN	95.5	IAML			16:58	23.83	27	0.12	
STRD	HE	95.5	IAML			16:58	24.13	15	0.14	
HLM1	HZ	111.0	EP			16:58	13.84			-0.08
HLM1	HN	111.0	ES			16:58	27.18			-0.05
HLM1	HE	111.0	IAML			16:58	30.60	20	0.26	
HLM1	HN	111.0	IAML			16:58	30.65	16	0.20	
SWN1	HZ	119.0	EP			16:58	15.56			0.48
SWN1	HE	119.0	ES			16:58	30.07			0.82
SWN1	HE	119.0	IAML			16:58	30.94	21	0.22	
SWN1	HN	119.0	IAML			16:58	30.99	34	0.26	
FOEL	HZ	145.0	EP			16:58	19.70			0.74
FOEL	HN	145.0	ES			16:58	36.88			0.92
FOEL	HN	145.0	IAML			16:58	37.56	10	0.21	
FOEL	HE	145.0	IAML			16:58	37.80	12	0.32	
CWF	HZ	197.0	EP			16:58	25.47			-0.31
CWF	HN	197.0	IAML			16:58	49.51	6	0.27	
CWF	HE	197.0	IAML			16:58	50.57	6	0.17	

January 6 2020 Time: 02:35 08.7 UTC Magnitude: 1.8 ML
Lat: 51.602 Lon: -3.523 Depth: 4.8 km
Grid Ref: 294.53 kmE 190.39 kmN RMS: 0.40 secs
Locality: OGMORE VALE,BRIDGEND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MONM	HZ	56.2	IP		C	02:35	18.22			-0.21
MONM	HN	56.2	ES			02:35	25.27			-0.29
MONM	HN	56.2	IAML			02:35	26.36	30	0.28	
MONM	HE	56.2	IAML			02:35	26.88	49	0.34	
MCH1	HZ	56.9	IP		C	02:35	18.36			-0.19
MCH1	HN	56.9	ES			02:35	25.50			-0.28
MCH1	HE	56.9	IAML			02:35	25.81	29	0.32	
MCH1	HN	56.9	IAML			02:35	28.80	37	0.22	
RSBS	HZ	92.9	EP			02:35	24.34			0.20
RSBS	HN	92.9	ES			02:35	35.54			0.09
RSBS	HN	92.9	IAML			02:35	36.56	33	0.10	
RSBS	HE	92.9	IAML			02:35	36.72	33	0.10	
HTL	HZ	95.3	EP			02:35	24.79			0.32
HTL	HN	95.3	ES			02:35	35.50			-0.52
HTL	HE	95.3	IAML			02:35	37.16	21	0.22	
HTL	HN	95.3	IAML			02:35	37.20	19	0.24	
STRD	HZ	96.0	EP			02:35	24.35			-0.26
STRD	HN	96.0	IAML			02:35	36.93	48	0.12	
STRD	HE	96.0	IAML			02:35	37.23	28	0.17	
HLM1	HZ	111.0	EP			02:35	26.95			-0.03
HLM1	HN	111.0	ES			02:35	40.28			-0.08
HLM1	HE	111.0	IAML			02:35	43.71	36	0.28	
HLM1	HN	111.0	IAML			02:35	43.75	30	0.20	
SWN1	HZ	120.0	EP			02:35	28.64			0.33
SWN1	HN	120.0	ES			02:35	43.53			0.88
SWN1	HN	120.0	IAML			02:35	44.08	71	0.26	
SWN1	HE	120.0	IAML			02:35	44.12	27	0.13	
FOEL	HZ	145.0	EP			02:35	32.79			0.75
FOEL	HE	145.0	ES			02:35	49.83			0.72
FOEL	HE	145.0	IAML			02:35	50.50	24	0.22	
FOEL	HN	145.0	IAML			02:35	50.65	19	0.18	
STNC	HZ	188.0	EP			02:35	38.78			0.89
CWF	HZ	197.0	EP			02:35	38.51			-0.49
CWF	HN	197.0	IAML			02:36	02.48	15	0.28	
CWF	HE	197.0	IAML			02:36	03.41	15	0.14	

January 6 2020 Time: 03:56 23.0 UTC Magnitude: 1.4 ML
Lat: 51.119 Lon: -3.009 Depth: 3.5 km
Grid Ref: 329.39 kmE 136.07 kmN RMS: 0.20 secs
Locality: BRIDGWATER,SOMERSET
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MONM	HZ	81.4	EP			03:56	37.04			0.00
MONM	HN	81.4	ES			03:56	47.31			0.02
MONM	HN	81.4	IAML			03:56	47.45	22	0.16	
MONM	HE	81.4	IAML			03:56	47.51	24	0.14	
STRD	HZ	93.8	EP			03:56	38.69			-0.29
STRD	HE	93.8	IAML			03:56	51.38	12	0.11	
STRD	HN	93.8	IAML			03:56	52.18	11	0.29	
SWN1	HZ	95.0	EP			03:56	39.00			-0.16
SWN1	HN	95.0	ES			03:56	51.14			0.19
SWN1	HN	95.0	IAML			03:56	51.69	8	0.14	
SWN1	HE	95.0	IAML			03:56	51.77	7	0.19	
MCH1	HZ	97.8	EP			03:56	39.83			0.24
MCH1	HE	97.8	ES			03:56	51.65			-0.05
MCH1	HE	97.8	IAML			03:56	51.89	18	0.32	
MCH1	HN	97.8	IAML			03:56	52.00	34	0.14	
HTL	HZ	104.0	EP			03:56	40.79			0.20
HTL	HE	104.0	ES			03:56	53.31			-0.13
HTL	HN	104.0	IAML			03:56	56.52	13	0.22	
HTL	HE	104.0	IAML			03:56	56.70	6	0.12	
HLM1	HZ	156.0	EP			03:56	48.39			0.00
HLM1	HN	156.0	ES			03:57	06.88			-0.04
HLM1	HE	156.0	IAML			03:57	07.92	5	0.18	
HLM1	HN	156.0	IAML			03:57	09.57	6	0.16	

January 7 2020 Time: 10:36 46.3 UTC Magnitude: 2.3 ML
Lat: 57.142 Lon: -5.482 Depth: 6.4 km
Grid Ref: 189.36 kmE 811.04 kmN RMS: 0.30 secs
Locality: ARNISDALE,HIGHLAND
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0
Comment: FELT ARNISDALE Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	24.2	IP		C	10:36	51.13			0.18
KPL	HN	24.2	ES			10:36	54.04			-0.29
KPL	HN	24.2	IAML			10:36	54.38	363	0.18	
KPL	HE	24.2	IAML			10:36	54.39	704	0.26	
LAWE	HZ	98.3	EP			10:37	02.93			0.42
LAWE	HE	98.3	ES			10:37	14.02			-0.31
LAWE	HN	98.3	IAML			10:37	17.51	283	0.20	
LAWE	HE	98.3	IAML			10:37	17.55	213	0.16	
INVG	HZ	119.0	EP			10:37	06.06			0.39
INVG	HN	119.0	ES			10:37	19.46			-0.34
INVG	HE	119.0	IAML			10:37	21.09	48	0.11	
INVG	HN	119.0	IAML			10:37	21.17	54	0.13	
LEWI	HZ	139.0	EP			10:37	08.88			0.20
LEWI	HN	139.0	ES			10:37	24.80			-0.20
LEWI	HN	139.0	IAML			10:37	25.42	51	0.24	
LEWI	HE	139.0	IAML			10:37	25.48	52	0.16	
MCD	HZ	143.0	EP			10:37	08.85			-0.36
MCD	HN	143.0	IAML			10:37	26.92	42	0.26	
MCD	HE	143.0	IAML			10:37	28.05	48	0.17	
BIGH	HN	177.0	ES			10:37	34.32			0.26
BIGH	HE	177.0	IAML			10:37	36.96	51	0.14	
BIGH	HN	177.0	IAML			10:37	37.15	78	0.16	
DRUM	HZ	184.0	EP			10:37	14.81			0.05
DRUM	HE	184.0	IAML			10:37	41.24	24	0.27	
DRUM	HN	184.0	IAML			10:37	41.64	25	0.13	

January 8 2020 Time: 21:00 32.9 UTC Magnitude: 0.8 ML
Lat: 52.120 Lon: -2.338 Depth: 7.8 km
Grid Ref: 376.86 kmE 246.95 kmN RMS: 0.30 secs
Locality: MALVERN,WORCESTERSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
STRD	HZ	40.1	EP			21:00	40.08			0.05
MONM	HZ	44.7	EP			21:00	40.68			-0.05
MONM	HN	44.7	ES			21:00	46.64			0.21
MONM	HN	44.7	IAML			21:00	46.91	14	0.10	
MONM	HE	44.7	IAML			21:00	46.93	11	0.12	
MCH1	HZ	47.3	IP		C	21:00	41.06			-0.09
MCH1	HN	47.3	ES			21:00	46.85			-0.30
MCH1	HN	47.3	IAML			21:00	46.96	6	0.24	
MCH1	HE	47.3	IAML			21:00	46.96	8	0.16	
HLM1	HZ	57.8	EP			21:00	42.57			-0.24
HLM1	HE	57.8	ES			21:00	49.65			-0.37
HLM1	HN	57.8	IAML			21:00	49.95	4	0.10	
HLM1	HE	57.8	IAML			21:00	50.09	6	0.14	
CWF	HZ	98.2	EP			21:00	49.23			0.19
CWF	HE	98.2	ES			21:01	00.48			-0.32
FOEL	HZ	104.0	EP			21:00	50.41			0.47
FOEL	HN	104.0	ES			21:01	02.88			0.52

TABLE 2 : PHASE DATA

January 11 2020 Time: 17:13 30.9 UTC Magnitude: 0.9 ML
Lat: 53.385 Lon: -4.408 Depth: 16.0 km
Grid Ref: 239.87 kmE 390.30 kmN RMS: 0.00 secs
Locality: BODEWRYD,ANGLESEY
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WPS	HZ	6.3	EP			17:13	33.92			-0.02
WPS	HN	6.3	ES			17:13	36.15			0.01
WPS	HN	6.3	IAML			17:13	36.36	23	0.08	
WPS	HE	6.3	IAML			17:13	36.48	23	0.07	
WME	EZ	7.1	IP		D	17:13	34.02			0.00
WLF1	HZ	10.7	EP			17:13	34.32			0.02
WLF1	HN	10.7	ES			17:13	36.73			-0.01
WLF1	HN	10.7	IAML			17:13	37.18	48	0.10	
WLF1	HE	10.7	IAML			17:13	37.20	80	0.12	

January 15 2020 Time: 20:27 48.0 UTC Magnitude: 1.9 ML
Lat: 54.353 Lon: -0.571 Depth: 24.1 km
Grid Ref: 492.86 kmE 496.23 kmN RMS: 0.10 secs
Locality: FYLINGDALES,N YORKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AU18	HZ	14.7	IP		C	20:27	52.62			-0.09
AU18	HE	14.7	ES			20:27	56.11			-0.01
AU18	HE	14.7	IAML			20:27	56.54	90	0.28	
AU18	HN	14.7	IAML			20:27	56.78	184	0.34	
AU20	HZ	15.6	IP		C	20:27	52.83			0.03
AU20	HN	15.6	ES			20:27	56.44			0.17
AU20	HN	15.6	IAML			20:27	56.66	267	0.13	
AU20	HE	15.6	IAML			20:27	56.75	176	0.13	
GDLE	HZ	17.6	IP		C	20:27	53.19			0.19
GDLE	HN	17.6	ES			20:27	56.45			-0.17
GDLE	HN	17.6	IAML			20:27	57.31	644	0.22	
GDLE	HE	17.6	IAML			20:27	57.40	438	0.14	
AU16	EZ	20.2	IP		C	20:27	53.18			-0.02
AU16	E1	20.2	ES			20:27	56.95			-0.03
AV06	HZ	21.9	IP		D	20:27	53.44			0.03
AU14	EZ	23.8	IP		C	20:27	53.52			-0.07
AU14	E2	23.8	IAML			20:27	58.23	133	0.41	
AU14	E1	23.8	IAML			20:27	58.64	51	0.15	
AU15	HZ	24.4	IP		C	20:27	53.68			0.02
AU15	HE	24.4	IAML			20:27	58.16	115	0.22	
AU15	HN	24.4	IAML			20:27	58.43	134	0.17	
AU08	HZ	26.1	IP		C	20:27	53.84			-0.05
AU11	HZ	29.2	IP		C	20:27	54.23			0.01
AU09	HZ	31.1	IP		C	20:27	54.44			-0.03
AU07	HZ	36.9	IP		C	20:27	55.22			0.02

January 17 2020 Time: 07:45 43.0 UTC Magnitude: 1.0 ML
Lat: 56.134 Lon: -3.863 Depth: 7.8 km
Grid Ref: 284.23 kmE 695.03 kmN RMS: 0.10 secs
Locality: TULLIBODY,CLACKS
Velocity model: Lownet Xnear: 50.0 Xfar: 100.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	34.5	EP			07:45	49.24			0.04
INVG	HE	34.5	ES			07:45	53.71			-0.06
INVG	HE	34.5	IAML			07:45	53.94	10	0.18	
INVG	HN	34.5	IAML			07:45	55.99	11	0.50	
EDI	HZ	48.2	EP			07:45	51.46			0.17
EDI	HN	48.2	ES			07:45	57.25			-0.13
EDI	HE	48.2	IAML			07:45	57.48	11	0.10	
EDI	HN	48.2	IAML			07:45	57.70	10	0.33	
PGB1	HZ	52.8	EP			07:45	52.04			0.02
PGB1	HE	52.8	ES			07:45	58.60			-0.04
PGB1	HE	52.8	IAML			07:45	58.83	23	0.18	
PGB1	HN	52.8	IAML			07:45	58.87	34	0.22	
LAWE	HZ	96.4	EP			07:45	58.76			0.00
LAWE	HN	96.4	ES			07:46	10.51			0.21
LAWE	HE	96.4	IAML			07:46	11.19	4	0.14	
LAWE	HN	96.4	IAML			07:46	11.38	7	0.24	

January 21 2020 Time: 11:59 09.1 UTC Magnitude: 1.1 ML
Lat: 56.107 Lon: -4.019 Depth: 7.7 km
Grid Ref: 274.45 kmE 692.30 kmN RMS: 0.30 secs
Locality: CAMBUSBARRON,STIRLING
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	35.7	EP			11:59	15.54			-0.05
INVG	HN	35.7	ES			11:59	20.11			-0.22
INVG	HE	35.7	IAML			11:59	20.37	11	0.18	
INVG	HN	35.7	IAML			11:59	21.07	12	0.32	
PGB1	HZ	43.9	EP			11:59	16.80			-0.03
PGB1	HN	43.9	ES			11:59	22.37			-0.11
PGB1	HN	43.9	IAML			11:59	22.54	40	0.26	
PGB1	HE	43.9	IAML			11:59	23.12	35	0.19	
EDI	HN	55.7	ES			11:59	25.46			-0.14
EDI	HN	55.7	IAML			11:59	25.76	9	0.26	
EDI	HE	55.7	IAML			11:59	27.18	11	0.32	
LAWE	HZ	87.4	EP			11:59	23.82			0.28
LAWE	HN	87.4	ES			11:59	33.98			-0.10
LAWE	HN	87.4	IAML			11:59	36.72	12	0.16	
LAWE	HE	87.4	IAML			11:59	37.24	10	0.18	
ESK	HZ	102.0	EP			11:59	26.68			0.89
ESK	HN	102.0	ES			11:59	37.63			-0.35
ESK	HE	102.0	IAML			11:59	40.71	4	0.32	
ESK	HN	102.0	IAML			11:59	40.88	4	0.16	
NEWG	HZ	111.0	EP			11:59	27.26			0.17
NEWG	HE	111.0	ES			11:59	39.87			-0.34
NEWG	HE	111.0	IAML			11:59	42.60	5	0.17	
NEWG	HN	111.0	IAML			11:59	42.66	4	0.11	

January 22 2020 Time: 17:25 20.2 UTC Magnitude: 0.6 ML
Lat: 56.101 Lon: -4.015 Depth: 7.8 km
Grid Ref: 274.68 kmE 691.63 kmN RMS: 0.20 secs
Locality: CAMBUSBARRON,STIRLING
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	36.3	EP			17:25	26.74			0.03
INVG	HE	36.3	ES			17:25	31.40			-0.08
INVG	HE	36.3	IAML			17:25	31.73	3	0.26	
INVG	HN	36.3	IAML			17:25	32.19	4	0.24	
PGB1	HZ	43.6	EP			17:25	27.52			-0.31
PGB1	HN	43.6	ES			17:25	33.53			0.13
PGB1	HN	43.6	IAML			17:25	33.60	11	0.20	
PGB1	HE	43.6	IAML			17:25	33.92	10	0.54	
LAWE	HZ	87.8	EP			17:25	34.89			0.23
LAWE	HN	87.8	ES			17:25	45.11			-0.12
LAWE	HN	87.8	IAML			17:25	47.97	4	0.16	
LAWE	HE	87.8	IAML			17:25	48.38	4	0.20	
ESK	HN	101.0	ES			17:25	48.81			-0.04
ESK	HE	101.0	IAML			17:25	52.04	2	0.34	
ESK	HN	101.0	IAML			17:25	52.13	1	0.10	
NEWG	HZ	110.0	EP			17:25	38.53			0.36
NEWG	HN	110.0	ES			17:25	51.11			-0.19
NEWG	HE	110.0	IAML			17:25	53.77	2	0.17	
NEWG	HN	110.0	IAML			17:25	54.06	1	0.10	

January 23 2020 Time: 05:57 00.3 UTC Magnitude: 3.1 ML
Lat: 54.594 Lon: -1.314 Depth: 4.6 km
Grid Ref: 444.32 kmE 522.32 kmN RMS: 0.10 secs
Locality: STOCKTON,COUNTY DURHAM
Velocity model: Lownet Xnear: 50.0 Xfar: 100.0
Comment: FELT STOCKTON... Intensity: 5

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AT12	HZ	8.8	IP		C	05:57	02.35			-0.03
AT12	HN	8.8	ES			05:57	03.89			0.03
AT12	HZ	8.8	AMPG			05:57	02.46	4334	0.12	
AT12	HT	8.8	AMSG			05:57	04.00	23106	0.17	
AT12	HN	8.8	IAML			05:57	04.06	20647	0.14	
AT12	HE	8.8	IAML			05:57	04.81	23620	0.19	
AT10	HZ	26.5	IP		D	05:57	05.16			-0.22
AT10	HE	26.5	ES			05:57	08.90			-0.15
AT10	HZ	26.5	AMPG			05:57	05.45	1409	0.27	
AT10	HT	26.5	AMSG			05:57	09.23	10544	0.30	
AT10	HN	26.5	IAML			05:57	09.32	4011	0.28	
AT10	HE	26.5	IAML			05:57	09.42	8030	0.23	
AS10	HZ	33.8	IP		C	05:57	06.67			0.09
AS10	HN	33.8	ES			05:57	11.20			0.07
AS10	HZ	33.8	AMPG			05:57	06.75	329	0.14	
AS10	HT	33.8	AMSG			05:57	11.59	1039	0.28	
AS10	HN	33.8	IAML			05:57	13.15	1657	0.28	
AS10	HE	33.8	IAML			05:57	16.18	2003	0.27	
GDLE	HZ	37.5	IP		D	05:57	07.06			-0.16
GDLE	HN	37.5	ES			05:57	12.32			0.08
GDLE	HZ	37.5	AMPG			05:57	07.35	326	0.14	
GDLE	HT	37.5	AMSG			05:57	12.65	2711	0.32	
GDLE	HE	37.5	IAML			05:57	14.68	1857	0.31	
GDLE	HN	37.5	IAML			05:57	14.93	2687	0.32	
AU20	HZ	48.0	IP		D	05:57	08.81			-0.06
AU20	HN	48.0	IAML			05:57	20.88	731	0.30	
AU20	HE	48.0	IAML			05:57	22.01	609	0.40	
EDMD	HZ	49.4	EP		D	05:57	09.04			-0.01
EDMD	HN	49.4	ES			05:57	15.22			-0.19
EDMD	HN	49.4	IAML			05:57	16.01	664	0.15	
EDMD	HE	49.4	IAML			05:57	16.58	807	0.14	
AU15	HZ	49.5	IP		D	05:57	09.06			-0.02
AU15	HN	49.5	IAML			05:57	22.28	773	0.56	
AU15	HE	49.5	IAML			05:57	22.40	789	0.44	
AU11	HZ	50.6	IP		D	05:57	09.23			-0.02
AU16	EZ	51.2	IP		D	05:57	09.36			0.02
AU14	EZ	53.6	IP		D	05:57	09.74			0.03
AU10	EZ	54.8	IP		D	05:57	09.92			0.03
AU18	HZ	55.0	IP		D	05:57	09.97			0.04
AU18	HN	55.0	IAML			05:57	24.26	628	0.68	
AU18	HE	55.0	IAML			05:57	24.38	644	0.48	
AU13	HZ	55.4	IP		D	05:57	10.05			0.06
AS07	HZ	55.5	IP		C	05:57	09.94			-0.13
AU07	HZ	58.4	IP		D	05:57	10.67			0.20
AU08	HZ	67.4	IP		D	05:57	12.17			0.30
AV06	HZ	72.2	IP		D	05:57	13.08			0.45
HPK	HZ	73.6	IP		C	05:57	13.02			0.17
HPK	HN	73.6	ES			05:57	21.68			-0.29
HPK	HN	73.6	IAML			05:57	26.45	1470	0.19	
HPK	HE	73.6	IAML			05:57	27.32	1047	0.23	
AR05	HZ	81.3	EP		C	05:57	14.21			0.16
AR09	HZ	83.9	IP		C	05:57	14.63			0.14
AU05	HZ	86.6	EP			05:57	14.98			0.16
AQ12	HZ	94.7	EP		C	05:57	16.01			-0.15

TABLE 2 : PHASE DATA

AQ12	HN	94.7	EP		05:57	16.08			-0.08
AR07	HZ	99.9	IP	C	05:57	17.33			0.40
AR07	HN	99.9	IAML		05:57	31.64	654	0.33	
AR07	HE	99.9	IAML		05:57	32.12	512	0.12	
KESW	HZ	116.0	EP		05:57	19.90			0.50
KESW	HN	116.0	IAML		05:57	36.11	204	0.30	
KESW	HE	116.0	IAML		05:57	37.44	162	0.27	
AR01	HZ	120.0	EP		05:57	20.76			0.72
AR01	HN	120.0	IAML		05:57	37.34	473	0.20	
AR01	HE	120.0	IAML		05:57	37.78	396	0.18	
AQ07	HZ	122.0	EP		05:57	20.18			-0.08
AQ07	HN	122.0	IAML		05:57	38.25	827	0.50	
AQ07	HE	122.0	IAML		05:57	38.44	930	0.16	
AQ10	HN	124.0	IAML		05:57	37.51	430	0.28	
AQ10	HE	124.0	IAML		05:57	40.18	424	0.26	
AS02	HZ	124.0	EP	C	05:57	21.14			0.50
AS02	HN	124.0	IAML		05:57	37.36	537	0.22	
AS02	HE	124.0	IAML		05:57	37.72	1118	0.20	
AQ10	HZ	124.0	EP	C	05:57	21.19			0.53
AP12	HZ	131.0	EP		05:57	22.04			0.38
LBWR	HZ	135.0	EP		05:57	22.92			0.54
AQ06	HZ	135.0	EP		05:57	23.08			0.85
AQ06	HN	135.0	IAML		05:57	45.70	548	0.44	
AQ06	HE	135.0	IAML		05:57	41.89	427	0.15	
AQ05	HZ	139.0	EP		05:57	23.23			0.48
AQ05	HN	139.0	IAML		05:57	43.02	604	0.14	
AQ05	HE	139.0	IAML		05:57	42.01	596	0.24	
AQ03	HZ	139.0	EP		05:57	23.30			0.55
AQ03	HN	139.0	IAML		05:57	43.11	557	0.13	
AQ03	HE	139.0	IAML		05:57	45.07	562	0.39	
AQ04	HZ	141.0	EP		05:57	24.13			0.98
AQ04	HN	141.0	IAML		05:57	44.97	356	0.24	
AQ04	HE	141.0	IAML		05:57	45.29	456	0.28	
LMK	HZ	142.0	EP		05:57	23.94			0.64
ESK	HZ	145.0	EP		05:57	24.10			0.31
ESK	HN	145.0	IAML		05:57	43.00	143	0.32	
ESK	HE	145.0	IAML		05:57	43.93	121	0.20	
EDI	HZ	190.0	EP		05:57	30.78			1.00
CWF	HZ	206.0	EP		05:57	31.27			-0.59
IOMK	HZ	214.0	EP		05:57	32.11			-0.72
GAL1	HZ	221.0	EP		05:57	33.08			-0.56
HLM1	HZ	253.0	EP		05:57	37.41			-0.34
DRUM	HZ	268.0	EP		05:57	39.74			0.14

January 24 2020 Time: 00:59 20.1 UTC Magnitude: 0.7 ML
Lat: 56.930 Lon: -5.849 Depth: 5.9 km
Grid Ref: 165.84 kmE 788.66 kmN RMS: 0.40 secs
Locality: ARISAIG,HIGHLAND
Velocity model: Lownet Xnear: 125.0 Xfar: 250.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	47.1	EP			00:59	28.19			-0.19
KPL	HN	47.1	ES			00:59	33.83			-0.58
KPL	HE	47.1	IAML			00:59	34.21	5	0.22	
KPL	HN	47.1	IAML			00:59	34.29	3	0.18	
LAWE	HN	79.6	ES			00:59	42.70			-0.47
LAWE	HN	79.6	IAML			00:59	43.28	3	0.09	
LAWE	HE	79.6	IAML			00:59	43.83	3	0.16	
INVG	HZ	124.0	EP			00:59	40.67			0.31
INVG	HN	124.0	ES			00:59	55.43			0.30
INVG	HN	124.0	IAML			00:59	57.37	2	0.10	
INVG	HE	124.0	IAML			00:59	58.06	2	0.10	
LINV	HZ	141.0	EP			00:59	43.15			0.37
LINV	HE	141.0	IAML			01:00	00.41	2	0.25	
LINV	HN	141.0	IAML			01:00	00.51	1	0.22	
LEWI	HN	148.0	ES			01:00	01.73			0.52
LEWI	HN	148.0	IAML			01:00	02.37	3	0.29	
LEWI	HE	148.0	IAML			01:00	02.87	4	0.54	

January 26 2020 Time: 15:48 22.2 UTC Magnitude: 1.1 ML
Lat: 56.934 Lon: -5.852 Depth: 6.8 km
Grid Ref: 165.68 kmE 789.11 kmN RMS: 0.30 secs
Locality: ARISAIG,HIGHLAND
Velocity model: Lownet Xnear: 125.0 Xfar: 250.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	46.7	EP			15:48	30.11			-0.25
KPL	HN	46.7	ES			15:48	35.79			-0.51
KPL	HE	46.7	IAML			15:48	36.31	11	0.21	
KPL	HN	46.7	IAML			15:48	36.31	5	0.18	
LAWE	HZ	80.0	EP			15:48	35.64			0.10
LAWE	HE	80.0	ES			15:48	44.71			-0.56
LAWE	HE	80.0	IAML			15:48	45.75	9	0.14	
LAWE	HN	80.0	IAML			15:48	46.28	8	0.16	
INVG	HZ	124.0	EP			15:48	42.69			0.24
INVG	HN	124.0	ES			15:48	57.60			0.39
INVG	HN	124.0	IAML			15:48	59.35	5	0.12	
INVG	HE	124.0	IAML			15:49	00.05	5	0.10	
LINV	HZ	141.0	EP			15:48	44.85			0.11
LINV	HE	141.0	ES			15:49	01.21			0.03
LINV	HE	141.0	IAML			15:49	02.41	6	0.18	
LINV	HN	141.0	IAML			15:49	02.50	3	0.13	
LEWI	HZ	148.0	EP			15:48	46.13			0.31
LEWI	HN	148.0	ES			15:49	03.48			0.43
LEWI	HN	148.0	IAML			15:49	04.33	4	0.14	
LEWI	HE	148.0	IAML			15:49	04.62	5	0.26	

January 26 2020 Time: 22:27 19.5 UTC Magnitude: 1.0 ML
Lat: 55.236 Lon: -6.110 Depth: 3.9 km
Grid Ref: 138.74 kmE 601.24 kmN RMS: 0.10 secs
Locality: FAIR HEAD,CO ANTRIM
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: OFFSHORE LOCATION

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CLGH	HZ	17.1	EP			22:27	23.09			0.14
CLGH	HN	17.1	ES			22:27	25.30			-0.13
CLGH	HN	17.1	IAML			22:27	25.52	97	0.10	
CLGH	HE	17.1	IAML			22:27	25.53	56	0.10	
IDGL	HZ	91.2	EP			22:27	34.88			0.01
IDGL	HE	91.2	IAML			22:27	48.43	3	0.16	
IDGL	HN	91.2	IAML			22:27	49.76	4	0.18	
GAL1	HZ	98.4	EP			22:27	36.07			0.08
GAL1	HE	98.4	IAML			22:27	49.81	5	0.17	
GAL1	HN	98.4	IAML			22:27	49.88	6	0.12	
NEWG	HZ	120.0	EP			22:27	39.36			-0.06
NEWG	HE	120.0	IAML			22:27	54.98	8	0.12	
NEWG	HN	120.0	IAML			22:27	55.38	7	0.20	
PGB1	HN	121.0	ES			22:27	54.08			0.00
LAWE	HZ	122.0	EP			22:27	39.60			-0.11
LAWE	HN	122.0	IAML			22:27	56.69	2	0.21	
LAWE	HE	122.0	IAML			22:27	57.80	3	0.12	

January 29 2020 Time: 07:27 41.1 UTC Magnitude: 1.1 ML
Lat: 55.229 Lon: -6.098 Depth: 4.9 km
Grid Ref: 139.45 kmE 600.42 kmN RMS: 0.10 secs
Locality: FAIR HEAD,CO ANTRIM
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: OFFSHORE LOCATION

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CLGH	HZ	16.3	EP			07:27	44.52			0.09
CLGH	HN	16.3	ES			07:27	46.72			-0.14
CLGH	HN	16.3	IAML			07:27	46.90	57	0.05	
CLGH	HE	16.3	IAML			07:27	47.01	53	0.14	
IDGL	HZ	91.7	EP			07:27	56.28			-0.01
IDGL	HN	91.7	IAML			07:28	09.63	4	0.13	
IDGL	HE	91.7	IAML			07:28	10.21	3	0.19	
GAL1	HZ	97.4	EP			07:27	57.45			0.28
GAL1	HN	97.4	ES			07:28	08.78			-0.13
GAL1	HN	97.4	IAML			07:28	10.99	5	0.16	
GAL1	HE	97.4	IAML			07:28	11.11	3	0.10	
NEWG	HZ	120.0	EP			07:28	00.74			0.11
NEWG	HE	120.0	IAML			07:28	16.46	5	0.24	
NEWG	HN	120.0	IAML			07:28	16.89	4	0.10	
PGB1	HE	121.0	ES			07:28	15.11			-0.12
PGB1	HE	121.0	IAML			07:28	16.19	18	0.22	
PGB1	HN	121.0	IAML			07:28	16.66	18	0.16	
LAWE	HZ	123.0	EP			07:28	01.00			-0.13
LAWE	HN	123.0	IAML			07:28	17.36	4	0.23	
LAWE	HE	123.0	IAML			07:28	17.53	3	0.17	

January 31 2020 Time: 11:53 33.8 UTC Magnitude: 2.2 ML
Lat: 52.269 Lon: -0.831 Depth: 7.4 km
Grid Ref: 479.76 kmE 264.11 kmN RMS: 0.20 secs
Locality: NORTHAMPTON,NORTHANTS
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0
Comment: FELT KETTERING Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CWF	HZ	61.4	EP			11:53	44.26			0.02
CWF	HE	61.4	IAML			11:53	52.78	120	0.09	
CWF	HN	61.4	IAML			11:53	53.36	94	0.10	
STRD	HZ	107.0	EP			11:53	51.34			0.09
STRD	HN	107.0	IAML			11:54	08.21	53	0.14	
STRD	HE	107.0	IAML			11:54	08.21	48	0.12	
WACR	HZ	111.0	EP			11:53	51.97			0.03
WACR	HN	111.0	ES			11:54	05.06			-0.10
WACR	HN	111.0	IAML			11:54	06.04	74	0.16	
WACR	HE	111.0	IAML			11:54	07.99	65	0.22	
ELMS	HN	126.0	ES			11:54	08.97			-0.10
STNC	HZ	130.0	EP			11:53	54.58			-0.29
STNC	HN	130.0	ES			11:54	10.19			-0.03
STNC	HN	130.0	IAML			11:54	11.41	51	0.28	
STNC	HE	130.0	IAML			11:54	12.76	103	0.28	
LMK	HN	136.0	ES			11:54	12.00			0.33
LMK	HN	136.0	IAML			11:54	14.44	72	0.24	
LMK	HE	136.0	IAML			11:54	16.56	68	0.26	
LBWR	HZ	140.0	EP			11:53	56.20			0.00
LBWR	HE	140.0	IAML			11:54	15.55	50	0.22	
LBWR	HN	140.0	IAML			11:54	16.37	42	0.22	
HLM1	HZ	142.0	EP			11:53	56.70			0.10
HLM1	HN	142.0	ES			11:54	12.96			-0.25
HLM1	HN	142.0	IAML			11:54	13.97	82	0.26	
HLM1	HE	142.0	IAML			11:54	14.43	81	0.20	
MONM	HZ	144.0	EP			11:53	56.86			0.13
MONM	HE	144.0	ES			11:54	13.75			0.31
MONM	HN	144.0	IAML			11:54	14.75	63	0.30	
MONM	HE	144.0	IAML			11:54	15.03	38	0.30	
MCH1	HZ	151.0	EP			11:53	57.81			-0.06
MCH1	HN	151.0	ES			11:54	15.25			-0.17
MCH1	HE	151.0	IAML			11:54	16.27	40	0.26	
MCH1	HN	151.0	IAML			11:54	16.42	47	0.14	

TABLE 2 : PHASE DATA

February 1 2020 Time: 01:19 39.4 UTC Magnitude: 2.7 ML
Lat: 53.314 Lon: 3.163 Depth: 10.0 km
Grid Ref: 743.81 kmE 392.14 kmN RMS: 0.50 secs
Locality: SOUTHERN NORTH SEA
Velocity model: North Sea Xnear: 400.0 Xfar: 600.0
Comment: 130KM NE LOWESTOFT

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WACR	HZ	182.0	EP			01:20	05.73			-0.79
WACR	HN	182.0	ES			01:20	26.41			0.07
WACR	HN	182.0	IAML			01:20	33.31	67	0.22	
WACR	HE	182.0	IAML			01:20	34.81	59	0.24	
ELMS	HZ	200.0	EP			01:20	08.77			0.04
ELMS	HN	200.0	ES			01:20	30.24			0.08
ELMS	HE	200.0	IAML			01:20	40.24	104	0.18	
ELMS	HN	200.0	IAML			01:20	40.42	103	0.16	
BRAD	CZ	233.0	EP			01:20	13.12			0.34
BRAD	CN	233.0	IAML			01:20	51.68	41	0.46	
BRAD	CE	233.0	IAML			01:20	52.36	54	0.30	
LMK	HZ	233.0	EP			01:20	13.51			0.73
LMK	HE	233.0	IAML			01:20	48.41	84	0.40	
LMK	HN	233.0	IAML			01:20	48.53	93	0.38	
CWF	HZ	307.0	EP			01:20	21.50			-0.48
CWF	HN	307.0	IAML			01:21	08.68	18	0.36	
CWF	HE	307.0	IAML			01:21	14.48	12	0.36	

February 1 2020 Time: 01:20 28.4 UTC Magnitude: 2.9 ML
Lat: 53.314 Lon: 3.163 Depth: 10.0 km
Grid Ref: 743.81 kmE 392.14 kmN RMS: 0.50 secs
Locality: SOUTHERN NORTH SEA
Velocity model: North Sea Xnear: 400.0 Xfar: 600.0
Comment: 130KM NE LOWESTOFT

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WACR	HZ	182.0	EP			01:20	54.73			-0.79
WACR	HN	182.0	ES			01:21	15.41			0.07
WACR	HE	182.0	IAML			01:21	24.26	81	0.15	
WACR	HN	182.0	IAML			01:21	25.16	112	0.30	
ELMS	HZ	200.0	EP			01:20	57.77			0.04
ELMS	HN	200.0	ES			01:21	19.24			0.08
ELMS	HE	200.0	IAML			01:21	27.84	148	0.26	
ELMS	HN	200.0	IAML			01:21	35.07	144	0.28	
LMK	HZ	233.0	EP			01:21	02.51			0.73
LMK	HN	233.0	IAML			01:21	44.04	98	0.28	
LMK	HE	233.0	IAML			01:21	43.79	102	0.30	
BRAD	CZ	233.0	EP			01:21	02.12			0.34
BRAD	CN	233.0	IAML			01:21	35.84	61	0.62	
BRAD	CE	233.0	IAML			01:21	32.04	53	0.23	
CWF	HZ	307.0	EP			01:21	10.50			-0.48

February 3 2020 Time: 00:36 10.4 UTC Magnitude: 1.7 ML
Lat: 55.797 Lon: -6.357 Depth: 7.5 km
Grid Ref: 126.96 kmE 664.56 kmN RMS: 0.40 secs
Locality: ISLAY,ARGYLL & BUTE
Velocity model: Lownet Xnear: 125.0 Xfar: 259.0
Comment: FELT ISLAY Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	78.9	EP			00:36	23.09			-0.38
LAWE	HE	78.9	ES			00:36	32.79			-0.25
LAWE	HN	78.9	IAML			00:36	33.97	38	0.18	
LAWE	HE	78.9	IAML			00:36	36.13	43	0.20	
CLGH	HZ	81.0	EP			00:36	24.20			0.38
CLGH	HE	81.0	ES			00:36	32.80			-0.85
CLGH	HE	81.0	IAML			00:36	35.25	33	0.23	
CLGH	HN	81.0	IAML			00:36	36.03	32	0.28	
IDGL	HZ	109.0	EP			00:36	28.19			0.05
IDGL	HN	109.0	ES			00:36	41.16			0.06
IDGL	HE	109.0	IAML			00:36	42.08	17	0.30	
IDGL	HN	109.0	IAML			00:36	42.66	30	0.14	
PGB1	HZ	117.0	EP			00:36	29.65			0.18
PGB1	HN	117.0	ES			00:36	43.41			0.00
PGB1	HN	117.0	IAML			00:36	44.43	72	0.24	
PGB1	HE	117.0	IAML			00:36	45.32	50	0.18	
GAL1	HZ	147.0	EP			00:36	34.24			0.48
GAL1	HE	147.0	ES			00:36	51.00			0.17
GAL1	HE	147.0	IAML			00:36	51.34	9	0.32	
GAL1	HN	147.0	IAML			00:36	52.59	7	0.18	
NEWG	HZ	154.0	EP			00:36	35.08			0.28
NEWG	HN	154.0	IAML			00:36	55.14	11	0.22	
NEWG	HE	154.0	IAML			00:36	55.84	8	0.14	
INVG	HZ	160.0	EP			00:36	36.23			0.59
INVG	HN	160.0	IAML			00:36	56.74	8	0.17	
INVG	HE	160.0	IAML			00:36	57.10	12	0.22	
KPL	HZ	177.0	EP			00:36	37.45			-0.38

February 5 2020 Time: 17:38 35.1 UTC Magnitude: 0.9 ML
Lat: 52.854 Lon: -5.360 Depth: 8.5 km
Grid Ref: 173.81 kmE 333.83 kmN RMS: 0.20 secs
Locality: IRISH SEA
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 70KM SW HOLYHEAD

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WLF1	HZ	80.7	EP			17:38	48.52			0.06
WLF1	HN	80.7	ES			17:38	57.91			-0.31
WLF1	HN	80.7	IAML			17:38	58.42	12	0.21	
WLF1	HE	80.7	IAML			17:38	59.66	7	0.08	
DSB	HZ	80.9	EP			17:38	48.61			0.14
DSB	HN	80.9	ES			17:38	58.14			-0.10
DSB	HN	80.9	IAML			17:38	58.95	3	0.10	
DSB	HE	80.9	IAML			17:39	01.09	3	0.10	
WPS	HZ	83.8	EP			17:38	49.26			0.32
WPS	HN	83.8	ES			17:38	58.71			-0.33
WPS	HN	83.8	IAML			17:38	59.22	3	0.19	
WPS	HE	83.8	IAML			17:39	00.54	2	0.18	
WME	EZ	93.0	EP			17:38	50.82			0.43
RSBS	HZ	109.0	EP			17:38	52.90			0.07
RSBS	HN	109.0	ES			17:39	05.68			-0.10
RSBS	HN	109.0	IAML			17:39	07.19	4	0.11	
RSBS	HE	109.0	IAML			17:39	07.39	5	0.06	
IWEX	HZ	110.0	EP			17:38	52.89			-0.09
IWEX	HN	110.0	ES			17:39	05.90			-0.14
IWEX	HE	110.0	ES			17:39	05.91			
IWEX	HE	110.0	IAML			17:39	08.21	2	0.10	
IWEX	HN	110.0	IAML			17:39	08.61	3	0.12	
FOEL	HZ	145.0	EP			17:38	58.36			0.10
FOEL	HN	145.0	ES			17:39	15.09			-0.08
FOEL	HE	145.0	IAML			17:39	16.86	4	0.23	
FOEL	HN	145.0	IAML			17:39	18.04	5	0.32	

February 7 2020 Time: 03:11 37.4 UTC Magnitude: 0.4 ML
Lat: 56.122 Lon: -3.968 Depth: 7.6 km
Grid Ref: 277.67 kmE 693.88 kmN RMS: 0.20 secs
Locality: CAMBUSBARRON,STIRLING
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	34.3	EP			03:11	43.62			0.02
INVG	HN	34.3	ES			03:11	48.02			-0.12
INVG	HE	34.3	IAML			03:11	48.10	2	0.07	
INVG	HN	34.3	IAML			03:11	48.16	1	0.12	
PGB1	HZ	47.2	EP			03:11	45.56			-0.02
PGB1	HN	47.2	ES			03:11	51.70			0.13
PGB1	HE	47.2	IAML			03:11	53.13	7	0.64	
PGB1	HN	47.2	IAML			03:11	53.86	7	0.44	
EDI	HN	53.4	ES			03:11	52.96			-0.24
EDI	HN	53.4	IAML			03:11	53.09	3	0.22	
EDI	HE	53.4	IAML			03:11	53.53	2	0.24	
LAWE	HN	90.2	ES			03:12	02.96			-0.11
LAWE	HE	90.2	IAML			03:12	03.88	1	0.38	
LAWE	HN	90.2	IAML			03:12	04.33	1	0.18	
ESK	HZ	102.0	EP			03:11	54.31			0.28
ESK	HN	102.0	IAML			03:12	09.08	1	0.35	
ESK	HE	102.0	IAML			03:12	09.19	1	0.10	
NEWG	HZ	113.0	EP			03:11	56.01			0.23
NEWG	HE	113.0	ES			03:12	08.91			-0.29
NEWG	HE	113.0	IAML			03:12	11.18	1	0.13	
NEWG	HN	113.0	IAML			03:12	11.68	1	0.15	
DRUM	HN	127.0	ES			03:12	12.96			0.13
DRUM	HN	127.0	IAML			03:12	14.26	3	0.47	
DRUM	HE	127.0	IAML			03:12	15.58	3	0.63	

February 7 2020 Time: 15:04 52.4 UTC Magnitude: 2.4 ML
Lat: 53.336 Lon: 2.523 Depth: 10.0 km
Grid Ref: 701.06 kmE 391.69 kmN RMS: 0.40 secs
Locality: SOUTHERN NORTH SEA
Velocity model: North Sea Xnear: 400.0 Xfar: 600.0
Comment: 90KM NE CROMER

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WACR	HZ	144.0	EP			15:05	14.14			-0.69
WACR	HE	144.0	ES			15:05	30.47			-0.73
WACR	HN	144.0	IAML			15:05	32.36	67	0.18	
WACR	HE	144.0	IAML			15:05	34.26	50	0.22	
ELMS	HZ	173.0	EP			15:05	18.64			0.26
ELMS	HE	173.0	ES			15:05	37.46			0.11
ELMS	HN	173.0	IAML			15:05	39.53	62	0.27	
ELMS	HE	173.0	IAML			15:05	41.43	95	0.36	
LMK	HN	190.0	ES			15:05	40.88			-0.17
LMK	HN	190.0	IAML			15:05	46.02	86	0.68	
LMK	HE	190.0	IAML			15:05	46.35	64	0.35	
BRAD	CZ	209.0	EP			15:05	23.19			0.34
BRAD	CE	209.0	ES			15:05	44.96			-0.12
BRAD	CE	209.0	IAML			15:05	52.00	28	0.51	
BRAD	CN	209.0	IAML			15:05	57.35	36	0.65	
HLM1	HE	375.0	ES			15:06	21.57			0.81
HLM1	HN	375.0	IAML			15:06	37.99	7	0.42	
HLM1	HE	375.0	IAML			15:06	38.39	7	0.48	
MONM	HN	398.0	ES			15:06	25.67			0.03
MONM	HE	398.0	IAML			15:06	28.22	8	0.22	
MONM	HN	398.0	IAML			15:06	28.30	11	0.22	
MCH1	HE	402.0	ES			15:06	26.79			0.16
MCH1	HN	402.0	IAML			15:06	28.75	5	0.26	
MCH1	HE	402.0	IAML			15:06	28.96	6	0.22	

February 13 2020 Time: 08:44 13.7 UTC Magnitude: 1.2 ML
Lat: 56.462 Lon: -5.369 Depth: 7.2 km
Grid Ref: 192.46 kmE 735.06 kmN RMS: 0.20 secs
Locality: CONNEL,ARGYLL & BUTE
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0
Comment: FELT BARCALDINE Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES

TABLE 2 : PHASE DATA

LAWE	HZ	22.6	IP	D	08:44	18.72			0.13
LAWE	HN	22.6	ES		08:44	22.00			-0.14
LAWE	HE	22.6	IAML		08:44	22.48	40	0.12	
LAWE	HN	22.6	IAML		08:44	22.59	40	0.10	
INVG	HZ	81.8	EP		08:44	27.55			0.32
INVG	HN	81.8	ES		08:44	36.90			-0.19
INVG	HN	81.8	IAML		08:44	39.89	13	0.09	
INVG	HE	81.8	IAML		08:44	40.32	17	0.08	
KPL	HZ	99.2	EP		08:44	29.61			-0.05
KPL	HE	99.2	IAML		08:44	43.47	8	0.30	
KPL	HN	99.2	IAML		08:44	43.51	5	0.13	
LINV	HZ	188.0	EP		08:44	41.60			-0.06

February 13 2020 Time: 19:13 03.3 UTC Magnitude: 1.0 ML
Lat: 53.017 Lon: -5.561 Depth: 10.4 km
Grid Ref: 161.18 kmE 352.60 kmN RMS: 0.10 secs
Locality: IRISH SEA
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 65KM WSW HOLYHEAD

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WLF1	HZ	83.5	EP			19:13	17.06			-0.02
WLF1	HN	83.5	ES			19:13	27.09			-0.07
WLF1	HE	83.5	IAML			19:13	29.00	8	0.38	
WLF1	HN	83.5	IAML			19:13	29.04	7	0.10	
WME	EZ	94.0	EP			19:13	18.84			0.12
RSBS	HN	131.0	ES			19:13	39.40			-0.03
RSBS	HN	131.0	IAML			19:13	39.70	4	1.38	
RSBS	HE	131.0	IAML			19:13	40.80	1	0.16	
IOMK	HZ	153.0	EP			19:13	27.24			-0.12
FOEL	HZ	159.0	EP			19:13	28.03			-0.25
FOEL	HE	159.0	ES			19:13	46.87			0.32

February 17 2020 Time: 08:41 05.0 UTC Magnitude: 0.9 ML
Lat: 56.967 Lon: -5.557 Depth: 7.3 km
Grid Ref: 183.81 kmE 791.81 kmN RMS: 0.20 secs
Locality: LOCH NEVIS,HIGHLAND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	41.8	EP			08:41	12.44			0.07
KPL	HE	41.8	ES			08:41	17.46			-0.27
KPL	HE	41.8	IAML			08:41	17.67	20	0.28	
KPL	HN	41.8	IAML			08:41	17.75	10	0.16	
LAWE	HZ	79.3	EP			08:41	18.38			0.17
LAWE	HN	79.3	ES			08:41	27.66			-0.17
LAWE	HN	79.3	IAML			08:41	30.44	8	0.10	
LAWE	HE	79.3	IAML			08:41	31.34	8	0.15	
INVG	HZ	110.0	EP			08:41	23.15			0.09
INVG	HE	110.0	ES			08:41	36.13			-0.10
INVG	HE	110.0	IAML			08:41	37.36	2	0.12	
INVG	HN	110.0	IAML			08:41	37.90	2	0.10	
LINV	HZ	133.0	EP			08:41	26.89			0.47

February 19 2020 Time: 21:27 19.3 UTC Magnitude: 0.8 ML
Lat: 55.766 Lon: -6.263 Depth: 7.9 km
Grid Ref: 132.64 kmE 660.74 kmN RMS: 0.10 secs
Locality: ISLAY,ARGYLL & BUTE
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CLGH	HZ	76.7	EP			21:27	32.11			0.05
CLGH	HE	76.7	ES			21:27	41.35			-0.03
CLGH	HE	76.7	IAML			21:27	44.25	5	0.12	
CLGH	HN	76.7	IAML			21:27	44.58	6	0.11	
LAWE	HZ	77.0	EP			21:27	32.06			-0.03
LAWE	HN	77.0	ES			21:27	41.40			-0.03
LAWE	HE	77.0	IAML			21:27	45.10	4	0.19	
LAWE	HN	77.0	IAML			21:27	45.42	4	0.12	
IDGL	HZ	111.0	EP			21:27	37.50			0.20
IDGL	HZ	111.0	ES			21:27	50.30			-0.16
KPL	HZ	179.0	EP			21:27	46.96			0.00

February 20 2020 Time: 03:27 41.5 UTC Magnitude: 1.4 ML
Lat: 53.515 Lon: -1.136 Depth: 6.6 km
Grid Ref: 457.28 kmE 402.41 kmN RMS: 0.20 secs
Locality: DONCASTER,S YORKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LBWR	HZ	41.1	EP			03:27	48.97			0.16
LBWR	HE	41.1	ES			03:27	54.50			0.33
LBWR	HN	41.1	IAML			03:27	55.20	18	0.07	
LBWR	HE	41.1	IAML			03:27	55.48	22	0.10	
AS02	HZ	56.5	EP			03:27	51.11			-0.07
AS02	HN	56.5	ES			03:27	58.09			-0.19
AS02	HN	56.5	IAML			03:27	59.30	18	0.11	
AS02	HE	56.5	IAML			03:28	00.25	14	0.12	
AU07	HZ	67.4	EP			03:27	52.89			0.06
AU07	HE	67.4	IAML			03:28	01.90	51	0.29	
AU07	HN	67.4	IAML			03:28	02.80	35	0.21	
AU08	HZ	74.6	EP			03:27	54.01			0.05
AU08	HE	74.6	ES			03:28	03.06			-0.02
AU08	HN	74.6	IAML			03:28	03.70	12	0.17	
AU08	HE	74.6	IAML			03:28	05.18	15	0.11	
STBN	CZ	75.8	EP			03:27	54.00			-0.12
STBN	CE	75.8	ES			03:28	03.36			-0.01
STBN	CE	75.8	IAML			03:28	03.75	22	0.22	
STBN	CN	75.8	IAML			03:28	03.86	15	0.46	
AU11	HZ	77.1	EP			03:27	54.36			0.04
AR05	HE	78.7	ES			03:28	03.78			-0.43
AR05	HE	78.7	IAML			03:28	05.09	22	0.32	
AR05	HN	78.7	IAML			03:28	05.67	26	0.16	
AU14	E1	79.1	ES			03:28	04.06			-0.18
AU14	E1	79.1	IAML			03:28	05.36	12	0.52	
AU14	E2	79.1	IAML			03:28	06.02	10	0.25	
AU15	HZ	81.1	EP			03:27	54.78			-0.17
AR01	HZ	82.7	EP			03:27	55.57			0.34
AR01	HE	82.7	ES			03:28	05.38			0.09
AR01	HE	82.7	IAML			03:28	06.52	13	0.09	
AR01	HN	82.7	IAML			03:28	06.65	14	0.12	
AV06	HN	84.0	ES			03:28	05.82			0.22
AV06	HE	84.0	IAML			03:28	06.91	28	0.16	
AV06	HN	84.0	IAML			03:28	07.26	14	0.16	
AU18	HZ	86.2	EP			03:27	55.71			-0.04
AU18	HN	86.2	ES			03:28	06.30			0.12
AU18	HE	86.2	IAML			03:28	07.11	19	0.24	
AU18	HN	86.2	IAML			03:28	07.41	19	0.36	
CWF	HZ	87.2	EP			03:27	55.67			-0.25
CWF	HE	87.2	IAML			03:28	06.66	10	0.26	
CWF	HN	87.2	IAML			03:28	06.90	11	0.18	
AU20	HN	89.3	ES			03:28	07.10			0.07
AU20	HN	89.3	IAML			03:28	08.03	20	0.13	
AU20	HE	89.3	IAML			03:28	08.16	26	0.14	

February 20 2020 Time: 13:22 31.1 UTC Magnitude: 1.0 ML
Lat: 55.798 Lon: -6.398 Depth: 7.4 km
Grid Ref: 124.40 kmE 664.83 kmN RMS: 0.30 secs
Locality: ISLAY,ARGYLL & BUTE
Velocity model: Lownet Xnear: 125.0 Xfar: 250.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	80.8	EP			13:22	44.32			-0.15
LAWE	HN	80.8	ES			13:22	54.16			-0.09
LAWE	HE	80.8	IAML			13:22	57.28	8	0.20	
LAWE	HN	80.8	IAML			13:22	57.83	7	0.09	
CLGH	HZ	81.6	EP			13:22	44.83			0.22
CLGH	HN	81.6	ES			13:22	54.15			-0.35
CLGH	HE	81.6	IAML			13:22	56.26	10	0.12	
CLGH	HN	81.6	IAML			13:22	56.86	9	0.12	
NEWG	HZ	157.0	EP			13:22	56.49			0.67
NEWG	HE	157.0	IAML			13:23	16.43	1	0.10	
NEWG	HN	157.0	IAML			13:23	17.43	2	0.26	

February 20 2020 Time: 13:50 57.0 UTC Magnitude: 1.6 ML
Lat: 55.816 Lon: -6.349 Depth: 7.1 km
Grid Ref: 127.60 kmE 666.64 kmN RMS: 0.50 secs
Locality: ISLAY,ARGYLL & BUTE
Velocity model: Lownet Xnear: 125.0 Xfar: 250.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	77.1	EP			13:51	09.74			-0.12
LAWE	HE	77.1	ES			13:51	19.38			0.13
LAWE	HE	77.1	IAML			13:51	22.76	37	0.20	
LAWE	HN	77.1	IAML			13:51	23.17	27	0.14	
CLGH	HZ	83.0	EP			13:51	11.28			0.50
CLGH	HE	83.0	IAML			13:51	21.75	50	0.10	
CLGH	HN	83.0	IAML			13:51	22.15	62	0.24	
IDGL	HZ	111.0	EP			13:51	14.92			-0.17
IDGL	HN	111.0	ES			13:51	28.07			-0.22
IDGL	HN	111.0	IAML			13:51	28.59	25	0.28	
IDGL	HE	111.0	IAML			13:51	28.87	18	0.22	
GAL1	HZ	148.0	EP			13:51	20.19			-0.39
GAL1	HE	148.0	ES			13:51	37.69			-0.10
GAL1	HN	148.0	IAML			13:51	38.85	9	0.42	
GAL1	HE	148.0	IAML			13:51	38.86	8	0.36	
NEWG	HZ	155.0	EP			13:51	21.93			0.38
NEWG	HN	155.0	ES			13:51	38.91			-0.56
NEWG	HN	155.0	IAML			13:51	42.79	10	0.24	
NEWG	HE	155.0	IAML			13:51	43.08	4	0.18	
KPL	HZ	175.0	EP			13:51	24.28			0.04
KPL	HN	175.0	IAML			13:51	48.41	4	0.45	
KPL	HE	175.0	IAML			13:51	49.64	6	0.23	
ILTH	HN	199.0	ES			13:51	51.12			1.79
ILTH	HE	199.0	IAML			13:51	52.28	9	0.18	
ILTH	HN	199.0	IAML			13:51	53.64	5	0.24	

February 22 2020 Time: 18:43 02.2 UTC Magnitude: 4.0 ML
Lat: 55.679 Lon: 3.002 Depth: 11.3 km
Grid Ref: 714.37 kmE 654.18 kmN RMS: 0.40 secs
Locality: CENTRAL NORTH SEA
Velocity model: North Sea Xnear: 400.0 Xfar: 600.0
Comment: 270KM NE SCARBOROUGH

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
GDLE	HZ	281.0	EP			18:43	40.85			0.18
GDLE	HN	281.0	IAML			18:44	36.07	1526	0.36	
GDLE	HE	281.0	IAML			18:44	39.60	1420	0.42	
LMK	HZ	328.0	EP			18:43	47.38			0.93
LMK	HN	328.0	IAML			18:44	46.74	816	0.40	
LMK	HE	328.0	IAML			18:44	50.38	753	0.46	
EDMD	HZ	329.0	EP			18:43	46.67			0.04
EDMD	HN	329.0	IAML			18:44	39.52	302	0.62	
EDMD	HE	329.0	IAML			18:44	50.01	582	0.48	
WACR	HZ	363.0	EP			18:43	50.83			-0.04

TABLE 2 : PHASE DATA

WACR	HE	363.0	IAML	18:44	37.00	127	0.24	
WACR	HN	363.0	IAML	18:44	45.93	105	0.20	
DRUM	HZ	366.0	EP	18:43	51.36			0.11
DRUM	HE	366.0	IAML	18:44	52.56	203	0.32	
DRUM	HN	366.0	IAML	18:44	55.38	238	0.42	
AR05	HZ	373.0	EP	18:43	52.12			0.02
AR05	HE	373.0	IAML	18:45	04.67	671	0.52	
AR05	HN	373.0	IAML	18:45	07.36	338	0.52	
AR09	HZ	384.0	EP	18:43	54.23			0.73
EDI	HZ	389.0	EP	18:43	54.42			0.37
EDI	HN	389.0	IAML	18:45	01.89	183	0.44	
EDI	HE	389.0	IAML	18:45	03.38	224	0.58	
AQ12	HZ	393.0	EP	18:43	54.06			-0.47
ESK	HZ	394.0	EP	18:43	54.46			-0.25
ESK	HE	394.0	IAML	18:45	01.19	175	0.60	
ESK	HN	394.0	IAML	18:45	02.84	157	0.30	
LBWR	HZ	397.0	EP	18:43	54.57			-0.51
LBWR	HN	397.0	IAML	18:45	04.66	387	0.42	
LBWR	HE	397.0	IAML	18:45	11.03	344	0.40	
AR07	HZ	398.0	EP	18:43	55.21			0.08
AR07	HN	398.0	IAML	18:45	00.76	421	0.42	
AR07	HE	398.0	IAML	18:45	06.35	438	0.40	
AS02	HZ	400.0	EP	18:43	55.05			-0.32
AS02	HE	400.0	IAML	18:45	06.55	221	0.52	
AS02	HN	400.0	IAML	18:45	08.19	232	0.52	
AR01	HZ	409.0	EP	18:43	56.34			-0.19
AQ07	HZ	418.0	EP	18:43	57.93			0.28
AQ07	HN	418.0	IAML	18:45	09.16	1101	0.46	
AQ07	HE	418.0	IAML	18:45	21.30	865	0.42	
ELMS	HZ	420.0	EP	18:43	57.70			-0.24
ELMS	HN	420.0	IAML	18:45	04.91	204	0.26	
ELMS	HE	420.0	IAML	18:45	11.19	329	0.42	
AQ10	HZ	423.0	EP	18:43	58.54			0.28
CWF	HZ	431.0	EP	18:43	58.87			-0.44
AQ06	HZ	433.0	EP	18:43	59.29			-0.20
AQ06	HE	433.0	IAML	18:45	16.68	453	0.73	
AQ06	HN	433.0	IAML	18:45	17.60	548	0.38	
AQ03	HZ	435.0	EP	18:43	59.52			-0.27
AQ03	HE	435.0	IAML	18:45	19.06	508	0.58	
AQ03	HN	435.0	IAML	18:45	23.74	470	0.47	
AQ05	HZ	437.0	EP	18:43	59.91			-0.05
AQ05	HN	437.0	IAML	18:45	17.09	428	0.71	
AQ05	HE	437.0	IAML	18:45	24.42	296	0.52	
MCD	HZ	438.0	EP	18:44	00.11			-0.09
MCD	HE	438.0	IAML	18:45	13.09	182	0.40	
MCD	HN	438.0	IAML	18:45	13.52	104	0.38	
AQ04	HZ	439.0	EP	18:43	59.85			-0.39
AQ04	HN	439.0	IAML	18:45	17.70	432	0.70	
AQ04	HE	439.0	IAML	18:45	22.01	309	0.38	
BRAD	CZ	460.0	EP	18:44	03.16			0.34
BRAD	CE	460.0	IAML	18:45	15.11	97	0.41	
BRAD	CN	460.0	IAML	18:45	34.01	129	0.65	
BIGH	HZ	523.0	EP	18:44	09.98			-0.70
BIGH	HN	523.0	ES	18:45	00.69			0.00
BIGH	HE	523.0	IAML	18:45	02.93	54	0.32	
BIGH	HN	523.0	IAML	18:45	14.85	48	0.32	
MCH1	HZ	569.0	EP	18:44	15.71			-0.67
MCH1	HE	569.0	IAML	18:45	13.16	59	0.38	
MCH1	HN	569.0	IAML	18:45	14.12	55	0.24	
MONM	HZ	573.0	EP	18:44	16.97			0.01
MONM	HN	573.0	IAML	18:45	15.05	100	0.40	
MONM	HE	573.0	IAML	18:45	17.59	89	0.36	

March 3 2020 Time: 20:33 54.2 UTC Magnitude: 1.1 ML
Lat: 52.834 Lon: -1.173 Depth: 6.5 km
Grid Ref: 455.71 kmE 326.63 kmN RMS: 0.20 secs
Locality: EAST LEAKE,NOTTS
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
STBN	CZ	5.1	EP			20:33	55.80			-0.04
STBN	CN	5.1	ES			20:33	57.26			0.21
CWF	HZ	14.0	EP			20:33	56.98			-0.20
CWF	HE	14.0	ES			20:33	59.10			-0.25
CWF	HN	14.0	IAML			20:33	59.23	27	0.06	
CWF	HE	14.0	IAML			20:33	59.30	63	0.10	
LBWR	HZ	73.2	EP			20:34	06.46			-0.07
LBWR	HN	73.2	ES			20:34	15.61			0.08
LBWR	HE	73.2	IAML			20:34	16.78	9	0.12	
LBWR	HN	73.2	IAML			20:34	16.79	5	0.16	
AS02	HZ	96.8	EP			20:34	10.11			-0.07
AS02	HN	96.8	IAML			20:34	22.48	6	0.24	
AS02	HE	96.8	IAML			20:34	22.86	7	0.18	
HLM1	HZ	121.0	EP			20:34	13.98			0.07
HLM1	HN	121.0	ES			20:34	28.22			-0.09
HLM1	HN	121.0	IAML			20:34	29.75	2	0.14	
HLM1	HE	121.0	IAML			20:34	32.12	2	0.21	
HPK	HZ	129.0	EP			20:34	15.30			0.23
HPK	HN	129.0	ES			20:34	29.99			-0.32
HPK	HN	129.0	IAML			20:34	30.80	12	0.18	
HPK	HE	129.0	IAML			20:34	31.35	10	0.16	
MCH1	HZ	155.0	EP			20:34	19.31			0.46
MCH1	HN	155.0	IAML			20:34	37.63	4	0.17	
MCH1	HE	155.0	IAML			20:34	37.72	5	0.19	

March 12 2020 Time: 23:25 35.7 UTC Magnitude: 1.3 ML
Lat: 53.537 Lon: -2.283 Depth: 13.4 km
Grid Ref: 381.25 kmE 404.55 kmN RMS: 0.10 secs
Locality: PRESTWICH,GTR MAN
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AR01	HZ	18.8	EP			23:25	39.76			-0.08
AR01	HN	18.8	ES			23:25	42.79			-0.06
AR01	HN	18.8	IAML			23:25	43.00	37	0.20	
AR01	HE	18.8	IAML			23:25	43.35	30	0.10	
AS02	HN	19.8	ES			23:25	43.20			0.11
AS02	HN	19.8	IAML			23:25	43.34	54	0.13	
AS02	HE	19.8	IAML			23:25	43.35	52	0.10	
AQ01	HN	34.8	ES			23:25	46.67			-0.06
LBWR	HE	40.0	ES			23:25	48.15			-0.06
LBWR	HE	40.0	IAML			23:25	49.76	24	0.11	
LBWR	HN	40.0	IAML			23:25	49.78	22	0.26	
AQ02	HN	44.0	ES			23:25	49.28			0.13
AQ02	HN	44.0	IAML			23:25	49.41	90	0.16	
AQ02	HE	44.0	IAML			23:25	49.47	55	0.21	
AR05	HN	53.4	ES			23:25	51.74			0.02
AR05	HE	53.4	IAML			23:25	52.09	19	0.19	
AR05	HN	53.4	IAML			23:25	52.13	23	0.28	
HPK	HN	63.9	ES			23:25	54.49			-0.01
HPK	HN	63.9	IAML			23:25	54.85	35	0.20	
HPK	HE	63.9	IAML			23:25	55.23	25	0.20	

March 12 2020 Time: 23:26 20.8 UTC Magnitude: 1.6 ML
Lat: 53.539 Lon: -2.280 Depth: 12.9 km
Grid Ref: 381.45 kmE 404.77 kmN RMS: 0.10 secs
Locality: PRESTWICH,GTR MAN
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AR01	HZ	18.6	EP			23:26	24.80			-0.06
AR01	HN	18.6	ES			23:26	27.69			-0.11
AR01	HN	18.6	IAML			23:26	28.01	52	0.20	
AR01	HE	18.6	IAML			23:26	28.07	59	0.14	
AS02	HN	19.6	ES			23:26	28.19			0.16
AS02	HE	19.6	IAML			23:26	28.34	133	0.10	
AS02	HN	19.6	IAML			23:26	28.35	148	0.15	
AQ01	HN	34.9	ES			23:26	31.66			-0.17
LBWR	HZ	39.9	EP			23:26	27.88			-0.13
LBWR	HE	39.9	ES			23:26	33.21			-0.04
LBWR	HE	39.9	IAML			23:26	34.77	43	0.11	
LBWR	HN	39.9	IAML			23:26	34.78	48	0.26	
AQ07	HN	42.2	ES			23:26	33.91			0.14
AQ07	HN	42.2	IAML			23:26	34.59	64	0.24	
AQ07	HE	42.2	IAML			23:26	34.79	59	0.18	
AQ02	HN	44.1	ES			23:26	34.38			0.13
AQ02	HN	44.1	IAML			23:26	34.42	150	0.12	
AQ02	HE	44.1	IAML			23:26	34.64	102	0.16	
STNC	HZ	50.1	EP			23:26	29.64			0.10
AR05	HN	53.1	ES			23:26	36.76			0.04
AR05	HE	53.1	IAML			23:26	37.10	36	0.19	
AR05	HN	53.1	IAML			23:26	37.25	33	0.25	
HPK	HZ	63.6	EP			23:26	31.61			-0.01
HPK	HN	63.6	ES			23:26	39.44			-0.06
HPK	HN	63.6	IAML			23:26	39.84	48	0.22	
HPK	HE	63.6	IAML			23:26	40.24	47	0.22	

March 14 2020 Time: 04:19 10.5 UTC Magnitude: 1.7 ML
Lat: 52.137 Lon: -2.335 Depth: 5.4 km
Grid Ref: 377.07 kmE 248.84 kmN RMS: 0.30 secs
Locality: MALVERN,WORCESTERSHIRE
Velocity model: Mid Wales Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
STRD	HZ	41.9	IP		D	04:19	17.88			0.13
STRD	HE	41.9	IAML			04:19	24.00	46	0.14	
STRD	HN	41.9	IAML			04:19	24.11	49	0.10	
MONM	HZ	46.3	IP		C	04:19	18.56			0.10
MONM	HN	46.3	ES			04:19	24.39			0.18
MONM	HN	46.3	IAML			04:19	24.67	97	0.12	
MONM	HE	46.3	IAML			04:19	24.70	74	0.13	
MCH1	HZ	48.1	IP		C	04:19	18.82			0.05
MCH1	HN	48.1	ES			04:19	24.54			-0.20
MCH1	HN	48.1	IAML			04:19	24.72	47	0.24	
MCH1	HE	48.1	IAML			04:19	24.78	71	0.16	
OLDB	HN	55.1	ES			04:19	26.18			-0.51
OLDB	HN	55.1	IAML			04:19	26.65	62	0.26	
OLDB	HE	55.1	IAML			04:19	26.71	75	0.38	
HLM1	HZ	56.4	EP			04:19	20.26			0.10
HLM1	HN	56.4	ES			04:19	27.32			0.18
HLM1	HN	56.4	IAML			04:19	27.72	29	0.10	
HLM1	HE	56.4	IAML			04:19	27.84	38	0.10	
CWF	HZ	96.7	EP			04:19	26.76			-0.04
CWF	HE	96.7	ES			04:19	38.04			-0.52
CWF	HN	96.7	IAML			04:19	41.72	16	0.14	
CWF	HE	96.7	IAML			04:19	43.56	14	0.20	
STNC	HZ	107.0	EP			04:19	28.97			0.54
STNC	HE	107.0	IAML			04:19	45.58	66	0.26	
STNC	HN	107.0	IAML			04:19	45.64	49	0.20	
LLW	BZ	120.0	EP			04:19	30.47			0.00
LLW	BN	120.0	ES			04:19	44.39			-0.48
LLW	BN	120.0	IAML			04:19	47.52	8	0.11	

TABLE 2 : PHASE DATA

LLW	BE	120.0	IAML	04:19	47.97	6	0.15	
WOL	BZ	120.0	EP	04:19	30.75			0.36
WOL	BE	120.0	ES	04:19	44.93			0.20
WOL	BN	120.0	IAML	04:19	45.68	38	0.25	
WOL	BE	120.0	IAML	04:19	46.01	18	0.40	
RSBS	HZ	167.0	EP	04:19	37.33			-0.03
RSBS	HN	167.0	ES	04:19	56.60			-0.12
RSBS	HN	167.0	IAML	04:19	58.27	17	0.24	
RSBS	HE	167.0	IAML	04:19	58.75	13	0.10	
WLF1	HZ	189.0	EP	04:19	40.44			0.27
WLF1	HE	189.0	IAML	04:20	03.44	10	0.14	
WLF1	HN	189.0	IAML	04:20	04.38	10	0.10	
HPK	HZ	208.0	EP	04:19	43.01			0.46

March 15 2020 Time: 05:11 49.2 UTC Magnitude: 2.0 ML
Lat: 60.238 Lon: 1.954 Depth: 10.6 km
Grid Ref: 618.85 kmE 1156.91 kmN RMS: 0.30 secs
Locality: NORTHERN NORTH SEA
Velocity model: North Sea Xnear: 500.0 Xfar: 1000.0
Comment: 170KM EAST LERWICK

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LRW	HZ	174.0	EP			05:12	16.16			0.43
LRW	HN	174.0	ES			05:12	35.25			0.16
LRW	HN	174.0	IAML			05:12	38.09	57	0.42	
LRW	HE	174.0	IAML			05:12	39.15	52	0.40	
BER	HZ	188.0	EP			05:12	17.52			0.12
BER	HN	188.0	ES			05:12	37.98			0.00
BER	HN	188.0	IAML			05:12	44.61	9	0.45	
BER	HE	188.0	IAML			05:12	44.75	6	0.36	
FOO	HZ	226.0	EP			05:12	21.78			-0.36
FOO	HN	226.0	ES			05:12	45.80			-0.38
FOO	HE	226.0	IAML			05:12	48.73	5	0.26	
FOO	HN	226.0	IAML			05:12	50.05	4	0.11	
BIGH	HZ	386.0	EP			05:12	41.49			-0.53
BIGH	HN	386.0	ES			05:13	20.21			-0.36
BIGH	HE	386.0	IAML			05:13	42.64	10	0.60	
BIGH	HN	386.0	IAML			05:13	44.52	12	0.74	
MOL	HZ	396.0	EP			05:12	43.80			0.53
MOL	HN	396.0	ES			05:13	22.91			0.18
MOL	HE	396.0	IAML			05:13	23.74	1	0.30	
MOL	HN	396.0	IAML			05:13	25.71	1	0.34	
DRUM	HZ	451.0	EP			05:12	50.00			-0.18
DRUM	HN	451.0	ES			05:13	35.08			0.39
DRUM	HN	451.0	IAML			05:13	37.88	12	0.66	
DRUM	HE	451.0	IAML			05:13	50.96	7	0.46	

March 16 2020 Time: 22:01 00.9 UTC Magnitude: 1.5 ML
Lat: 56.749 Lon: -5.870 Depth: 7.2 km
Grid Ref: 163.42 kmE 768.60 kmN RMS: 0.40 secs
Locality: KENTRA,HIGHLAND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT ACHARACLE... Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	61.7	EP			22:01	11.15			-0.17
LAWE	HE	61.7	ES			22:01	18.53			-0.43
LAWE	HN	61.7	IAML			22:01	18.73	24	0.13	
LAWE	HE	61.7	IAML			22:01	18.78	44	0.14	
KPL	HZ	67.0	EP			22:01	12.06			-0.07
KPL	HE	67.0	ES			22:01	20.15			-0.20
KPL	HN	67.0	IAML			22:01	24.05	24	0.14	
KPL	HE	67.0	IAML			22:01	24.09	17	0.12	
INVG	HZ	118.0	EP			22:01	20.36			0.31
INVG	HN	118.0	ES			22:01	33.91			-0.14
INVG	HE	118.0	IAML			22:01	36.33	26	0.10	
INVG	HN	118.0	IAML			22:01	36.47	14	0.12	
PGB1	HZ	135.0	EP			22:01	23.52			0.93
PGB1	HE	135.0	ES			22:01	39.05			0.60
LINV	HZ	161.0	EP			22:01	27.05			0.81

March 17 2020 Time: 01:42 10.4 UTC Magnitude: 0.4 ML
Lat: 54.211 Lon: -2.940 Depth: 4.8 km
Grid Ref: 338.70 kmE 479.90 kmN RMS: 0.20 secs
Locality: CARTMEL,CUMBRIA
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AP12	HZ	24.0	EP			01:42	15.06			0.12
AP12	HN	24.0	ES			01:42	18.09			-0.19
AP12	HN	24.0	IAML			01:42	18.52	6	0.08	
AP12	HE	24.0	IAML			01:42	18.59	6	0.06	
AQ12	HZ	28.0	EP			01:42	15.89			0.24
AQ12	HN	28.0	ES			01:42	19.36			-0.14
AQ12	HE	28.0	IAML			01:42	19.71	12	0.07	
AQ12	HN	28.0	IAML			01:42	19.82	6	0.13	
KESW	HZ	43.4	EP			01:42	18.46			0.22
KESW	HN	43.4	ES			01:42	23.74			-0.25
KESW	HN	43.4	IAML			01:42	24.22	3	0.22	
KESW	HE	43.4	IAML			01:42	24.54	4	0.34	

March 22 2020 Time: 03:10 09.2 UTC Magnitude: 0.1 ML
Lat: 54.214 Lon: -2.948 Depth: 5.1 km
Grid Ref: 338.19 kmE 480.24 kmN RMS: 0.20 secs
Locality: CARTMEL,CUMBRIA
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AP12	HZ	23.4	EP			03:10	13.80			0.12
AP12	HN	23.4	ES			03:10	16.70			-0.26
AP12	HE	23.4	IAML			03:10	17.09	2	0.15	
AP12	HN	23.4	IAML			03:10	17.27	3	0.07	
AQ12	HZ	27.9	EP			03:10	14.65			0.17
AQ12	HN	27.9	ES			03:10	18.16			-0.18
AQ12	HE	27.9	IAML			03:10	18.63	6	0.08	
AQ12	HN	27.9	IAML			03:10	18.73	3	0.12	
AR09	HZ	33.1	EP			03:10	15.50			0.12
AR09	HN	33.1	ES			03:10	19.82			-0.07
AR07	HN	40.2	ES			03:10	21.62			-0.16
KESW	HZ	42.9	EP			03:10	17.32			0.41
KESW	HN	42.9	ES			03:10	22.38			-0.16
KESW	HE	42.9	IAML			03:10	22.86	4	0.49	
KESW	HN	42.9	IAML			03:10	22.98	2	0.21	

March 24 2020 Time: 00:58 44.8 UTC Magnitude: 0.6 ML
Lat: 53.019 Lon: -2.921 Depth: 7.2 km
Grid Ref: 338.23 kmE 347.29 kmN RMS: 0.40 secs
Locality: MARCHWEIL,WREXHAM
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 5KM SE WREXHAM

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
STNC	HZ	48.6	EP			00:58	53.22			-0.07
STNC	HE	48.6	ES			00:58	59.42			-0.03
STNC	HE	48.6	IAML			00:59	00.69	12	0.13	
STNC	HN	48.6	IAML			00:59	01.19	10	0.26	
LLW	BZ	53.5	EP			00:58	53.85			-0.19
LLW	BE	53.5	ES			00:59	00.03			-0.72
LLW	BN	53.5	IAML			00:59	01.27	2	0.35	
LLW	BE	53.5	IAML			00:59	02.98	2	0.27	
HLM1	HZ	55.8	EP			00:58	54.27			-0.18
HLM1	HN	55.8	ES			00:59	01.45			0.00
HLM1	HE	55.8	IAML			00:59	02.19	4	0.23	
HLM1	HN	55.8	IAML			00:59	02.38	2	0.22	
LBWR	HZ	90.5	EP			00:58	59.62			-0.19
WLF1	HZ	103.0	EP			00:59	02.31			0.58
WLF1	HN	103.0	ES			00:59	14.27			0.22
WLF1	HN	103.0	IAML			00:59	14.63	2	0.08	
WLF1	HE	103.0	IAML			00:59	14.96	2	0.28	
MCH1	HN	114.0	ES			00:59	17.44			0.50
MCH1	HN	114.0	IAML			00:59	20.30	1	0.15	
MCH1	HE	114.0	IAML			00:59	22.20	2	0.17	
LPW	HZ	127.0	EP			00:59	05.90			0.48

March 24 2020 Time: 17:01 32.6 UTC Magnitude: 0.5 ML
Lat: 51.989 Lon: -2.862 Depth: 15.2 km
Grid Ref: 340.81 kmE 232.68 kmN RMS: 0.10 secs
Locality: PONTRILAS,HEREFORDSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 5KM NORTH PONTRILAS

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MCH1	HZ	9.4	EP			17:01	35.69			-0.09
MCH1	HN	9.4	ES			17:01	38.25			0.15
MCH1	HN	9.4	IAML			17:01	38.36	12	0.12	
MCH1	HE	9.4	IAML			17:01	38.39	9	0.20	
MONM	HZ	17.1	EP			17:01	36.37			-0.23
MONM	HN	17.1	ES			17:01	39.52			0.00
MONM	HE	17.1	IAML			17:01	39.65	7	0.16	
MONM	HN	17.1	IAML			17:01	39.66	9	0.13	
STRD	HE	53.7	ES			17:01	48.88			0.15
STRD	HE	53.7	IAML			17:01	48.94	13	0.18	
STRD	HN	53.7	IAML			17:01	49.05	6	0.11	
HLM1	HE	58.9	ES			17:01	50.15			-0.04
HLM1	HE	58.9	IAML			17:01	50.78	4	0.16	
HLM1	HN	58.9	IAML			17:01	51.80	1	0.14	
RSBS	HE	129.0	ES			17:02	08.07			0.12

March 24 2020 Time: 17:19 20.1 UTC Magnitude: 2.3 ML
Lat: 51.985 Lon: -2.886 Depth: 16.1 km
Grid Ref: 339.16 kmE 232.26 kmN RMS: 0.20 secs
Locality: PONTRILAS,HEREFORDSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 4KM NORTH PONTRILAS

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MCH1	HZ	7.8	IP		D	17:19	23.40			0.16
MCH1	HE	7.8	ES			17:19	25.72			0.18
MCH1	HE	7.8	IAML			17:19	26.11	479	0.18	
MCH1	HN	7.8	IAML			17:19	26.13	750	0.12	
MONM	HZ	17.2	IP		D	17:19	24.05			-0.12
MONM	HE	17.2	ES			17:19	27.18			0.03
MONM	HN	17.2	IAML			17:19	27.39	669	0.28	
MONM	HE	17.2	IAML			17:19	27.45	410	0.16	
STRD	HZ	55.0	EP			17:19	29.40			-0.22
STRD	HE	55.0	ES			17:19	36.37			-0.21
HLM1	HZ	59.3	EP			17:19	30.29			-0.02
HLM1	HN	59.3	ES			17:19	37.39			-0.40
HLM1	HN	59.3	IAML			17:19	38.34	83	0.17	
HLM1	HE	59.3	IAML			17:19	38.42	205	0.16	
LPW	HZ	82.3	EP			17:19	33.66			-0.02
LPW	HN	82.3	IAML			17:19	43.93	60	0.22	
LPW	HE	82.3	IAML			17:19	44.31	69	0.07	
SWN1	HZ	91.6	EP			17:19	35.38			0.36
SWN1	HN	91.6	IAML			17:19	47.68	87	0.52	

TABLE 2 : PHASE DATA

SWN1	HE	91.6	IAML	17:19	47.86	84	0.32	
RSBS	HZ	128.0	EP	17:19	40.04			-0.17
RSBS	HE	128.0	IAML	17:19	56.63	105	0.10	
RSBS	HN	128.0	IAML	17:19	57.01	92	0.10	
CWF	HZ	136.0	EP	17:19	41.68			0.26
CWF	HN	136.0	ES	17:19	57.42			0.42
CWF	HN	136.0	IAML	17:19	58.74	62	0.28	
CWF	HE	136.0	IAML	17:19	59.13	60	0.26	
STBN	CZ	146.0	EP	17:19	43.18			0.37
STBN	CN	146.0	IAML	17:20	01.67	45	0.20	
STBN	CE	146.0	IAML	17:20	01.78	84	0.21	
HTL	HZ	156.0	EP	17:19	44.10			-0.08
HTL	HE	156.0	IAML	17:20	03.18	42	0.20	
HTL	HN	156.0	IAML	17:20	03.88	32	0.18	
DYA	HZ	187.0	EP	17:19	47.36			-0.72
DYA	HN	187.0	IAML	17:20	11.82	30	0.16	
DYA	HE	187.0	IAML	17:20	12.34	36	0.26	
SBD	BZ	202.0	EP	17:19	49.20			-0.68
GEL03	CZ	251.0	EP	17:19	54.96			-1.06
GEL03	CN	251.0	IAML	17:20	22.25	31	0.51	
GEL03	CE	251.0	IAML	17:20	22.63	34	0.25	
GEL02	CE	254.0	IAML	17:20	23.17	21	0.11	
GEL02	CN	254.0	IAML	17:20	23.65	24	0.48	
GEL01	CZ	256.0	EP	17:19	55.85			-0.83
GEL01	CN	256.0	ES	17:20	21.78			-1.63
GEL01	CE	256.0	IAML	17:20	23.35	16	0.40	
GEL01	CN	256.0	IAML	17:20	23.36	16	0.12	

March 27 2020 Time: 03:25 27.7 UTC Magnitude: 2.8 ML
Lat: 53.346 Lon: 4.002 Depth: 10.0 km
Grid Ref: 799.32 kmE 400.07 kmN RMS: 0.50 secs
Locality: SOUTHERN NORTH SEA
Velocity model: North Sea Xnear: 400.0 Xfar: 600.0
Comment: 175KM NE LOWESTOFT

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WACR	HZ	237.0	EP			03:26	01.55			-0.07
WACR	HN	237.0	IAML			03:26	36.55	47	0.56	
WACR	HE	237.0	IAML			03:26	38.08	35	0.20	
ELMS	HZ	247.0	EP			03:26	02.69			-0.18
ELMS	HE	247.0	ES			03:26	28.90			0.37
ELMS	HN	247.0	IAML			03:26	35.34	116	0.23	
ELMS	HE	247.0	IAML			03:26	39.06	114	0.32	
BRAD	CZ	276.0	EP			03:26	07.01			0.52
BRAD	CN	276.0	IAML			03:26	53.50	39	0.71	
BRAD	CE	276.0	IAML			03:26	54.51	40	0.34	
ELSH	HZ	313.0	EP			03:26	11.12			-0.02
ELSH	HN	313.0	IAML			03:27	00.16	38	0.98	
ELSH	HE	313.0	IAML			03:27	04.11	51	0.64	
GDLE	HZ	339.0	EP			03:26	15.23			0.93
GDLE	HE	339.0	IAML			03:27	18.96	28	0.40	
GDLE	HN	339.0	IAML			03:27	20.29	38	0.48	
CWF	HZ	362.0	EP			03:26	16.88			-0.38
CWF	HN	362.0	IAML			03:27	13.64	10	0.32	
CWF	HE	362.0	IAML			03:27	17.25	9	0.62	
HPK	HZ	378.0	EP			03:26	19.35			0.14
HPK	HE	378.0	IAML			03:27	19.36	20	0.56	
HPK	HN	378.0	IAML			03:27	32.19	18	0.44	
LBWR	HZ	381.0	EP			03:26	18.86			-0.74
LBWR	HE	381.0	IAML			03:27	24.89	27	0.34	
LBWR	HN	381.0	IAML			03:27	26.43	25	0.80	
AS02	HZ	398.0	EP			03:26	20.89			-0.84
AS02	HN	398.0	IAML			03:27	23.35	10	0.24	
AS02	HE	398.0	IAML			03:27	27.68	14	0.60	
AR05	HZ	404.0	EP			03:26	23.29			0.83
AR05	HE	404.0	IAML			03:27	34.92	18	0.50	
AR05	HN	404.0	IAML			03:27	35.46	22	0.44	
WOL	BZ	422.0	EP			03:26	24.87			0.24
WOL	BN	422.0	IAML			03:27	33.68	19	0.40	
WOL	BE	422.0	IAML			03:27	38.95	16	0.75	
EDMD	HZ	424.0	EP			03:26	24.53			-0.32
EDMD	HN	424.0	IAML			03:27	07.36	10	0.26	
EDMD	HE	424.0	IAML			03:27	09.65	12	0.20	
STRD	HZ	453.0	EP			03:26	28.23			-0.27
STRD	HN	453.0	IAML			03:27	45.84	25	0.52	
STRD	HE	453.0	IAML			03:27	52.38	27	0.72	
HLM1	HZ	472.0	EP			03:26	30.32			-0.54
HLM1	HN	472.0	IAML			03:27	41.74	7	0.32	
HLM1	HE	472.0	IAML			03:27	42.06	8	0.52	
FOEL	HZ	485.0	EP			03:26	31.84			-0.63
FOEL	HE	485.0	IAML			03:27	47.43	9	0.80	
FOEL	HN	485.0	IAML			03:27	50.36	10	0.60	
KESW	HZ	486.0	EP			03:26	33.21			0.56
MONM	HZ	491.0	EP			03:26	32.57			-0.60
MONM	HE	491.0	IAML			03:27	24.51	7	0.26	
MONM	HN	491.0	IAML			03:27	25.44	9	0.54	
ESK	HZ	517.0	EP			03:26	37.14			0.63
ESK	HN	517.0	IAML			03:27	29.93	3	0.30	
ESK	HE	517.0	IAML			03:27	32.12	4	0.42	

March 27 2020 Time: 05:40 10.1 UTC Magnitude: 0.8 ML
Lat: 55.791 Lon: -6.391 Depth: 7.4 km
Grid Ref: 124.79 kmE 664.02 kmN RMS: 0.30 secs
Locality: ISLAY,ARGYLL & BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CLGH	HZ	80.8	EP			05:40	23.88			0.33
CLGH	HN	80.8	ES			05:40	32.94			-0.42
CLGH	HN	80.8	IAML			05:40	35.40	6	0.12	
CLGH	HE	80.8	IAML			05:40	35.64	6	0.35	
LAWE	HZ	80.9	EP			05:40	23.43			-0.12
LAWE	HE	80.9	ES			05:40	33.14			-0.20
LAWE	HE	80.9	IAML			05:40	36.81	5	0.16	
LAWE	HN	80.9	IAML			05:40	37.17	4	0.12	
PGB1	HZ	120.0	EP			05:40	30.02			0.46
PGB1	HN	120.0	ES			05:40	43.91			0.17
INVG	HN	162.0	IAML			05:40	57.75	1	0.10	
INVG	HE	162.0	IAML			05:40	58.54	1	0.19	
KPL	HZ	178.0	EP			05:40	37.79			0.05

March 27 2020 Time: 11:27 02.6 UTC Magnitude: 0.4 ML
Lat: 54.528 Lon: -2.667 Depth: 12.6 km
Grid Ref: 356.84 kmE 514.97 kmN RMS: 0.20 secs
Locality: SHAP,CUMBRIA
Velocity model: Lownet Xnear: 50.0 Xfar: 100.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AQ12	HZ	11.5	EP			11:27	05.89			0.20
AQ12	HE	11.5	ES			11:27	07.90			-0.07
AQ12	HE	11.5	IAML			11:27	08.05	54	0.06	
AQ12	HN	11.5	IAML			11:27	08.05	48	0.08	
KESW	HZ	29.1	EP			11:27	08.34			0.25
KESW	HE	29.1	ES			11:27	12.03			-0.10
KESW	HN	29.1	IAML			11:27	12.14	6	0.10	
KESW	HE	29.1	IAML			11:27	12.21	3	0.08	
AP12	HZ	45.9	EP			11:27	10.72			0.10
AP12	HE	45.9	ES			11:27	16.25			-0.25
AP12	HN	45.9	IAML			11:27	17.14	1	0.11	
AP12	HE	45.9	IAML			11:27	17.59	1	0.17	
EDMD	HN	56.6	ES			11:27	19.10			-0.17
EDMD	HN	56.6	IAML			11:27	19.93	2	0.13	
EDMD	HE	56.6	IAML			11:27	20.09	3	0.09	

March 28 2020 Time: 16:09 46.1 UTC Magnitude: 1.3 ML
Lat: 50.857 Lon: -2.939 Depth: 9.1 km
Grid Ref: 333.92 kmE 106.87 kmN RMS: 0.20 secs
Locality: CHARD,SOMERSET
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
DYA	HZ	84.4	EP			16:09	59.99			-0.10
DYA	HN	84.4	ES			16:10	10.23			-0.06
DYA	HE	84.4	IAML			16:10	12.69	20	0.14	
DYA	HN	84.4	IAML			16:10	12.74	15	0.22	
MONM	HN	110.0	ES			16:10	17.10			0.07
MONM	HE	110.0	IAML			16:10	17.81	9	0.34	
MONM	HN	110.0	IAML			16:10	19.15	9	0.26	
STRD	HZ	116.0	EP			16:10	05.24			0.32
MCH1	HZ	127.0	EP			16:10	06.11			-0.43
MCH1	HN	127.0	ES			16:10	21.44			-0.01
MCH1	HE	127.0	IAML			16:10	22.15	5	0.12	
MCH1	HN	127.0	IAML			16:10	22.86	8	0.26	
SBD	BN	128.0	ES			16:10	21.82			0.22
SBD	BN	128.0	IAML			16:10	23.97	6	0.10	
SBD	BE	128.0	IAML			16:10	24.32	5	0.13	

April 1 2020 Time: 06:19 21.2 UTC Magnitude: 0.3 ML
Lat: 54.194 Lon: -2.966 Depth: 6.5 km
Grid Ref: 336.98 kmE 478.03 kmN RMS: 0.30 secs
Locality: CARTMEL,CUMBRIA
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AP12	HZ	23.5	EP			06:19	25.81			0.10
AP12	HN	23.5	ES			06:19	28.91			-0.11
AP12	HE	23.5	IAML			06:19	29.12	2	0.13	
AP12	HN	23.5	IAML			06:19	29.31	3	0.09	
AR09	HZ	34.5	EP			06:19	27.52			0.01
AR09	HN	34.5	ES			06:19	31.55			-0.59
AR07	HN	39.8	ES			06:19	33.68			0.18
AR07	HN	39.8	IAML			06:19	33.83	3	0.08	
AR07	HE	39.8	IAML			06:19	34.16	5	0.12	
KESW	HZ	44.8	EP			06:19	29.31			0.23
KESW	HE	44.8	ES			06:19	34.53			-0.33
KESW	HE	44.8	IAML			06:19	35.33	2	0.35	
KESW	HN	44.8	IAML			06:19	36.03	2	0.34	
EDMD	HN	96.2	ES			06:19	49.07			0.52
EDMD	HN	96.2	IAML			06:19	49.64	3	0.14	
EDMD	HE	96.2	IAML			06:19	50.03	2	0.11	

April 4 2020 Time: 15:28 17.1 UTC Magnitude: 2.2 ML
Lat: 52.013 Lon: -1.126 Depth: 4.6 km
Grid Ref: 459.98 kmE 235.36 kmN RMS: 0.40 secs
Locality: BRACKLEY,NORTHANTS
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
BUW	HZ	67.5	EP			15:28	28.09			-0.55
BUW	HN	67.5	IAML			15:28	36.48	163	0.18	
BUW	HE	67.5	IAML			15:28	36.59	192	0.22	
SWN1	HZ	72.6	EP			15:28	29.22			-0.20
SWN1	HN	72.6	IAML			15:28	43.51	56	0.32	
SWN1	HE	72.6	IAML			15:28	45.77	56	0.30	

TABLE 2 : PHASE DATA

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
STRD	HZ	76.1	EP			15:28	30.10			0.12
STRD	HN	76.1	IAML			15:28	40.10	64	0.16	
STRD	HE	76.1	IAML			15:28	46.77	60	0.13	
CWF	HZ	81.6	EP			15:28	30.61			-0.22
CWF	HN	81.6	ES			15:28	40.40			-0.47
CWF	HE	81.6	IAML			15:28	42.53	54	0.15	
CWF	HN	81.6	IAML			15:28	43.74	25	0.13	
STBN	CZ	92.1	EP			15:28	32.47			0.05
STBN	CN	92.1	ES			15:28	43.03			-0.58
STBN	CE	92.1	IAML			15:28	45.00	52	0.21	
STBN	CN	92.1	IAML			15:28	45.11	58	0.09	
MONM	HZ	117.0	EP			15:28	36.38			0.06
MONM	HN	117.0	ES			15:28	50.38			0.03
MONM	HN	117.0	IAML			15:28	53.80	72	0.14	
MONM	HE	117.0	IAML			15:28	53.90	54	0.22	
MCH1	HN	129.0	ES			15:28	53.34			-0.13
MCH1	HE	129.0	IAML			15:28	56.04	87	0.22	
MCH1	HN	129.0	IAML			15:28	57.09	46	0.18	
HLM1	HZ	132.0	EP			15:28	38.59			-0.11
HLM1	HE	132.0	ES			15:28	54.14			-0.33
HLM1	HE	132.0	IAML			15:28	57.14	29	0.10	
HLM1	HN	132.0	IAML			15:28	57.19	38	0.10	
BRAD	CZ	143.0	EP			15:28	40.25			0.10
BRAD	CE	143.0	IAML			15:28	57.73	44	0.19	
BRAD	CN	143.0	IAML			15:28	58.33	43	0.38	
WACR	HZ	143.0	EP			15:28	40.52			0.33
WACR	HE	143.0	ES			15:28	57.09			0.04
WACR	HE	143.0	IAML			15:28	57.85	56	0.15	
WACR	HN	143.0	IAML			15:29	00.15	62	0.19	
ELMS	HZ	145.0	EP			15:28	40.59			0.10
ELMS	HN	145.0	ES			15:28	57.32			-0.25
ELMS	HN	145.0	IAML			15:28	59.39	45	0.11	
ELMS	HE	145.0	IAML			15:29	02.40	65	0.30	
LBWR	HZ	160.0	EP			15:28	43.15			0.56
LBWR	HN	160.0	IAML			15:29	05.00	30	0.14	
LBWR	HE	160.0	IAML			15:29	06.70	33	0.14	
LMK	HZ	169.0	EP	9		15:28	44.99			1.04
LMK	HN	169.0	ES			15:29	05.05			0.46
LMK	HN	169.0	IAML			15:29	05.59	221	0.40	
LMK	HE	169.0	IAML			15:29	06.68	229	0.26	
FOEL	HZ	171.0	EP			15:28	44.88			0.61
FOEL	HE	171.0	IAML			15:29	06.35	26	0.24	
FOEL	HN	171.0	IAML			15:29	06.40	65	0.30	
LLW	BZ	196.0	EP			15:28	48.14			0.84

April 6 2020 Time: 02:51 07.3 UTC Magnitude: 0.8 ML
Lat: 54.206 Lon: -2.973 Depth: 7.5 km
Grid Ref: 336.54 kmE 479.37 kmN RMS: 0.20 secs
Locality: CARTMEL,CUMBRIA
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AP12	HZ	22.4	EP			02:51	11.62			-0.07
AP12	HN	22.4	ES			02:51	14.75			-0.11
AP12	HN	22.4	IAML			02:51	15.14	11	0.06	
AP12	HE	22.4	IAML			02:51	15.21	10	0.07	
AR07	HZ	41.0	EP			02:51	14.45			-0.12
AR07	HE	41.0	ES			02:51	19.51			-0.35
AR07	HE	41.0	IAML			02:51	20.05	16	0.26	
AR07	HN	41.0	IAML			02:51	20.40	18	0.22	
KESW	HZ	43.4	EP			02:51	15.14			0.18
KESW	HN	43.4	ES			02:51	20.28			-0.25
KESW	HE	43.4	IAML			02:51	20.60	6	0.25	
KESW	HN	43.4	IAML			02:51	20.85	4	0.17	
AR05	HZ	66.9	EP			02:51	18.71			0.12
AR05	HN	66.9	ES			02:51	27.03			0.22
AR05	HN	66.9	IAML			02:51	30.31	6	0.21	
AR05	HE	66.9	IAML			02:51	31.26	6	0.12	
EDMD	HZ	95.5	EP			02:51	23.31			0.33
EDMD	HN	95.5	ES			02:51	34.32			-0.08
EDMD	HE	95.5	IAML			02:51	36.36	8	0.20	
EDMD	HN	95.5	IAML			02:51	36.59	9	0.26	
IOMK	HN	104.0	ES			02:51	36.89			0.12
NEWG	HN	130.0	ES			02:51	43.38			-0.16
NEWG	HE	130.0	IAML			02:51	44.14	2	0.32	
NEWG	HN	130.0	IAML			02:51	45.65	1	0.14	
GAL1	HN	134.0	ES			02:51	44.87			0.23

April 6 2020 Time: 21:27 17.2 UTC Magnitude: 1.4 ML
Lat: 56.289 Lon: -6.256 Depth: 8.3 km
Grid Ref: 136.67 kmE 718.86 kmN RMS: 0.30 secs
Locality: MULL,ARGYLL & BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT MULL Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	53.2	IP		C	21:27	26.32			0.03
LAWE	HN	53.2	ES			21:27	32.62			-0.32
LAWE	HN	53.2	IAML			21:27	32.91	30	0.23	
LAWE	HE	53.2	IAML			21:27	33.51	24	0.19	
EAB	HZ	120.0	EP			21:27	37.01			0.42
KPL	HZ	123.0	IP		C	21:27	36.71			-0.28
KPL	HN	123.0	IAML			21:27	53.46	5	0.18	
KPL	HE	123.0	IAML			21:27	54.00	8	0.24	
PGB1	HZ	123.0	EP			21:27	37.35			0.34
PGB1	HE	123.0	IAML			21:27	53.90	9	0.42	
PGB1	HN	123.0	IAML			21:27	55.95	8	0.16	
CLGH	HZ	135.0	EP			21:27	38.80			0.07
CLGH	HN	135.0	ES			21:27	54.16			-0.31
CLGH	HE	135.0	IAML			21:27	56.55	14	0.16	
CLGH	HN	135.0	IAML			21:27	56.61	15	0.18	
INVG	HZ	138.0	EP			21:27	39.53			0.35
INVG	HN	138.0	ES			21:27	55.25			0.00
INVG	HE	138.0	IAML			21:27	57.45	10	0.10	
INVG	HN	138.0	IAML			21:27	58.40	10	0.12	
IDGL	HZ	157.0	EP			21:27	41.72			-0.18
NEWG	HZ	182.0	EP			21:27	44.97			-0.26
GAL1	HZ	186.0	EP			21:27	45.54			-0.13
GAL1	HE	186.0	IAML			21:28	10.63	4	0.24	
GAL1	HN	186.0	IAML			21:28	12.50	3	0.18	

April 9 2020 Time: 00:57 00.1 UTC Magnitude: 0.7 ML
Lat: 51.669 Lon: -3.201 Depth: 3.3 km
Grid Ref: 316.95 kmE 197.43 kmN RMS: 0.10 secs
Locality: BLACKWOOD,CAERPHILLY
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MONM	HZ	33.3	IP		C	00:57	06.19			-0.07
MONM	HE	33.3	ES			00:57	10.92			0.18
MONM	HE	33.3	IAML			00:57	11.25	21	0.19	
MONM	HN	33.3	IAML			00:57	11.93	17	0.21	
MCH1	HZ	39.1	IP		C	00:57	07.15			-0.11
MCH1	HN	39.1	ES			00:57	12.44			-0.03
MCH1	HE	39.1	IAML			00:57	12.74	7	0.13	
MCH1	HN	39.1	IAML			00:57	12.80	8	0.26	
STRD	HE	72.7	ES			00:57	21.62			-0.04
RSBS	HZ	111.0	EP			00:57	18.61			0.08
RSBS	HE	111.0	ES			00:57	31.98			0.01
RSBS	HN	111.0	IAML			00:57	36.35	1	0.07	
RSBS	HE	111.0	IAML			00:57	36.68	1	0.07	

April 11 2020 Time: 11:41 29.2 UTC Magnitude: 0.3 ML
Lat: 55.249 Lon: -3.498 Depth: 2.4 km
Grid Ref: 304.78 kmE 596.01 kmN RMS: 0.50 secs
Locality: ST ANN'S,D & G
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ESK	HZ	20.1	IP		C	11:41	33.15			-0.01
ESK	HN	20.1	ES			11:41	35.63			-0.40
ESK	HE	20.1	IAML			11:41	35.83	9	0.10	
ESK	HN	20.1	IAML			11:41	36.54	5	0.18	
NEWG	HZ	48.8	EP			11:41	37.51			-0.50
NEWG	HE	48.8	IAML			11:41	37.76	4	0.08	
NEWG	HN	48.8	IAML			11:41	43.97	2	0.09	
KESW	HZ	77.7	EP			11:41	42.58			0.06
GAL1	HZ	88.4	EP			11:41	43.88			-0.28
AQ12	HZ	102.0	EP			11:41	46.93			0.57
EAB	HZ	117.0	EP			11:41	49.52			0.87

April 11 2020 Time: 14:55 31.5 UTC Magnitude: 0.7 ML
Lat: 51.950 Lon: -3.506 Depth: 14.9 km
Grid Ref: 296.51 kmE 229.06 kmN RMS: 0.30 secs
Locality: SENNYBRIDGE,POWYS
Velocity model: Mid Wales Xnear: 75.0 Xfar: 150.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MCH1	HZ	35.3	EP			14:55	37.73			-0.27
MCH1	HN	35.3	ES			14:55	42.36			-0.33
MCH1	HE	35.3	IAML			14:55	42.52	17	0.18	
MCH1	HN	35.3	IAML			14:55	42.56	20	0.18	
LPW	HZ	42.6	EP			14:55	39.38			0.25
LPW	HN	42.6	ES			14:55	44.93			0.29
LPW	HE	42.6	IAML			14:55	45.08	5	0.12	
LPW	HN	42.6	IAML			14:55	45.13	5	0.22	
MONM	HZ	49.9	EP			14:55	40.58			0.32
MONM	HE	49.9	ES			14:55	46.74			0.16
MONM	HE	49.9	IAML			14:55	46.91	7	0.18	
MONM	HN	49.9	IAML			14:55	47.05	12	0.15	
HLM1	HZ	76.3	EP			14:55	44.28			0.02
HLM1	HN	76.3	ES			14:55	53.21			-0.25
HLM1	HE	76.3	IAML			14:55	54.60	2	0.26	
HLM1	HN	76.3	IAML			14:55	54.81	2	0.09	
RSBS	HZ	85.1	EP			14:55	45.43			-0.15
RSBS	HN	85.1	ES			14:55	55.06			-0.66
RSBS	HE	85.1	IAML			14:55	56.48	3	0.08	
RSBS	HN	85.1	IAML			14:55	56.48	3	0.08	
STRD	HN	94.6	ES			14:55	58.37			0.22
STRD	HE	94.6	IAML			14:55	58.89	7	0.20	
STRD	HN	94.6	IAML			14:55	59.92	7	0.25	
LLW	BZ	101.0	EP			14:55	48.08			0.19
LLW	BN	101.0	ES			14:55	59.62			-0.08
LLW	BN	101.0	IAML			14:56	01.86	2	0.24	
LLW	BE	101.0	IAML			14:56	01.97	1	0.10	
FOEL	HZ	107.0	EP			14:55	49.22			0.40
FOEL	HN	107.0	ES			14:56	01.64			0.34
FOEL	HE	107.0	IAML			14:56	03.33	1	0.19	
FOEL	HN	107.0	IAML			14:56	04.07	3	0.39	
HTL	HN	126.0	ES			14:56	06.45			0.14
HTL	HN	126.0	IAML			14:56	07.23	1	0.13	
HTL	HE	126.0	IAML			14:56	07.46	1	0.15	

TABLE 2 : PHASE DATA

April 11 2020 Time: 17:53 53.2 UTC Magnitude: 0.2 ML
Lat: 53.389 Lon: -4.435 Depth: 12.6 km
Grid Ref: 238.09 kmE 390.81 kmN RMS: 0.10 secs
Locality: LLANFECHELL,ANGLESEY
Velocity model: Lleyn Xnear: 80.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WME	EZ	8.8	EP			17:53	55.77			-0.04
WLF1	HZ	11.3	EP			17:53	56.01			-0.05
WLF1	HN	11.3	ES			17:53	58.09			0.09
WLF1	HN	11.3	IAML			17:53	58.36	16	0.17	
WLF1	HE	11.3	IAML			17:53	58.39	15	0.08	
LLW	BZ	79.1	EP			17:54	06.12			-0.17
LLW	BN	79.1	ES			17:54	15.31			0.12
LLW	BE	79.1	IAML			17:54	15.60	1	0.21	
LLW	BN	79.1	IAML			17:54	16.07	0	0.21	
IOMK	HZ	97.4	EP			17:54	09.11			0.00
IOMK	HE	97.4	ES			17:54	20.00			0.07
IOMK	HE	97.4	IAML			17:54	21.02	1	0.19	
IOMK	HN	97.4	IAML			17:54	21.09	1	0.14	

April 12 2020 Time: 05:30 14.2 UTC Magnitude: 0.8 ML
Lat: 55.233 Lon: -3.506 Depth: 2.5 km
Grid Ref: 304.24 kmE 594.24 kmN RMS: 0.50 secs
Locality: ST ANN'S,D & G
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ESK	HZ	21.2	EP			05:30	18.28			-0.01
ESK	HN	21.2	ES			05:30	20.71			-0.58
ESK	HE	21.2	IAML			05:30	21.00	13	0.24	
ESK	HN	21.2	IAML			05:30	21.93	10	0.15	
NEWG	HZ	47.9	EP			05:30	22.61			-0.19
NEWG	HN	47.9	ES			05:30	28.41			-0.68
NEWG	HN	47.9	IAML			05:30	29.13	4	0.12	
NEWG	HE	47.9	IAML			05:30	22.86	7	0.12	
EDI	HN	79.4	IAML			05:30	38.77	5	0.28	
EDI	HE	79.4	IAML			05:30	40.04	4	0.20	
GAL1	HZ	87.2	EP			05:30	29.00			0.08
GAL1	HE	87.2	IAML			05:30	42.41	2	0.10	
GAL1	HN	87.2	IAML			05:30	42.43	4	0.15	
PGB1	HZ	89.2	EP			05:30	30.08			0.84
PGB1	HE	89.2	IAML			05:30	43.24	14	0.22	
PGB1	HN	89.2	IAML			05:30	43.32	8	0.18	
AQ12	HZ	101.0	EP			05:30	31.67			0.56
AQ12	HE	101.0	IAML			05:30	44.36	7	0.10	
AQ12	HN	101.0	IAML			05:30	45.26	6	0.18	

April 12 2020 Time: 07:52 56.4 UTC Magnitude: 0.8 ML
Lat: 55.238 Lon: -3.520 Depth: 2.5 km
Grid Ref: 303.36 kmE 594.81 kmN RMS: 0.40 secs
Locality: ST ANN'S,D & G
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ESK	HZ	21.8	IP		C	07:53	00.48			-0.12
ESK	HE	21.8	ES			07:53	03.01			-0.67
ESK	HN	21.8	IAML			07:53	03.09	8	0.09	
ESK	HE	21.8	IAML			07:53	03.12	12	0.10	
NEWG	HZ	47.2	EP			07:53	04.94			0.07
NEWG	HE	47.2	ES			07:53	10.39			-0.67
NEWG	HN	47.2	IAML			07:53	11.31	3	0.12	
NEWG	HE	47.2	IAML			07:53	11.51	3	0.16	
KESW	HZ	77.0	EP			07:53	09.79			0.23
EDI	HN	79.1	ES			07:53	19.74			0.04
EDI	HN	79.1	IAML			07:53	21.07	4	0.29	
EDI	HE	79.1	IAML			07:53	22.32	3	0.19	
GAL1	HZ	86.6	EP			07:53	11.25			0.23
GAL1	HN	86.6	ES			07:53	21.40			-0.31
GAL1	HN	86.6	IAML			07:53	22.63	3	0.12	
GAL1	HE	86.6	IAML			07:53	23.81	2	0.09	
PGB1	HE	88.2	ES			07:53	22.76			0.60
PGB1	HE	88.2	IAML			07:53	25.32	7	0.18	
PGB1	HN	88.2	IAML			07:53	25.42	7	0.21	
AQ12	HZ	102.0	EP			07:53	13.84			0.40
AQ12	HE	102.0	ES			07:53	25.99			0.09
AQ12	HE	102.0	IAML			07:53	26.54	7	0.10	
AQ12	HN	102.0	IAML			07:53	27.15	5	0.12	
EDMD	HN	109.0	ES			07:53	27.94			0.16
EDMD	HN	109.0	IAML			07:53	30.07	11	0.14	
EDMD	HE	109.0	IAML			07:53	30.22	9	0.13	

April 12 2020 Time: 13:53 12.3 UTC Magnitude: 0.9 ML
Lat: 53.937 Lon: -3.694 Depth: 7.8 km
Grid Ref: 288.81 kmE 450.34 kmN RMS: 0.40 secs
Locality: IRISH SEA
Velocity model: Borders Xnear: 100.0 Xfar: 200.0
Comment: 42KM WEST FLEETWOOD

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AP12	HZ	50.0	EP			13:53	20.76			-0.40
AP12	HE	50.0	IAML			13:53	29.78	4	0.22	
AP12	HN	50.0	IAML			13:53	30.27	3	0.16	
AQ04	HZ	50.9	EP			13:53	21.27			0.01
AQ04	HE	50.9	ES			13:53	27.84			0.24
AQ04	HN	50.9	IAML			13:53	28.01	32	0.22	
AQ04	HE	50.9	IAML			13:53	28.32	15	0.23	
IOMK	HZ	67.5	EP			13:53	24.17			0.18
IOMK	HN	67.5	ES			13:53	32.67			0.40
IOMK	HN	67.5	IAML			13:53	33.15	2	0.16	
IOMK	HE	67.5	IAML			13:53	36.63	2	0.16	
AR07	HE	81.3	ES			13:53	36.49			0.38
AR07	HN	81.3	IAML			13:53	37.97	13	0.26	
AR07	HE	81.3	IAML			13:53	38.34	10	0.13	
KESW	HZ	82.1	EP			13:53	26.39			0.02
KESW	HE	82.1	ES			13:53	36.63			0.29
KESW	HE	82.1	IAML			13:53	38.48	6	0.21	
KESW	HN	82.1	IAML			13:53	39.05	7	0.18	
AQ12	HZ	82.9	EP			13:53	25.83			-0.70
AQ12	HN	82.9	ES			13:53	36.52			-0.09
AQ12	HE	82.9	IAML			13:53	39.33	5	0.07	
AQ12	HN	82.9	IAML			13:53	40.04	6	0.08	
WLF1	HZ	85.8	EP			13:53	26.51			-0.42
WLF1	HE	85.8	IAML			13:53	39.75	8	0.14	
WLF1	HN	85.8	IAML			13:53	40.38	4	0.21	
FOEL	HZ	121.0	EP			13:53	32.39			-0.35
FOEL	HN	121.0	ES			13:53	47.70			0.48
FOEL	HE	121.0	IAML			13:53	48.49	4	0.37	
FOEL	HN	121.0	IAML			13:53	49.35	4	0.16	

April 12 2020 Time: 14:42 44.0 UTC Magnitude: 0.7 ML
Lat: 52.266 Lon: 0.468 Depth: 7.4 km
Grid Ref: 568.39 kmE 266.01 kmN RMS: 0.10 secs
Locality: NEWMARKET,SUFFOLK
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ELMS	HZ	40.5	EP			14:42	51.17			0.02
ELMS	HE	40.5	ES			14:42	56.35			-0.01
ELMS	HN	40.5	IAML			14:42	57.45	12	0.12	
ELMS	HE	40.5	IAML			14:42	58.18	10	0.18	
WACR	HZ	52.1	EP			14:42	53.00			0.06
WACR	HE	52.1	ES			14:42	59.43			-0.04
WACR	HE	52.1	IAML			14:42	59.95	6	0.20	
WACR	HN	52.1	IAML			14:43	01.29	5	0.10	
CWF	HZ	132.0	EP			14:43	05.10			-0.08
CWF	HE	132.0	ES			14:43	20.70			0.05
CWF	HE	132.0	IAML			14:43	21.22	1	0.09	
CWF	HN	132.0	IAML			14:43	21.35	1	0.19	

April 14 2020 Time: 18:01 03.1 UTC Magnitude: 0.7 ML
Lat: 57.762 Lon: -3.690 Depth: 2.6 km
Grid Ref: 299.46 kmE 875.93 kmN RMS: 0.20 secs
Locality: MORAY FIRTH
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0
Comment: 12KM EAST BALINTORE

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MCD	HZ	32.8	EP			18:01	09.37			0.15
MCD	HN	32.8	ES			18:01	13.34			-0.32
MCD	HE	32.8	IAML			18:01	13.70	13	0.20	
MCD	HN	32.8	IAML			18:01	13.73	11	0.20	
BIGH	HZ	82.4	EP			18:01	17.25			0.13
BIGH	HE	82.4	ES			18:01	27.27			-0.05
BIGH	HE	82.4	IAML			18:01	27.83	5	0.18	
BIGH	HN	82.4	IAML			18:01	29.06	2	0.14	
LINV	HZ	99.0	EP			18:01	19.86			0.18
LINV	HN	99.0	ES			18:01	31.47			-0.27
LINV	HN	99.0	IAML			18:01	32.42	4	0.18	
LINV	HE	99.0	IAML			18:01	32.78	3	0.22	
DRUM	HE	119.0	ES			18:01	37.34			0.12
DRUM	HE	119.0	IAML			18:01	38.65	2	0.18	
DRUM	HN	119.0	IAML			18:01	38.66	2	0.09	
KPL	HZ	127.0	EP			18:01	24.00			0.05
KPL	HE	127.0	IAML			18:01	40.44	2	0.21	
KPL	HN	127.0	IAML			18:01	41.28	1	0.20	

April 15 2020 Time: 04:07 41.3 UTC Magnitude: 0.4 ML
Lat: 52.275 Lon: 0.441 Depth: 4.7 km
Grid Ref: 566.52 kmE 266.94 kmN RMS: 0.10 secs
Locality: NEWMARKET,SUFFOLK
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ELMS	HZ	42.6	EP			04:07	48.76			-0.24
ELMS	HE	42.6	ES			04:07	54.73			0.14
ELMS	HN	42.6	IAML			04:07	54.97	7	0.09	
ELMS	HE	42.6	IAML			04:07	55.29	5	0.19	
WACR	HZ	51.5	EP			04:07	50.49			0.11
WACR	HE	51.5	ES			04:07	56.91			-0.06
WACR	HE	51.5	IAML			04:07	57.43	3	0.16	
WACR	HN	51.5	IAML			04:07	57.44	2	0.13	
CWF	HZ	129.0	EP			04:08	02.60			0.13
CWF	HN	129.0	ES			04:08	17.82			-0.07
CWF	HE	129.0	IAML			04:08	18.71	0	0.13	
CWF	HN	129.0	IAML			04:08	18.81	1	0.17	

April 15 2020 Time: 16:04 22.8 UTC Magnitude: 0.6 ML
Lat: 55.092 Lon: -4.179 Depth: 9.3 km
Grid Ref: 260.96 kmE 579.68 kmN RMS: 0.30 secs
Locality: DALRY,D & G
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
NEWG	HZ	4.3	EP			16:04	24.74			-0.02
NEWG	HE	4.3	ES			16:04	26.33			0.14

TABLE 2 : PHASE DATA

NEWG	HN	4.3	IAML	16:04	26.37	21	0.10	
NEWG	HE	4.3	IAML	16:04	26.41	25	0.10	
GAL1	HZ	42.3	EP	16:04	30.19			-0.04
GAL1	HE	42.3	ES	16:04	35.24			-0.42
GAL1	HN	42.3	IAML	16:04	35.68	10	0.12	
GAL1	HE	42.3	IAML	16:04	35.77	6	0.12	
ESK	HZ	66.8	EP	16:04	33.79			-0.26
ESK	HN	66.8	ES	16:04	41.81			-0.46
ESK	HN	66.8	IAML	16:04	42.75	3	0.32	
ESK	HE	66.8	IAML	16:04	42.79	2	0.16	
PGB1	HN	82.4	ES	16:04	46.43			0.00
PGB1	HE	82.4	IAML	16:04	46.60	9	0.13	
PGB1	HN	82.4	IAML	16:04	46.97	6	0.25	
KESW	HZ	88.8	EP	16:04	37.96			0.49
IOMK	HZ	95.8	EP	16:04	38.90			0.36
IOMK	HN	95.8	IAML	16:04	49.06	1	0.36	
IOMK	HE	95.8	IAML	16:04	51.59	1	0.10	
EAB	HE	123.0	ES	16:04	57.39			0.34
EAB	HN	123.0	IAML	16:04	57.95	2	0.10	
EAB	HE	123.0	IAML	16:04	58.18	2	0.08	
CLGH	HN	123.0	ES	16:04	57.11			-0.13
CLGH	HE	123.0	IAML	16:04	58.12	2	0.26	
CLGH	HN	123.0	IAML	16:04	58.16	2	0.18	

April 16 2020 Time: 06:11 37.4 UTC Magnitude: 0.7 ML
Lat: 57.641 Lon: -5.593 Depth: 2.6 km
Grid Ref: 185.58 kmE 866.88 kmN RMS: 0.40 secs
Locality: TALLADALE,HIGHLAND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 6KM SW TALLADALE

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	33.8	EP			06:11	43.96			0.32
KPL	HE	33.8	ES			06:11	47.74			-0.42
KPL	HE	33.8	IAML			06:11	48.16	4	0.10	
KPL	HN	33.8	IAML			06:11	48.88	3	0.18	
LINV	HZ	61.0	EP			06:11	48.30			0.20
LINV	HN	61.0	ES			06:11	55.51			-0.36
LINV	HE	61.0	IAML			06:11	55.94	3	0.27	
LINV	HN	61.0	IAML			06:11	56.58	2	0.14	
BIGH	HZ	137.0	EP			06:12	00.36			0.49
BIGH	HN	137.0	ES			06:12	16.19			-0.06
BIGH	HN	137.0	IAML			06:12	18.27	4	0.20	
BIGH	HE	137.0	IAML			06:12	18.39	3	0.20	
LAWE	HN	154.0	ES			06:12	20.90			0.46
LAWE	HE	154.0	IAML			06:12	23.34	3	0.18	
LAWE	HN	154.0	IAML			06:12	23.61	4	0.20	

April 16 2020 Time: 12:07 50.5 UTC Magnitude: 1.6 ML
Lat: 57.647 Lon: -5.637 Depth: 2.4 km
Grid Ref: 182.99 kmE 867.69 kmN RMS: 0.50 secs
Locality: SHIELDAIG,HIGHLAND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 5KM SSE SHIELDAIG

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	34.3	EP			12:07	57.09			0.32
KPL	HN	34.3	ES			12:08	00.73			-0.64
KPL	HE	34.3	IAML			12:08	01.39	22	0.11	
KPL	HN	34.3	IAML			12:08	02.10	17	0.18	
LINV	HZ	61.5	EP			12:08	01.55			0.32
LINV	HE	61.5	ES			12:08	08.62			-0.46
LINV	HE	61.5	IAML			12:08	09.15	18	0.19	
LINV	HN	61.5	IAML			12:08	09.72	14	0.14	
BIGH	HZ	139.0	EP			12:08	13.45			0.31
BIGH	HE	139.0	ES			12:08	29.23			-0.46
BIGH	HN	139.0	IAML			12:08	31.50	18	0.21	
BIGH	HE	139.0	IAML			12:08	31.61	17	0.20	
MCD	HZ	143.0	EP			12:08	14.41			0.69
MCD	HN	143.0	ES			12:08	30.85			0.15
MCD	HN	143.0	IAML			12:08	32.25	17	0.26	
MCD	HE	143.0	IAML			12:08	32.38	20	0.14	
LAWE	HZ	155.0	EP			12:08	16.15			0.67
LAWE	HN	155.0	ES			12:08	34.08			0.34
LAWE	HE	155.0	IAML			12:08	36.56	18	0.19	
LAWE	HN	155.0	IAML			12:08	36.83	19	0.20	
EAB	HZ	181.0	EP			12:08	20.04			1.02
EAB	HE	181.0	IAML			12:08	42.00	14	0.36	
EAB	HN	181.0	IAML			12:08	42.42	8	0.12	

April 17 2020 Time: 13:01 35.5 UTC Magnitude: 1.7 ML
Lat: 53.046 Lon: -2.139 Depth: 2.5 km
Grid Ref: 390.68 kmE 349.90 kmN RMS: 0.30 secs
Locality: BAGNALL,STAFFORDSHIRE
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
STNC	HZ	6.8	EP			13:01	37.03			-0.17
STNC	HN	6.8	ES			13:01	38.22			-0.18
STNC	HN	6.8	IAML			13:01	38.41	5508	0.12	
STNC	HE	6.8	IAML			13:01	38.43	9098	0.20	
LBWR	HZ	48.3	EP			13:01	44.29			0.03
LBWR	HN	48.3	ES			13:01	50.17			-0.45
LBWR	HN	48.3	IAML			13:01	50.76	78	0.22	
LBWR	HE	48.3	IAML			13:01	51.18	94	0.42	
STBN	CZ	64.2	EP			13:01	46.85			0.15
STBN	CE	64.2	ES			13:01	55.08			0.24
CWF	HZ	65.6	EP			13:01	46.85			-0.09
CWF	HE	65.6	ES			13:01	54.81			-0.45
CWF	HE	65.6	IAML			13:01	55.57	26	0.32	
CWF	HN	65.6	IAML			13:01	55.57	26	0.14	
CWF	HN	65.6	IAML			13:01	55.57	26	0.32	
FOEL	HZ	73.3	EP			13:01	48.25			0.06
FOEL	HN	73.3	ES			13:01	57.67			0.25
FOEL	HE	73.3	IAML			13:02	02.28	20	0.42	
FOEL	HN	73.3	IAML			13:02	03.36	16	0.30	
HLM1	HZ	77.1	EP			13:01	48.72			-0.05
HLM1	HE	77.1	IAML			13:01	59.37	19	0.30	
HLM1	HN	77.1	IAML			13:02	01.11	11	0.11	
LLW	BZ	105.0	EP			13:01	53.14			0.12
LLW	BN	105.0	ES			13:02	05.33			-0.45
LLW	BN	105.0	IAML			13:02	08.28	9	0.20	
LLW	BE	105.0	IAML			13:02	08.32	5	0.10	
HPK	HZ	107.0	EP			13:01	53.89			0.51
HPK	HE	107.0	ES			13:02	06.37			-0.04
HPK	HE	107.0	IAML			13:02	09.65	116	0.18	
HPK	HN	107.0	IAML			13:02	09.93	124	0.32	
MCH1	HZ	130.0	EP			13:01	56.84			-0.15
MCH1	HE	130.0	ES			13:02	12.75			0.10
MCH1	HE	130.0	IAML			13:02	15.98	17	0.22	
MCH1	HN	130.0	IAML			13:02	18.95	28	0.44	
WLF1	HZ	153.0	EP			13:02	00.49			0.22
WLF1	HN	153.0	IAML			13:02	19.46	14	0.15	
WLF1	HE	153.0	IAML			13:02	20.94	14	0.09	
GDLE	HZ	176.0	EP			13:02	03.82			0.30
GDLE	HN	176.0	ES			13:02	24.12			0.18
EDMD	HZ	199.0	EP			13:02	06.16			-0.15

April 17 2020 Time: 17:11 38.5 UTC Magnitude: 0.5 ML
Lat: 55.273 Lon: -3.535 Depth: 2.4 km
Grid Ref: 302.49 kmE 598.73 kmN RMS: 0.30 secs
Locality: BEATTOCK,D & G
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ESK	HZ	21.5	IP		C	17:11	42.90			0.20
ESK	HN	21.5	ES			17:11	45.41			-0.33
ESK	HE	21.5	IAML			17:11	45.60	6	0.10	
ESK	HN	21.5	IAML			17:11	46.62	6	0.16	
NEWG	HZ	47.5	EP			17:11	47.37			0.29
NEWG	HE	47.5	ES			17:11	52.81			-0.51
NEWG	HN	47.5	IAML			17:11	53.71	2	0.09	
NEWG	HE	47.5	IAML			17:11	53.91	2	0.12	
KESW	HZ	81.0	EP			17:11	52.28			-0.05
KESW	HE	81.0	IAML			17:12	04.45	4	0.61	
KESW	HN	81.0	IAML			17:12	04.51	2	0.18	
GAL1	HZ	87.7	EP			17:11	53.67			0.33
GAL1	HN	87.7	ES			17:12	04.19			0.04
GAL1	HE	87.7	IAML			17:12	06.56	1	0.16	
GAL1	HN	87.7	IAML			17:12	07.03	2	0.19	
EDMD	HN	112.0	ES			17:12	10.69			0.09
EDMD	HE	112.0	IAML			17:12	12.08	6	0.17	
EDMD	HN	112.0	IAML			17:12	12.59	8	0.20	
IOMK	HN	131.0	ES			17:12	15.65			-0.08

April 19 2020 Time: 17:45 41.4 UTC Magnitude: 0.2 ML
Lat: 54.235 Lon: -3.795 Depth: 7.7 km
Grid Ref: 283.02 kmE 483.65 kmN RMS: 0.30 secs
Locality: IRISH SEA
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AP12	HZ	35.4	EP			17:45	47.90			0.11
AP12	HN	35.4	ES			17:45	52.15			-0.30
AP12	HE	35.4	IAML			17:45	54.13	2	0.18	
AP12	HN	35.4	IAML			17:45	54.90	2	0.09	
IOMK	HZ	50.3	EP			17:45	50.20			0.10
IOMK	HE	50.3	ES			17:45	55.98			-0.45
IOMK	HE	50.3	IAML			17:45	57.33	0	0.09	
IOMK	HN	50.3	IAML			17:45	57.68	1	0.09	
KESW	HZ	59.6	EP			17:45	51.73			0.17
KESW	HE	59.6	ES			17:45	58.89			-0.07
KESW	HE	59.6	IAML			17:45	59.46	2	0.20	
KESW	HN	59.6	IAML			17:45	59.54	2	0.14	
AQ12	HZ	71.5	EP			17:45	53.53			0.11
AQ12	HN	71.5	ES			17:46	01.88			-0.30
AQ12	HN	71.5	IAML			17:46	03.71	2	0.13	
AQ12	HE	71.5	IAML			17:46	03.87	2	0.06	
GAL1	HZ	91.9	EP			17:45	57.02			0.49
GAL1	HN	91.9	ES			17:46	07.28			-0.28
GAL1	HN	91.9	IAML			17:46	08.00	1	0.09	
GAL1	HE	91.9	IAML			17:46	08.15	1	0.16	
NEWG	HZ	102.0	EP			17:45	58.57			0.45
NEWG	HE	102.0	ES			17:46	10.07			-0.24
NEWG	HE	102.0	IAML			17:46	10.47	2	0.27	
NEWG	HN	102.0	IAML			17:46	11.10	1	0.14	
ESK	HZ	126.0	EP			17:46	02.22			0.39
ESK	HE	126.0	IAML			17:46	17.56	1	0.20	
ESK	HN	126.0	IAML			17:46	17.81	1	0.18	

TABLE 2 : PHASE DATA

April 20 2020 Time: 01:19 27.2 UTC Magnitude: 0.3 ML
Lat: 55.234 Lon: -3.518 Depth: 2.5 km
Grid Ref: 303.47 kmE 594.37 kmN RMS: 0.50 secs
Locality: ST ANN'S,D & G
Velocity model: Lownet Xnear: 100.0 Xfar: 150.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ESK	HZ	21.9	IP		C	01:19	31.25			-0.14
ESK	HN	21.9	ES			01:19	33.69			-0.79
ESK	HE	21.9	IAML			01:19	33.94	5	0.10	
ESK	HN	21.9	IAML			01:19	34.38	3	0.11	
NEWG	HZ	47.1	EP			01:19	35.60			-0.04
NEWG	HE	47.1	ES			01:19	40.98			-0.86
NEWG	HE	47.1	IAML			01:19	41.81	1	0.22	
NEWG	HN	47.1	IAML			01:19	42.07	2	0.11	
KESW	HZ	76.5	EP			01:19	40.60			0.33
KESW	HN	76.5	IAML			01:19	52.03	1	0.08	
KESW	HE	76.5	IAML			01:19	52.99	2	0.21	
EDI	HN	79.6	ES			01:19	50.91			0.32
EDI	HN	79.6	IAML			01:19	51.16	2	0.22	
EDI	HE	79.6	IAML			01:19	51.68	1	0.15	
GAL1	HZ	86.5	EP			01:19	42.07			0.29
GAL1	HN	86.5	ES			01:19	52.59			0.13
GAL1	HN	86.5	IAML			01:19	55.21	2	0.09	
GAL1	HE	86.5	IAML			01:19	55.51	1	0.10	
PGB1	HE	88.6	ES			01:19	53.47			0.42
PGB1	HN	88.6	IAML			01:19	55.65	3	0.14	
PGB1	HE	88.6	IAML			01:19	55.90	6	0.28	
EDMD	HE	109.0	ES			01:19	59.01			0.53
IOMK	HN	128.0	ES			01:20	03.44			-0.07

April 22 2020 Time: 22:59 32.8 UTC Magnitude: 0.6 ML
Lat: 56.633 Lon: -5.202 Depth: 10.7 km
Grid Ref: 203.63 kmE 753.59 kmN RMS: 0.40 secs
Locality: DUROR,HIGHLAND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	43.3	EP			22:59	40.27			-0.15
LAWE	HN	43.3	ES			22:59	45.53			-0.44
LAWE	HE	43.3	IAML			22:59	45.75	6	0.09	
LAWE	HN	43.3	IAML			22:59	45.82	6	0.14	
INVG	HZ	74.9	IP		D	22:59	45.43			0.11
INVG	HN	74.9	ES			22:59	54.02			-0.44
INVG	HN	74.9	IAML			22:59	57.37	3	0.08	
INVG	HE	74.9	IAML			22:59	57.55	4	0.19	
KPL	HZ	83.2	EP			22:59	46.78			0.21
KPL	HE	83.2	ES			22:59	56.46			-0.15
KPL	HN	83.2	IAML			22:59	59.85	2	0.18	
KPL	HE	83.2	IAML			23:00	00.15	1	0.13	
PGB1	HZ	102.0	EP			22:59	50.40			0.92
LINV	HE	169.0	ES			23:00	17.63			-0.34

April 23 2020 Time: 05:30 49.8 UTC Magnitude: 3.3 ML
Lat: 53.029 Lon: 2.162 Depth: 10.0 km
Grid Ref: 679.03 kmE 356.10 kmN RMS: 0.50 secs
Locality: SOUTHERN NORTH SEA
Velocity model: North Sea Xnear: 400.0 Xfar: 600.0
Comment: 65KM NNE LOWESTOFT

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WACR	HZ	109.0	EP			05:31	06.58			-0.63
WACR	HN	109.0	ES			05:31	19.34			-0.58
WACR	HE	109.0	IAML			05:31	23.19	352	0.24	
WACR	HN	109.0	IAML			05:31	25.39	366	0.25	
ELMS	HZ	131.0	IP		D	05:31	09.74			-0.85
ELMS	HE	131.0	ES			05:31	26.39			0.63
ELMS	HE	131.0	IAML			05:31	29.14	1182	0.30	
ELMS	HN	131.0	IAML			05:31	31.23	1597	0.35	
BRAD	CZ	167.0	EP			05:31	14.93			-0.13
BRAD	CE	167.0	IAML			05:31	37.87	596	0.74	
BRAD	CN	167.0	IAML			05:31	47.02	576	0.57	
LMK	HZ	173.0	EP			05:31	16.14			0.35
LMK	HN	173.0	IAML			05:31	43.33	721	0.57	
LMK	HE	173.0	IAML			05:31	44.34	391	0.29	
ELSH	HZ	221.0	EP			05:31	21.62			-0.13
ELSH	HE	221.0	IAML			05:31	53.05	273	0.50	
ELSH	HN	221.0	IAML			05:31	53.42	323	0.56	
CWF	HZ	236.0	EP			05:31	24.26			0.64
CWF	HN	236.0	IAML			05:31	58.03	124	0.34	
CWF	HE	236.0	IAML			05:31	59.46	50	0.14	
AU07	HZ	239.0	EP			05:31	24.18			0.14
AU07	HN	239.0	IAML			05:32	07.82	408	0.58	
AU07	HE	239.0	IAML			05:32	13.01	334	0.32	
AU11	HZ	243.0	EP			05:31	24.37			-0.07
AU11	HE	243.0	IAML			05:32	03.02	86	0.40	
AU11	HN	243.0	IAML			05:32	11.72	88	0.74	
GDLE	HZ	250.0	EP			05:31	25.38			-0.04
GDLE	HE	250.0	IAML			05:32	06.15	194	0.56	
GDLE	HN	250.0	IAML			05:32	07.02	259	0.34	
LBWR	HZ	263.0	EP			05:31	27.39			0.39
LBWR	HE	263.0	IAML			05:32	13.70	230	0.29	
LBWR	HN	263.0	IAML			05:32	15.50	203	0.56	
AS02	HZ	283.0	EP			05:31	29.98			0.53
HLM1	HZ	345.0	EP			05:31	37.69			0.49
HLM1	HN	345.0	IAML			05:32	33.01	79	0.72	
HLM1	HE	345.0	IAML			05:32	34.17	103	0.44	
AQ12	HZ	360.0	EP			05:31	38.59			-0.49
AQ12	HN	360.0	IAML			05:32	38.13	39	0.82	
AQ12	HE	360.0	IAML			05:32	40.63	26	0.36	
FOEL	HZ	361.0	EP			05:31	39.45			0.30
FOEL	HE	361.0	IAML			05:32	43.25	149	0.50	
FOEL	HN	361.0	IAML			05:32	43.98	115	0.58	
MONM	HZ	363.0	EP			05:31	39.51			0.13
MONM	HE	363.0	IAML			05:32	35.15	130	0.74	
MONM	HN	363.0	IAML			05:32	39.28	105	0.78	
MCH1	HZ	369.0	EP			05:31	40.35			0.23
MCH1	HN	369.0	IAML			05:32	37.56	96	0.72	
MCH1	HE	369.0	IAML			05:32	43.79	64	0.60	
AP12	HZ	386.0	EP			05:31	41.93			-0.35
AP12	HN	386.0	IAML			05:32	50.56	26	0.54	
AP12	HE	386.0	IAML			05:32	56.05	32	0.74	
LLW	BZ	392.0	EP			05:31	43.29			0.25
NEWG	HZ	478.0	EP			05:31	52.93			-0.83
GAL1	HZ	495.0	EP			05:31	54.89			-0.95
GAL1	HE	495.0	IAML			05:33	22.93	10	0.56	
GAL1	HN	495.0	IAML			05:33	29.68	16	0.84	
JSA	HZ	524.0	EP			05:31	58.75			-0.64
DRUM	HZ	525.0	EP			05:31	58.72			-0.79
EAB	HZ	547.0	EP			05:32	01.58			-0.76
EAB	HN	547.0	IAML			05:33	34.69	5	0.58	
EAB	HE	547.0	IAML			05:33	38.81	10	0.72	

April 25 2020 Time: 04:11 52.6 UTC Magnitude: 0.8 ML
Lat: 53.957 Lon: -3.310 Depth: 2.5 km
Grid Ref: 314.05 kmE 452.03 kmN RMS: 0.50 secs
Locality: IRISH SEA
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 18KM WNW FLEETWOOD

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AQ05	HZ	27.5	EP			04:11	57.82			0.08
AQ04	HZ	30.1	EP			04:11	57.94			-0.25
AQ04	HE	30.1	ES			04:12	01.96			-0.30
AQ04	HN	30.1	IAML			04:12	02.57	143	0.25	
AQ04	HE	30.1	IAML			04:12	02.63	92	0.25	
AP12	HZ	39.4	EP			04:11	59.61			-0.18
AP12	HN	39.4	ES			04:12	04.74			-0.30
AP12	HE	39.4	IAML			04:12	05.54	5	0.19	
AP12	HN	39.4	IAML			04:12	05.66	3	0.13	
AQ12	HZ	64.7	EP			04:12	03.69			-0.21
KESW	HZ	71.6	EP			04:12	04.85			-0.10
KESW	HE	71.6	ES			04:12	13.91			-0.05
KESW	HN	71.6	IAML			04:12	15.31	3	0.30	
KESW	HE	71.6	IAML			04:12	15.42	4	0.49	
AR05	HZ	84.8	EP			04:12	06.72			-0.28
IOMK	HZ	88.8	EP			04:12	08.04			0.44
IOMK	HE	88.8	ES			04:12	18.52			-0.03
IOMK	HE	88.8	IAML			04:12	20.26	2	0.17	
IOMK	HN	88.8	IAML			04:12	20.50	2	0.23	
WME	EZ	90.5	EP			04:12	07.60			-0.25
AS02	HZ	98.2	EP			04:12	10.21			1.13
WLF1	HZ	103.0	EP			04:12	09.71			-0.12
FOEL	HZ	119.0	EP			04:12	12.07			-0.27
EDMD	HZ	131.0	EP			04:12	14.63			0.54
ESK	HZ	151.0	EP			04:12	18.56			1.45

April 26 2020 Time: 06:37 52.5 UTC Magnitude: 0.6 ML
Lat: 55.646 Lon: -5.848 Depth: 6.9 km
Grid Ref: 157.91 kmE 645.88 kmN RMS: 0.50 secs
Locality: GIGHA,ARGYLL & BUTE
Velocity model: Lownet Xnear: 75.0 Xfar: 150.0
Comment: OFFSHORE LOCATION

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CLGH	HN	64.8	ES			06:38	11.47			-0.04
CLGH	HN	64.8	IAML			06:38	12.59	3	0.24	
CLGH	HE	64.8	IAML			06:38	12.69	2	0.12	
LAWE	HZ	73.9	EP			06:38	04.67			-0.22
LAWE	HN	73.9	ES			06:38	14.07			0.15
LAWE	HN	73.9	IAML			06:38	17.84	2	0.15	
LAWE	HE	73.9	IAML			06:38	18.29	2	0.22	
PGB1	HN	87.7	ES			06:38	17.62			-0.02
PGB1	HN	87.7	IAML			06:38	18.23	4	0.13	
PGB1	HE	87.7	IAML			06:38	18.26	3	0.16	
GAL1	HZ	113.0	EP			06:38	12.33			1.40
GAL1	HN	113.0	ES			06:38	24.22			-0.15
GAL1	HE	113.0	IAML			06:38	26.45	3	0.17	
GAL1	HN	113.0	IAML			06:38	26.97	2	0.21	
NEWG	HZ	118.0	EP			06:38	11.07			-0.69
NEWG	HE	118.0	ES			06:38	25.50			-0.31
NEWG	HE	118.0	IAML			06:38	28.35	1	0.11	
NEWG	HN	118.0	IAML			06:38	28.50	1	0.13	

April 27 2020 Time: 17:02 03.9 UTC Magnitude: 0.7 ML
Lat: 52.931 Lon: -4.364 Depth: 10.7 km
Grid Ref: 241.13 kmE 339.72 kmN RMS: 0.10 secs
Locality: LLANARMON,GWYNEDD
Velocity model: Lleyn Xnear: 80.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WLF1	HZ	39.9	EP			17:02	10.70			-0.12
WLF1	HN	39.9	ES			17:02	15.63			0.09
WLF1	HN	39.9	IAML			17:02	15.87	11	0.10	

TABLE 2 : PHASE DATA

WLF1	HE	39.9	IAML	17:02	15.97	29	0.10	
LLW	BZ	47.9	EP	17:02	12.19			0.06
LLW	BE	47.9	ES	17:02	17.70			-0.04
LLW	BE	47.9	IAML	17:02	18.16	4	0.22	
LLW	BN	47.9	IAML	17:02	18.18	7	0.13	
FOEL	HZ	78.5	EP	17:02	17.00			-0.01
FOEL	HE	78.5	ES	17:02	25.93			0.00
FOEL	HN	78.5	IAML	17:02	26.56	2	0.25	
FOEL	HE	78.5	IAML	17:02	26.67	4	0.40	
LPW	HE	93.1	ES	17:02	29.68			0.02
LPW	HE	93.1	IAML	17:02	30.20	4	0.10	
LPW	HN	93.1	IAML	17:02	30.57	3	0.24	

April 29 2020 Time: 00:11 25.6 UTC Magnitude: -0.3 ML
Lat: 51.172 Lon: -0.256 Depth: 3.1 km
Grid Ref: 521.91 kmE 142.92 kmN RMS: 0.00 secs
Locality: NEWDIGATE,SURREY
Velocity model: Surrey Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
STAN	HZ	0.6	EP			00:11	26.68			-0.03
STAN	HN	0.6	ES			00:11	27.58			0.04
STAN	HN	0.6	IAML			00:11	27.70	47	0.12	
STAN	HE	0.6	IAML			00:11	27.79	20	0.30	
BRDL	HZ	1.9	IP		C	00:11	26.81			0.01
BRDL	HN	1.9	ES			00:11	27.68			-0.01
BRDL	HN	1.9	IAML			00:11	27.87	44	0.10	
BRDL	HE	1.9	IAML			00:11	27.93	34	0.12	
RUSH	HZ	2.8	IP		C	00:11	26.89			0.02
RUSH	HE	2.8	ES			00:11	27.80			-0.02
RUSH	HN	2.8	IAML			00:11	27.99	61	0.10	
RUSH	HE	2.8	IAML			00:11	28.39	9	0.15	
HORS	HZ	3.3	IP		D	00:11	27.00			0.04
HORS	HE	3.3	ES			00:11	27.94			-0.04
HORS	HN	3.3	IAML			00:11	28.19	13	0.11	
HORS	HE	3.3	IAML			00:11	28.52	11	0.15	
GAT2	HZ	3.7	EP	9		00:11	28.87			1.86
GAT2	HN	3.7	ES			00:11	29.94			0.02
GAT2	HE	3.7	IAML			00:11	30.11	102	0.09	
GAT2	HN	3.7	IAML			00:11	30.20	78	0.17	

May 1 2020 Time: 03:52 59.9 UTC Magnitude: 1.4 ML
Lat: 56.412 Lon: -5.762 Depth: 2.7 km
Grid Ref: 167.96 kmE 730.76 kmN RMS: 0.30 secs
Locality: MULL,ARGYLL & BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT MULL... Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	28.1	EP			03:53	04.98			-0.17
LAWE	HN	28.1	ES			03:53	08.70			-0.29
LAWE	HE	28.1	IAML			03:53	08.89	157	0.14	
LAWE	HN	28.1	IAML			03:53	08.97	122	0.12	
EAB	HZ	91.6	EP			03:53	15.52			0.20
EAB	HN	91.6	ES			03:53	26.62			0.03
EAB	HE	91.6	IAML			03:53	29.91	28	0.20	
EAB	HN	91.6	IAML			03:53	29.92	13	0.20	
KPL	HZ	103.0	EP			03:53	16.91			-0.18
KPL	HN	103.0	IAML			03:53	32.74	7	0.11	
KPL	HE	103.0	IAML			03:53	33.03	12	0.46	
PGB1	HZ	104.0	EP			03:53	17.63			0.42
PGB1	HN	104.0	IAML			03:53	32.83	13	0.25	
PGB1	HE	104.0	IAML			03:53	34.04	12	0.12	
INVG	HZ	106.0	EP			03:53	17.85			0.30
INVG	HN	106.0	ES			03:53	30.29			-0.16
INVG	HN	106.0	IAML			03:53	33.07	7	0.17	
INVG	HE	106.0	IAML			03:53	33.26	9	0.19	
CLGH	HZ	150.0	EP			03:53	23.87			-0.23
CLGH	HE	150.0	IAML			03:53	42.69	7	0.14	
CLGH	HN	150.0	IAML			03:53	43.11	12	0.18	
NEWG	HZ	173.0	EP			03:53	26.65			-0.80
NEWG	HN	173.0	IAML			03:53	50.96	3	0.28	
NEWG	HE	173.0	IAML			03:53	51.86	3	0.14	
IDGL	HZ	185.0	EP			03:53	29.10			0.14
LINV	HZ	196.0	EP			03:53	29.78			-0.51
LINV	HE	196.0	IAML			03:53	55.97	3	0.26	
LINV	HN	196.0	IAML			03:53	57.52	2	0.38	

May 5 2020 Time: 04:35 26.2 UTC Magnitude: 1.3 ML
Lat: 51.666 Lon: -3.219 Depth: 3.9 km
Grid Ref: 315.70 kmE 197.11 kmN RMS: 0.10 secs
Locality: BLACKWOOD,CAERPHILLY
Velocity model: Lownet Xnear: 50.0 Xfar: 120.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MONM	HZ	34.5	IP		C	04:35	32.54			-0.05
MONM	HE	34.5	ES			04:35	37.28			0.05
MONM	HE	34.5	IAML			04:35	37.58	72	0.20	
MONM	HN	34.5	IAML			04:35	38.37	43	0.22	
MCH1	HZ	39.9	EP			04:35	33.50			-0.01
MCH1	HN	39.9	ES			04:35	38.80			-0.01
MCH1	HE	39.9	IAML			04:35	39.08	34	0.16	
MCH1	HN	39.9	IAML			04:35	39.08	31	0.15	
STRD	HZ	74.0	EP			04:35	38.90			0.05
STRD	HN	74.0	ES			04:35	48.02			-0.04
STRD	HN	74.0	IAML			04:35	48.38	18	0.20	
STRD	HE	74.0	IAML			04:35	48.38	13	0.15	
RSBS	HZ	110.0	EP			04:35	45.18			0.75

May 6 2020 Time: 05:12 16.0 UTC Magnitude: 1.5 ML
Lat: 52.357 Lon: -3.136 Depth: 8.5 km
Grid Ref: 322.64 kmE 273.87 kmN RMS: 0.20 secs
Locality: KNIGHTON,POWYS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
HLM1	HZ	25.0	IP		C	05:12	20.99			0.14
HLM1	HE	25.0	ES			05:12	24.39			0.03
HLM1	HE	25.0	IAML			05:12	25.12	58	0.27	
HLM1	HN	25.0	IAML			05:12	25.20	58	0.13	
MCH1	HZ	41.1	EP			05:12	23.38			0.08
MCH1	HN	41.1	ES			05:12	28.39			-0.21
MCH1	HN	41.1	IAML			05:12	28.55	79	0.11	
MCH1	HE	41.1	IAML			05:12	28.65	53	0.19	
FOEL	HZ	59.4	EP			05:12	26.38			0.19
FOEL	HE	59.4	ES			05:12	33.29			-0.31
FOEL	HN	59.4	IAML			05:12	33.96	37	0.12	
FOEL	HE	59.4	IAML			05:12	34.22	23	0.22	
MONM	HZ	61.9	IP		D	05:12	26.62			0.11
MONM	HE	61.9	ES			05:12	34.14			-0.02
MONM	HN	61.9	IAML			05:12	34.47	15	0.20	
MONM	HE	61.9	IAML			05:12	34.54	22	0.29	
STRD	HZ	92.9	EP			05:12	31.53			0.20
STRD	HN	92.9	ES			05:12	42.31			-0.18
STRD	HN	92.9	IAML			05:12	43.07	19	0.09	
STRD	HE	92.9	IAML			05:12	46.34	18	0.18	
RSBS	HZ	119.0	EP			05:12	35.31			-0.06
RSBS	HN	119.0	ES			05:12	49.59			0.11
RSBS	HN	119.0	IAML			05:12	50.92	13	0.25	
RSBS	HE	119.0	IAML			05:12	51.17	15	0.07	
WLF1	HZ	134.0	EP			05:12	37.41			-0.09
WLF1	HE	134.0	ES			05:12	53.14			-0.03
WLF1	HN	134.0	IAML			05:12	54.49	10	0.09	
WLF1	HE	134.0	IAML			05:12	56.40	9	0.10	

May 8 2020 Time: 22:25 19.8 UTC Magnitude: 0.7 ML
Lat: 57.779 Lon: -5.633 Depth: 7.5 km
Grid Ref: 184.02 kmE 882.36 kmN RMS: 0.30 secs
Locality: POOLEWE,HIGHLAND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LINV	HZ	48.4	IP		D	22:25	28.29			0.12
LINV	HE	48.4	ES			22:25	34.06			-0.21
LINV	HN	48.4	IAML			22:25	34.31	5	0.10	
LINV	HE	48.4	IAML			22:25	34.35	4	0.12	
KPL	HZ	49.0	IP		C	22:25	28.47			0.22
KPL	HE	49.0	ES			22:25	34.11			-0.30
KPL	HN	49.0	IAML			22:25	34.51	6	0.11	
KPL	HE	49.0	IAML			22:25	34.70	8	0.16	
MCD	HZ	144.0	EP			22:25	43.15			0.43
MCD	HN	144.0	IAML			22:26	00.27	1	0.11	
MCD	HE	144.0	IAML			22:26	00.44	2	0.23	
LAWE	HE	170.0	ES			22:26	06.49			0.73
LAWE	HE	170.0	IAML			22:26	07.84	2	0.15	
LAWE	HN	170.0	IAML			22:26	08.50	2	0.14	
INVG	HZ	179.0	EP			22:25	46.84			-0.68

May 9 2020 Time: 19:17 43.7 UTC Magnitude: 1.4 ML
Lat: 51.150 Lon: -3.091 Depth: 7.8 km
Grid Ref: 323.70 kmE 139.60 kmN RMS: 0.20 secs
Locality: CANNINGTON,SOMERSET
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MONM	HZ	79.2	EP			19:17	56.98			0.11
MONM	HE	79.2	ES			19:18	06.63			0.16
MONM	HE	79.2	IAML			19:18	06.87	23	0.14	
MONM	HN	79.2	IAML			19:18	06.95	18	0.40	
STRD	HZ	94.9	EP			19:17	59.12			-0.20
STRD	HE	94.9	ES			19:18	10.56			-0.15
STRD	HE	94.9	IAML			19:18	13.98	14	0.12	
STRD	HN	94.9	IAML			19:18	14.24	13	0.15	
SWN1	HZ	98.6	EP			19:18	00.08			0.19
DYA	HZ	99.1	EP			19:18	00.01			0.02
DYA	HE	99.1	ES			19:18	11.56			-0.30
DYA	HN	99.1	IAML			19:18	13.10	11	0.11	
DYA	HE	99.1	IAML			19:18	13.77	18	0.14	
HTL	HZ	99.2	EP			19:18	00.15			0.19
HTL	HN	99.2	IAML			19:18	14.15	6	0.26	
HTL	HE	99.2	IAML			19:18	14.57	6	0.36	
SBD	BZ	130.0	EP			19:18	04.88			0.25
SBD	BZ	130.0	ES			19:18	20.27			0.38
RSBS	HZ	145.0	EP			19:18	06.43			-0.44
RSBS	HE	145.0	ES			19:18	23.23			-0.54
RSBS	HN	145.0	IAML			19:18	24.91	13	0.14	
RSBS	HE	145.0	IAML			19:18	24.96	10	0.16	
HLM1	HZ	153.0	EP			19:18	07.94			-0.04
HLM1	HN	153.0	ES			19:18	25.60			-0.09
HLM1	HN	153.0	IAML			19:18	26.09	4	0.20	
HLM1	HE	153.0	IAML			19:18	26.17	7	0.24	

TABLE 2 : PHASE DATA

May 10 2020 Time: 03:55 18.5 UTC Magnitude: 0.9 ML
Lat: 53.200 Lon: 0.523 Depth: 9.3 km
Grid Ref: 568.50 kmE 369.99 kmN RMS: 0.10 secs
Locality: SOUTHERN NORTH SEA
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0
Comment: 14KM NE SKEGNESS

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WACR	HZ	53.4	EP			03:55	27.59			-0.03
WACR	HN	53.4	ES			03:55	34.29			0.00
WACR	HE	53.4	IAML			03:55	34.82	10	0.15	
WACR	HN	53.4	IAML			03:55	35.40	12	0.20	
LMK	HZ	63.4	EP			03:55	29.23			0.05
LMK	HE	63.4	ES			03:55	37.13			0.14
ELMS	HZ	127.0	EP			03:55	38.77			-0.12
ELMS	HE	127.0	ES			03:55	54.01			0.22
ELMS	HN	127.0	IAML			03:55	55.52	4	0.17	
ELMS	HE	127.0	IAML			03:55	55.98	6	0.23	
CWF	HZ	133.0	EP			03:55	39.50			-0.30
CWF	HN	133.0	ES			03:55	55.40			0.04
CWF	HN	133.0	IAML			03:55	55.68	2	0.11	
CWF	HE	133.0	IAML			03:55	55.93	1	0.14	

May 13 2020 Time: 09:24 06.4 UTC Magnitude: 1.1 ML
Lat: 51.666 Lon: -3.224 Depth: 3.6 km
Grid Ref: 315.36 kmE 197.12 kmN RMS: 0.10 secs
Locality: BLACKWOOD,CAERPHILLY
Velocity model: Lownet Xnear: 50.0 Xfar: 120.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MONM	HZ	34.8	EP			09:24	12.76			-0.07
MONM	HN	34.8	ES			09:24	17.55			0.06
MONM	HE	34.8	IAML			09:24	17.74	52	0.20	
MONM	HN	34.8	IAML			09:24	18.42	42	0.20	
MCH1	HZ	40.0	EP			09:24	13.73			0.02
MCH1	HN	40.0	ES			09:24	19.01			-0.02
MCH1	HN	40.0	IAML			09:24	19.27	20	0.28	
MCH1	HE	40.0	IAML			09:24	19.28	30	0.26	
STRD	HZ	74.4	EP			09:24	19.16			0.04
STRD	HN	74.4	ES			09:24	28.34			-0.04
STRD	HN	74.4	IAML			09:24	28.62	16	0.19	
STRD	HE	74.4	IAML			09:24	28.62	10	0.17	
RSBS	HZ	110.0	EP			09:24	25.15			0.56
RSBS	HN	110.0	IAML			09:24	42.92	2	0.06	
RSBS	HE	110.0	IAML			09:24	43.76	3	0.06	

May 13 2020 Time: 12:11 10.2 UTC Magnitude: 1.3 ML
Lat: 55.935 Lon: -4.317 Depth: 7.7 km
Grid Ref: 255.28 kmE 673.75 kmN RMS: 0.20 secs
Locality: MILNGAVIE,E DUNB'SHIRE
Velocity model: Lownet Xnear: 80.0 Xfar: 160.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
GGERF	CZ	12.0	EP			12:11	12.70			-0.17
GGERF	CN	12.0	IAML			12:11	14.53	51	0.21	
GGERF	CE	12.0	IAML			12:11	14.69	140	0.35	
EAB	HZ	28.2	EP			12:11	15.50			0.07
EAB	HE	28.2	ES			12:11	19.31			0.03
EAB	HE	28.2	IAML			12:11	19.52	46	0.10	
EAB	HN	28.2	IAML			12:11	19.60	48	0.12	
INVG	HZ	57.3	EP			12:11	19.98			0.03
INVG	HE	57.3	ES			12:11	26.97			-0.12
INVG	HE	57.3	IAML			12:11	27.50	11	0.15	
INVG	HN	57.3	IAML			12:11	29.90	5	0.18	
LAWE	HZ	76.4	EP			12:11	23.19			0.31
LAWE	HN	76.4	ES			12:11	31.91			-0.26
LAWE	HN	76.4	IAML			12:11	35.03	32	0.22	
LAWE	HE	76.4	IAML			12:11	35.15	19	0.23	
NEWG	HZ	91.2	EP			12:11	25.26			0.09
NEWG	HE	91.2	ES			12:11	35.91			-0.22
NEWG	HE	91.2	IAML			12:11	36.12	9	0.20	
NEWG	HN	91.2	IAML			12:11	38.68	15	0.26	
ESK	HZ	98.2	EP			12:11	26.46			0.18
ESK	HE	98.2	IAML			12:11	41.06	11	0.16	
ESK	HN	98.2	IAML			12:11	41.24	15	0.26	
GAL1	HZ	122.0	EP			12:11	30.33			0.45
GAL1	HE	122.0	IAML			12:11	45.87	17	0.18	
GAL1	HN	122.0	IAML			12:11	46.28	7	0.15	
CLGH	HZ	148.0	EP			12:11	33.86			0.20
CLGH	HN	148.0	IAML			12:11	52.91	8	0.14	
CLGH	HE	148.0	IAML			12:11	53.69	7	0.15	

May 14 2020 Time: 03:52 54.7 UTC Magnitude: 0.5 ML
Lat: 54.164 Lon: -4.104 Depth: 9.1 km
Grid Ref: 262.65 kmE 476.31 kmN RMS: 0.30 secs
Locality: IRISH SEA
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 20KM ESE LAXEY,IOM

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
IOMK	HZ	32.0	EP			03:53	00.72			0.13
IOMK	HN	32.0	ES			03:53	04.61			-0.25
IOMK	HN	32.0	IAML			03:53	05.04	4	0.07	
IOMK	HE	32.0	IAML			03:53	05.07	4	0.08	
WIM	EZ	37.3	EP			03:53	01.33			-0.11
AP12	HZ	57.0	EP			03:53	04.30			-0.16
AP12	HN	57.0	ES			03:53	11.48			-0.08
AP12	HE	57.0	IAML			03:53	12.85	2	0.10	
AP12	HN	57.0	IAML			03:53	12.87	2	0.15	
KESW	HZ	80.3	EP			03:53	08.25			0.16
KESW	HN	80.3	ES			03:53	17.70			-0.14
KESW	HN	80.3	IAML			03:53	18.82	3	0.24	
KESW	HE	80.3	IAML			03:53	19.53	2	0.18	
GAL1	HZ	87.5	EP			03:53	09.60			0.42
GAL1	HN	87.5	ES			03:53	19.73			0.02
GAL1	HE	87.5	IAML			03:53	20.06	2	0.22	
GAL1	HN	87.5	IAML			03:53	20.72	2	0.14	
WLF1	HZ	99.2	EP			03:53	11.29			0.31
WLF1	HE	99.2	ES			03:53	22.51			-0.33
WLF1	HE	99.2	IAML			03:53	22.96	4	0.34	
WLF1	HN	99.2	IAML			03:53	23.82	2	0.19	
NEWG	HZ	106.0	EP			03:53	12.62			0.50
NEWG	HE	106.0	ES			03:53	24.27			-0.53
NEWG	HN	106.0	IAML			03:53	25.48	1	0.06	
NEWG	HE	106.0	IAML			03:53	25.54	2	0.20	
AR09	HZ	109.0	EP			03:53	12.67			0.13
AR09	HN	109.0	ES			03:53	25.54			0.00
ESK	HN	141.0	ES			03:53	33.36			-0.15
ESK	HE	141.0	IAML			03:53	34.93	1	0.18	
ESK	HN	141.0	IAML			03:53	34.94	2	0.14	

May 14 2020 Time: 09:59 10.5 UTC Magnitude: 0.9 ML
Lat: 56.365 Lon: -5.456 Depth: 4.5 km
Grid Ref: 186.56 kmE 724.54 kmN RMS: 0.10 secs
Locality: KILBRIDE,ARGYLL & BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	12.2	IP		D	09:59	13.02			-0.03
LAWE	HN	12.2	ES			09:59	14.87			-0.07
LAWE	HE	12.2	IAML			09:59	15.07	103	0.10	
LAWE	HN	12.2	IAML			09:59	15.11	98	0.22	
EAB	HZ	72.0	EP			09:59	22.81			0.09
EAB	HE	72.0	ES			09:59	31.70			0.02
EAB	HE	72.0	IAML			09:59	34.81	6	0.05	
EAB	HN	72.0	IAML			09:59	34.92	3	0.07	
INVG	HZ	87.5	EP			09:59	25.22			0.10
INVG	HN	87.5	ES			09:59	35.72			-0.11
INVG	HE	87.5	IAML			09:59	38.26	5	0.10	
INVG	HN	87.5	IAML			09:59	38.30	4	0.10	
KPL	HZ	109.0	EP			09:59	28.57			0.14
KPL	HN	109.0	ES			09:59	41.40			-0.15
KPL	HN	109.0	IAML			09:59	43.78	2	0.17	
KPL	HE	109.0	IAML			09:59	44.33	3	0.16	

May 14 2020 Time: 21:21 28.0 UTC Magnitude: 0.4 ML
Lat: 54.234 Lon: -2.796 Depth: 2.9 km
Grid Ref: 348.12 kmE 482.34 kmN RMS: 0.20 secs
Locality: MILNTHORPE,CUMBRIA
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AQ12	HZ	22.7	EP			21:21	32.55			0.19
AQ12	HN	22.7	ES			21:21	35.39			-0.18
AQ12	HN	22.7	IAML			21:21	35.52	7	0.08	
AQ12	HE	22.7	IAML			21:21	35.52	12	0.08	
AR09	HZ	23.2	EP			21:21	32.57			0.11
AR09	HN	23.2	ES			21:21	35.56			-0.17
AR09	HN	23.2	IAML			21:21	35.89	23	0.10	
AR09	HE	23.2	IAML			21:21	36.04	22	0.07	
AP12	HZ	31.8	EP			21:21	33.88			0.01
AP12	HN	31.8	ES			21:21	37.99			-0.18
AP12	HE	31.8	IAML			21:21	38.07	2	0.14	
AP12	HN	31.8	IAML			21:21	38.09	2	0.08	
KESW	HZ	44.2	EP			21:21	36.20			0.21

May 14 2020 Time: 22:53 02.7 UTC Magnitude: 1.8 ML
Lat: 56.382 Lon: -5.738 Depth: 11.7 km
Grid Ref: 169.26 kmE 727.34 kmN RMS: 0.30 secs
Locality: MULL,ARGYLL & BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT MULL... Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	25.0	IP		C	22:53	07.50			-0.01
LAWE	HN	25.0	ES			22:53	10.67			-0.38
LAWE	HN	25.0	IAML			22:53	10.76	241	0.08	
LAWE	HE	25.0	IAML			22:53	10.93	186	0.12	
EAB	HZ	89.4	EP			22:53	17.51			0.08
EAB	HN	89.4	ES			22:53	28.56			0.34
EAB	HN	89.4	IAML			22:53	30.27	50	0.11	
EAB	HE	89.4	IAML			22:53	30.40	57	0.18	
INVG	HZ	105.0	EP			22:53	19.67			-0.10
INVG	HE	105.0	ES			22:53	31.99			-0.27
INVG	HN	105.0	IAML			22:53	33.66	28	0.12	
INVG	HE	105.0	IAML			22:53	33.72	25	0.12	
KPL	HZ	107.0	EP			22:53	20.07			0.08
KPL	HE	107.0	ES			22:53	32.53			-0.11
KPL	HE	107.0	IAML			22:53	34.85	38	0.24	
KPL	HN	107.0	IAML			22:53	35.06	26	0.18	
GGERF	CZ	112.0	EP			22:53	21.34			0.60
GGERF	CE	112.0	IAML			22:53	36.15	13	0.27	
GGERF	CN	112.0	IAML			22:53	36.19	18	0.22	
CLGH	HZ	147.0	EP			22:53	25.66			-0.08
CLGH	HN	147.0	ES			22:53	42.41			-0.18

TABLE 2 : PHASE DATA

CLGH	HN	147.0	IAML	22:53	46.27	22	0.28	
CLGH	HE	147.0	IAML	22:53	47.13	23	0.18	
NEWG	HZ	170.0	EP	22:53	28.57			-0.27
NEWG	HE	170.0	IAML	22:53	50.84	13	0.30	
NEWG	HN	170.0	IAML	22:53	52.66	10	0.19	
GAL1	HZ	181.0	EP	22:53	30.04			-0.17
GAL1	HN	181.0	ES	22:53	49.50			-0.83
GAL1	HE	181.0	IAML	22:53	55.32	9	0.18	
GAL1	HN	181.0	IAML	22:53	56.26	6	0.13	
IDGL	HN	184.0	IAML	22:53	54.86	10	0.28	
IDGL	HE	184.0	IAML	22:53	55.26	10	0.40	
ESK	HZ	198.0	EP	22:53	32.59			0.18
ESK	HN	198.0	IAML	22:54	01.92	7	0.32	
ESK	HE	198.0	IAML	22:54	02.35	5	0.28	
LINV	HZ	199.0	EP	22:53	31.80			-0.71
LINV	HN	199.0	IAML	22:53	59.10	10	0.25	
LINV	HE	199.0	IAML	22:53	59.77	14	0.17	
MCD	HZ	202.0	EP	22:53	31.83			-1.04
MCD	HE	202.0	IAML	22:54	02.90	16	0.28	
MCD	HN	202.0	IAML	22:54	03.01	13	0.26	

May 14 2020 Time: 23:55 55.4 UTC Magnitude: 1.0 ML
Lat: 51.757 Lon: -3.923 Depth: 10.1 km
Grid Ref: 267.29 kmE 208.28 kmN RMS: 0.30 secs
Locality: GARNSWLLT,SWANSEA
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 5KM EAST GARNSWLLT

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
RSBS	HZ	60.7	EP			23:56	05.73			0.02
RSBS	HE	60.7	ES			23:56	13.06			-0.18
RSBS	HE	60.7	IAML			23:56	13.41	15	0.10	
RSBS	HN	60.7	IAML			23:56	13.45	8	0.16	
MCH1	HZ	69.0	EP			23:56	06.91			-0.08
MCH1	HN	69.0	ES			23:56	15.24			-0.22
MCH1	HE	69.0	IAML			23:56	15.38	6	0.12	
MCH1	HN	69.0	IAML			23:56	15.45	6	0.18	
MONM	HZ	77.7	EP			23:56	08.34			0.03
MONM	HN	77.7	ES			23:56	17.80			0.05
MONM	HE	77.7	IAML			23:56	18.01	10	0.14	
MONM	HN	77.7	IAML			23:56	18.18	10	0.16	
HTL	HZ	93.4	EP			23:56	10.95			0.21
HLM1	HZ	111.0	EP			23:56	13.53			0.04
HLM1	HN	111.0	ES			23:56	26.28			-0.42
HLM1	HE	111.0	IAML			23:56	29.41	3	0.32	
HLM1	HN	111.0	IAML			23:56	29.51	3	0.11	
STRD	HZ	122.0	EP			23:56	15.29			0.31
STRD	HE	122.0	IAML			23:56	30.35	10	0.16	
STRD	HN	122.0	IAML			23:56	30.52	11	0.19	
LLW	BZ	123.0	EP			23:56	15.46			0.30
LLW	BE	123.0	IAML			23:56	30.85	1	0.15	
LLW	BN	123.0	IAML			23:56	31.55	2	0.10	
FOEL	HZ	135.0	EP			23:56	17.57			0.57
DYA	HN	147.0	ES			23:56	35.11			-0.49
DYA	HE	147.0	IAML			23:56	36.40	3	0.28	
DYA	HN	147.0	IAML			23:56	36.82	3	0.30	

May 15 2020 Time: 01:32 03.3 UTC Magnitude: 1.6 ML
Lat: 55.089 Lon: -0.506 Depth: 8.9 km
Grid Ref: 495.34 kmE 578.20 kmN RMS: 0.50 secs
Locality: CENTRAL NORTH SEA
Velocity model: North Sea Xnear: 400.0 Xfar: 600.0
Comment: 60KM ENE SUNDERLAND

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
GDLE	HZ	76.9	EP			01:32	15.66			-0.17
GDLE	HN	76.9	ES			01:32	24.79			-0.16
GDLE	HN	76.9	IAML			01:32	25.51	64	0.28	
GDLE	HE	76.9	IAML			01:32	25.53	44	0.26	
AT12	HZ	83.1	EP			01:32	17.01			0.18
AT12	HE	83.1	IAML			01:32	28.29	50	0.26	
AT12	HN	83.1	IAML			01:32	28.36	46	0.25	
AT10	HZ	90.9	EP			01:32	18.18			0.10
AT10	HN	90.9	ES			01:32	29.04			0.20
AT10	HN	90.9	IAML			01:32	29.38	35	0.44	
AT10	HE	90.9	IAML			01:32	29.67	27	0.28	
AU18	HZ	94.5	EP			01:32	18.35			-0.27
AU18	HE	94.5	ES			01:32	29.83			0.06
AU18	HE	94.5	IAML			01:32	30.15	27	0.42	
AU18	HN	94.5	IAML			01:32	30.85	17	0.13	
EDMD	HZ	97.6	EP			01:32	18.64			-0.45
EDMD	HN	97.6	ES			01:32	30.58			-0.01
EDMD	HE	97.6	IAML			01:32	32.63	8	0.10	
EDMD	HN	97.6	IAML			01:32	33.24	8	0.10	
AU15	HZ	98.8	EP			01:32	19.26			-0.02
AU15	HE	98.8	ES			01:32	30.99			0.09
AU15	HE	98.8	IAML			01:32	31.59	32	0.22	
AU15	HN	98.8	IAML			01:32	32.23	27	0.16	
AV06	HZ	103.0	EP			01:32	19.51			-0.43
AV06	HE	103.0	ES			01:32	32.22			0.17
AV06	HE	103.0	IAML			01:32	32.65	12	0.22	
AV06	HN	103.0	IAML			01:32	32.93	7	0.32	
AU11	HZ	103.0	EP			01:32	19.12			-0.80
AU11	HE	103.0	ES			01:32	31.98			-0.05
AU11	HN	103.0	IAML			01:32	32.39	16	0.30	
AU11	HE	103.0	IAML			01:32	32.42	16	0.25	
AU08	HZ	108.0	EP			01:32	20.53			-0.16
AU07	HE	113.0	ES			01:32	34.89			0.29
AU07	HE	113.0	IAML			01:32	35.20	24	0.26	
AU07	HN	113.0	IAML			01:32	35.71	39	0.24	
AS07	HZ	131.0	EP			01:32	23.77			-0.50
AS07	HN	131.0	ES			01:32	39.04			-0.50
AR05	HE	157.0	ES			01:32	46.14			1.12
AR05	HE	157.0	IAML			01:32	47.15	6	0.14	
AR05	HN	157.0	IAML			01:32	47.16	5	0.19	
AR09	HN	158.0	ES			01:32	46.59			1.32
AR09	HE	158.0	IAML			01:32	48.16	17	0.17	
AR09	HN	158.0	IAML			01:32	48.57	13	0.08	

May 15 2020 Time: 18:01 34.3 UTC Magnitude: 0.6 ML
Lat: 56.077 Lon: -5.145 Depth: 11.3 km
Grid Ref: 204.30 kmE 691.58 kmN RMS: 0.10 secs
Locality: DUNANS,ARGYLL & BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	25.7	EP			18:01	39.24			0.05
LAWE	HN	25.7	ES			18:01	42.70			-0.10
LAWE	HN	25.7	IAML			18:01	43.43	6	0.13	
LAWE	HE	25.7	IAML			18:01	43.49	10	0.11	
PGB1	HZ	50.8	EP			18:01	43.15			0.10
PGB1	HN	50.8	ES			18:01	49.37			-0.09
PGB1	HN	50.8	IAML			18:01	49.79	5	0.12	
PGB1	HE	50.8	IAML			18:01	49.84	6	0.13	
EAB	HZ	51.8	EP			18:01	43.47			0.27
EAB	HE	51.8	ES			18:01	49.62			-0.11
EAB	HN	51.8	IAML			18:01	50.74	5	0.12	
EAB	HE	51.8	IAML			18:01	51.03	4	0.09	
INVG	HZ	78.6	EP			18:01	47.41			0.05
INVG	HN	78.6	ES			18:01	56.85			-0.07
INVG	HE	78.6	IAML			18:02	00.22	2	0.08	
INVG	HN	78.6	IAML			18:02	00.52	2	0.09	
NEWG	HZ	121.0	EP			18:01	53.60			-0.15
NEWG	HE	121.0	IAML			18:02	09.03	3	0.12	
NEWG	HN	121.0	IAML			18:02	09.06	2	0.10	

May 23 2020 Time: 12:50 59.0 UTC Magnitude: 1.1 ML
Lat: 56.430 Lon: -5.605 Depth: 2.5 km
Grid Ref: 177.75 kmE 732.24 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
LAWE	HZ	22.8	EP			12:51	03.37			-0.02
LAWE	HN	22.8	ES			12:51	06.47			-0.10
LAWE	HE	22.8	IAML			12:51	06.60	41	0.09	
LAWE	HN	22.8	IAML			12:51	06.60	67	0.10	
EAB	HZ	82.9	EP			12:51	13.15			0.02
EAB	HE	82.9	IAML			12:51	25.05	11	0.13	
EAB	HN	82.9	IAML			12:51	25.24	8	0.10	
INVG	HZ	96.3	EP			12:51	15.31			0.11
INVG	HE	96.3	ES			12:51	26.94			-0.07
INVG	HE	96.3	IAML			12:51	28.20	7	0.07	
INVG	HN	96.3	IAML			12:51	28.35	7	0.07	
PGB1	HZ	98.0	EP			12:51	15.58			0.13
KPL	HZ	101.0	EP			12:51	15.89			-0.02
KPL	HE	101.0	ES			12:51	28.19			-0.05
KPL	HE	101.0	IAML			12:51	30.23	4	0.18	
KPL	HN	101.0	IAML			12:51	30.76	3	0.16	

May 24 2020 Time: 15:16 56.9 UTC Magnitude: 0.6 ML
Lat: 51.157 Lon: -0.250 Depth: 2.4 km
Grid Ref: 522.37 kmE 141.26 kmN RMS: 0.00 secs
Locality: NEWDIGATE,SURREY
Velocity model: Surrey Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
STAN	HZ	1.4	EP			15:16	57.83			-0.04
STAN	HE	1.4	ES			15:16	58.56			-0.01
STAN	HN	1.4	IAML			15:16	58.60	622	0.14	
STAN	HE	1.4	IAML			15:16	58.63	458	0.16	
RUSH	HZ	1.6	IP		C	15:16	57.87			0.00
RUSH	HN	1.6	ES			15:16	58.59			0.02
RUSH	HE	1.6	IAML			15:16	58.69	601	0.09	
RUSH	HN	1.6	IAML			15:16	58.70	972	0.10	
BRDL	HZ	3.6	EP			15:16	58.19			-0.04
BRDL	HN	3.6	IAML			15:16	59.40	339	0.10	
BRDL	HE	3.6	ES			15:16	59.24			0.05
BRDL	HE	3.6	IAML			15:16	59.39	446	0.11	
HORS	HZ	3.6	EP			15:16	58.22			0.00
HORS	HN	3.6	IAML			15:16	59.33	212	0.26	
HORS	HE	3.6	ES			15:16	59.21			0.03
HORS	HE	3.6	IAML			15:16	59.33	125	0.11	

May 24 2020 Time: 17:36 20.9 UTC Magnitude: 1.6 ML
Lat: 51.896 Lon: -0.937 Depth: 8.8 km
Grid Ref: 473.14 kmE 222.52 kmN RMS: 0.30 secs
Locality: QUAINTON,BUCKS
Velocity model: Lownet Xnear: 100.0 Xfar: 300.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
SWN1	HZ	73.3	EP			17:36	33.03			-0.12
SWN1	HE	73.3	ES			17:36	42.13			0.04
SWN1	HE	73.3	IAML			17:36	42.68	22	0.20	

TABLE 2 : PHASE DATA

SWN1	HN	73.3	IAML	17:36	43.26	26	0.32	
CWF	HZ	97.0	EP	17:36	36.82			0.00
CWF	HN	97.0	ES	17:36	48.14			-0.31
CWF	HE	97.0	IAML	17:36	49.75	10	0.11	
CWF	HN	97.0	IAML	17:36	51.00	6	0.05	
STBN	CZ	107.0	EP	17:36	38.44			0.13
BRAD	CZ	128.0	EP	17:36	41.57			0.10
BRAD	CE	128.0	ES	17:36	55.93			-0.56
BRAD	CE	128.0	IAML	17:36	57.57	14	0.25	
BRAD	CN	128.0	IAML	17:36	57.62	11	0.17	
MONM	HZ	129.0	EP	17:36	41.49			-0.09
ELMS	HZ	134.0	EP	17:36	42.80			0.46
WACR	HZ	141.0	EP	17:36	43.71			0.39
WACR	HE	141.0	IAML	17:37	01.93	17	0.21	
WACR	HN	141.0	IAML	17:37	02.32	17	0.20	
MCH1	HZ	142.0	EP	17:36	43.31			-0.21
HLM1	HZ	150.0	EP	17:36	45.03			0.38
HLM1	HE	150.0	ES	17:37	02.03			0.04
HLM1	HN	150.0	IAML	17:37	02.82	14	0.20	
HLM1	HE	150.0	IAML	17:37	02.89	15	0.12	

May 27 2020 Time: 09:04 25.0 UTC Magnitude: 0.7 ML
Lat: 56.285 Lon: -3.723 Depth: 2.5 km
Grid Ref: 293.35 kmE 711.61 kmN RMS: 0.30 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	25.4	EP			09:04	29.73			-0.04
INVG	HN	25.4	ES			09:04	33.15			-0.14
INVG	HE	25.4	IAML			09:04	33.35	5	0.10	
INVG	HN	25.4	IAML			09:04	33.35	5	0.10	
EAB	HZ	39.6	EP			09:04	31.86			-0.32
EAB	HE	39.6	IAML			09:04	39.91	5	0.08	
EAB	HN	39.6	IAML			09:04	39.99	7	0.05	
EDI	HN	52.2	ES			09:04	40.65			-0.41
EDI	HN	52.2	IAML			09:04	40.80	4	0.10	
EDI	HE	52.2	IAML			09:04	40.99	3	0.11	
DRUM	HE	103.0	ES			09:04	54.89			0.13
DRUM	HE	103.0	IAML			09:04	56.50	13	0.24	
DRUM	HN	103.0	IAML			09:04	56.71	5	0.22	
LAWE	HZ	104.0	EP			09:04	42.32			0.05
LAWE	HN	104.0	ES			09:04	55.17			0.26
LAWE	HN	104.0	IAML			09:04	56.74	5	0.16	
LAWE	HE	104.0	IAML			09:04	57.00	5	0.22	
ESK	HZ	113.0	EP			09:04	44.24			0.59
ESK	HN	113.0	ES			09:04	57.45			0.16
ESK	HN	113.0	IAML			09:04	59.78	3	0.12	
ESK	HE	113.0	IAML			09:05	00.11	4	0.23	
NEWG	HZ	134.0	EP			09:04	46.74			-0.16
NEWG	HE	134.0	IAML			09:05	04.41	2	0.19	
NEWG	HN	134.0	IAML			09:05	04.84	2	0.10	

May 29 2020 Time: 17:19 05.4 UTC Magnitude: 0.8 ML
Lat: 52.878 Lon: -2.143 Depth: 10.6 km
Grid Ref: 390.38 kmE 331.22 kmN RMS: 0.20 secs
Locality: STONE,STAFFORDSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
STNC	HZ	24.1	EP			17:19	10.28			0.24
STNC	HN	24.1	ES			17:19	13.50			0.04
STNC	HN	24.1	IAML			17:19	14.12	43	0.30	
STNC	HE	24.1	IAML			17:19	14.13	29	0.07	
CWF	HZ	58.4	EP			17:19	15.57			0.25
CWF	HN	58.4	ES			17:19	22.40			-0.18
CWF	HE	58.4	IAML			17:19	23.02	6	0.11	
CWF	HN	58.4	IAML			17:19	23.11	11	0.20	
HLM1	HZ	64.0	IP		C	17:19	16.20			-0.02
HLM1	HN	64.0	ES			17:19	24.01			-0.14
HLM1	HE	64.0	IAML			17:19	24.62	4	0.16	
HLM1	HN	64.0	IAML			17:19	24.90	4	0.09	
LBWR	HN	64.6	ES			17:19	24.01			-0.27
LBWR	HE	64.6	IAML			17:19	24.75	7	0.10	
LBWR	HN	64.6	IAML			17:19	25.22	6	0.17	
FOEL	HZ	71.2	EP			17:19	17.64			0.30
FOEL	HE	71.2	ES			17:19	25.83			-0.25
FOEL	HE	71.2	IAML			17:19	27.00	2	0.24	
FOEL	HN	71.2	IAML			17:19	27.53	2	0.14	
MCH1	HN	114.0	ES			17:19	37.39			0.04
MCH1	HN	114.0	IAML			17:19	38.42	4	0.17	
MCH1	HE	114.0	IAML			17:19	38.99	4	0.18	

May 31 2020 Time: 21:15 39.9 UTC Magnitude: 0.7 ML
Lat: 53.147 Lon: -1.707 Depth: 7.0 km
Grid Ref: 419.59 kmE 361.17 kmN RMS: 0.30 secs
Locality: GRATTON,DERBYSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LBWR	HZ	28.3	EP			21:15	45.56			0.34
LBWR	HN	28.3	ES			21:15	49.52			0.40
LBWR	HN	28.3	IAML			21:15	49.79	25	0.12	
LBWR	HE	28.3	IAML			21:15	49.96	19	0.11	
AS02	HZ	48.9	EP			21:15	48.28			-0.13
AS02	HN	48.9	ES			21:15	54.34			-0.29
AS02	HN	48.9	IAML			21:15	54.64	5	0.13	
AS02	HE	48.9	IAML			21:15	55.02	3	0.14	
CWF	HZ	52.8	EP			21:15	48.90			-0.09
CWF	HN	52.8	ES			21:15	55.36			-0.27
CWF	HE	52.8	IAML			21:15	56.16	3	0.13	
CWF	HN	52.8	IAML			21:15	56.22	3	0.08	
AR05	HZ	96.1	EP			21:15	55.68			-0.04
AR05	HN	96.1	ES			21:16	06.84			-0.44
AR05	HN	96.1	IAML			21:16	08.43	5	0.24	
AR05	HE	96.1	IAML			21:16	08.47	5	0.16	
LMK	HZ	98.3	EP			21:15	56.27			0.24
HLM1	HZ	106.0	EP			21:15	57.30			0.08
HLM1	HN	106.0	ES			21:16	10.04			0.17
HLM1	HN	106.0	IAML			21:16	10.65	2	0.16	
HLM1	HE	106.0	IAML			21:16	12.33	3	0.17	
MCH1	HE	155.0	ES			21:16	22.63			0.22

June 2 2020 Time: 05:51 19.9 UTC Magnitude: 0.8 ML
Lat: 55.667 Lon: -4.824 Depth: 7.7 km
Grid Ref: 222.41 kmE 645.11 kmN RMS: 0.20 secs
Locality: ARDROSSAN,AYRSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
EAB	HZ	65.6	IP		D	05:51	30.99			0.07
EAB	HE	65.6	ES			05:51	38.83			-0.17
EAB	HN	65.6	IAML			05:51	39.16	6	0.16	
EAB	HE	65.6	IAML			05:51	39.42	6	0.14	
NEWG	HZ	71.8	EP			05:51	31.72			-0.15
NEWG	HN	71.8	IAML			05:51	44.21	3	0.16	
NEWG	HE	71.8	IAML			05:51	44.51	5	0.09	
LAWE	HZ	75.2	EP			05:51	32.70			0.32
LAWE	HN	75.2	ES			05:51	41.21			-0.31
LAWE	HN	75.2	IAML			05:51	43.53	2	0.12	
LAWE	HE	75.2	IAML			05:51	44.42	3	0.12	
GAL1	HZ	89.4	EP			05:51	34.84			0.25
GAL1	HE	89.4	ES			05:51	45.05			-0.28
GAL1	HE	89.4	IAML			05:51	47.46	2	0.06	
GAL1	HN	89.4	IAML			05:51	48.40	4	0.17	
INVG	HZ	97.6	EP			05:51	36.02			0.13
INVG	HN	97.6	IAML			05:51	51.12	3	0.20	
INVG	HE	97.6	IAML			05:51	51.22	3	0.18	
CLGH	HZ	104.0	EP			05:51	36.99			0.07
CLGH	HN	104.0	IAML			05:51	51.51	4	0.18	
CLGH	HE	104.0	IAML			05:51	52.60	3	0.16	
ESK	HZ	110.0	EP			05:51	37.83			0.10
ESK	HE	110.0	IAML			05:51	52.81	3	0.18	
ESK	HN	110.0	IAML			05:51	52.99	5	0.26	

June 3 2020 Time: 18:38 06.4 UTC Magnitude: 1.4 ML
Lat: 55.661 Lon: -4.813 Depth: 7.7 km
Grid Ref: 223.07 kmE 644.42 kmN RMS: 0.30 secs
Locality: ARDROSSAN,AYRSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
PGB1	HZ	26.6	IP		C	18:38	11.45			0.04
PGB1	HN	26.6	ES			18:38	14.83			-0.24
PGB1	HE	26.6	IAML			18:38	14.99	51	0.08	
PGB1	HN	26.6	IAML			18:38	15.14	88	0.29	
GGERF	CN	42.1	ES			18:38	19.12			-0.05
EAB	HZ	65.8	IP		D	18:38	17.69			0.18
EAB	HN	65.8	ES			18:38	25.44			-0.17
EAB	HN	65.8	IAML			18:38	25.91	19	0.12	
EAB	HE	65.8	IAML			18:38	26.04	19	0.23	
NEWG	HZ	70.9	IP		C	18:38	18.41			0.14
NEWG	HN	70.9	ES			18:38	26.72			-0.21
NEWG	HN	70.9	IAML			18:38	30.87	15	0.13	
NEWG	HE	70.9	IAML			18:38	31.23	21	0.15	
LAWE	HZ	76.1	EP			18:38	19.33			0.27
LAWE	HN	76.1	ES			18:38	27.86			-0.44
LAWE	HN	76.1	IAML			18:38	30.18	8	0.10	
LAWE	HE	76.1	IAML			18:38	31.09	11	0.10	
GAL1	HZ	88.7	EP			18:38	21.21			0.19
GAL1	HE	88.7	ES			18:38	31.14			-0.55
GAL1	HE	88.7	IAML			18:38	34.15	10	0.09	
GAL1	HN	88.7	IAML			18:38	35.09	14	0.15	
INVG	HZ	97.9	EP			18:38	22.53			0.06
INVG	HN	97.9	IAML			18:38	37.81	10	0.20	
INVG	HE	97.9	IAML			18:38	37.83	11	0.16	
CLGH	HZ	104.0	EP			18:38	23.88			0.40
CLGH	HN	104.0	IAML			18:38	38.24	16	0.14	
CLGH	HE	104.0	IAML			18:38	38.45	16	0.22	
EDI	HZ	106.0	EP			18:38	23.67			-0.04
EDI	HN	106.0	ES			18:38	36.67			0.32
EDI	HN	106.0	IAML			18:38	36.99	9	0.30	
EDI	HE	106.0	IAML			18:38	37.61	8	0.24	
ESK	HZ	109.0	EP			18:38	24.35			0.21
ESK	HE	109.0	IAML			18:38	39.49	13	0.16	
ESK	HN	109.0	IAML			18:38	39.67	18	0.24	
KPL	HZ	194.0	EP			18:38	36.18			0.24

TABLE 2 : PHASE DATA

June 4 2020 Time: 00:27 21.9 UTC Magnitude: 1.1 ML
Lat: 55.665 Lon: -4.810 Depth: 7.7 km
Grid Ref: 223.28 kmE 644.86 kmN RMS: 0.20 secs
Locality: ARDROSSAN,AYRSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
PGB1	HZ	26.2	EP			00:27	26.84			0.03
PGB1	HE	26.2	ES			00:27	30.15			-0.27
PGB1	HE	26.2	IAML			00:27	30.39	28	0.08	
PGB1	HN	26.2	IAML			00:27	30.48	44	0.19	
GGERF	CN	41.7	ES			00:27	34.58			0.05
EAB	HZ	65.4	IP		C	00:27	33.11			0.21
EAB	HN	65.4	ES			00:27	40.95			0.00
EAB	HN	65.4	IAML			00:27	41.32	10	0.17	
EAB	HE	65.4	IAML			00:27	41.41	10	0.17	
NEWG	HZ	71.2	EP			00:27	33.82			0.04
NEWG	HN	71.2	ES			00:27	42.18			-0.29
NEWG	HN	71.2	IAML			00:27	46.27	8	0.14	
NEWG	HE	71.2	IAML			00:27	46.57	10	0.06	
LAWE	HZ	75.8	EP			00:27	34.73			0.24
LAWE	HE	75.8	ES			00:27	43.28			-0.43
LAWE	HE	75.8	IAML			00:27	46.48	5	0.12	
LAWE	HN	75.8	IAML			00:27	47.00	4	0.23	
GAL1	HZ	89.1	EP			00:27	36.69			0.14
GAL1	HE	89.1	ES			00:27	47.13			-0.14
GAL1	HE	89.1	IAML			00:27	49.57	6	0.09	
GAL1	HN	89.1	IAML			00:27	50.49	8	0.15	
INVG	HZ	97.4	EP			00:27	38.00			0.13
INVG	HN	97.4	IAML			00:27	53.20	5	0.22	
INVG	HE	97.4	IAML			00:27	53.21	6	0.20	
CLGH	HZ	105.0	EP			00:27	39.12			0.10
CLGH	HN	105.0	IAML			00:27	53.58	9	0.16	
CLGH	HE	105.0	IAML			00:27	53.85	9	0.22	
EDI	HZ	106.0	EP			00:27	39.18			0.05
EDI	HE	106.0	IAML			00:27	52.90	4	0.24	
EDI	HN	106.0	IAML			00:27	54.79	5	0.52	
ESK	HZ	109.0	EP			00:27	39.81			0.21
ESK	HE	109.0	IAML			00:27	54.89	7	0.14	
ESK	HN	109.0	IAML			00:27	55.18	9	0.25	
KPL	HZ	194.0	EP			00:27	51.59			0.22

June 4 2020 Time: 12:48 16.0 UTC Magnitude: 2.1 ML
Lat: 52.562 Lon: -1.903 Depth: 7.9 km
Grid Ref: 406.57 kmE 296.06 kmN RMS: 0.30 secs
Locality: WALSALL,WEST MIDLANDS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT WALSALL... Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CWF	HZ	44.8	IP		C	12:48	23.80			0.02
CWF	HN	44.8	ES			12:48	29.05			-0.45
CWF	HE	44.8	IAML			12:48	29.18	54	0.16	
CWF	HN	44.8	IAML			12:48	29.36	71	0.15	
STBN	CZ	53.9	EP			12:48	25.29			0.14
STBN	CN	53.9	ES			12:48	31.67			-0.20
STBN	CN	53.9	IAML			12:48	31.88	111	0.10	
STBN	CE	53.9	IAML			12:48	32.09	125	0.16	
STNC	HN	62.4	ES			12:48	34.45			0.23
STNC	HN	62.4	IAML			12:48	34.65	130	0.16	
STNC	HE	62.4	IAML			12:48	35.06	118	0.18	
HLM1	HZ	66.5	IP		C	12:48	27.10			-0.08
HLM1	HN	66.5	ES			12:48	34.99			-0.39
HLM1	HE	66.5	IAML			12:48	35.32	92	0.14	
HLM1	HN	66.5	IAML			12:48	35.43	92	0.10	
STRD	HZ	89.2	EP			12:48	31.05			0.39
STRD	HE	89.2	ES			12:48	41.82			0.42
STRD	HE	89.2	IAML			12:48	42.31	159	0.23	
STRD	HN	89.2	IAML			12:48	42.37	223	0.14	
LBWR	HN	94.2	ES			12:48	42.91			0.11
LBWR	HN	94.2	IAML			12:48	43.59	95	0.44	
LBWR	HE	94.2	IAML			12:48	43.79	104	0.27	
FOEL	HZ	94.9	EP			12:48	32.13			0.54
FOEL	HE	94.9	IAML			12:48	43.51	48	0.36	
FOEL	HN	94.9	IAML			12:48	43.97	32	0.50	
MCH1	HZ	97.6	IP		C	12:48	31.81			-0.16
MCH1	HN	97.6	ES			12:48	43.07			-0.59
MCH1	HN	97.6	IAML			12:48	47.22	66	0.11	
MCH1	HE	97.6	IAML			12:48	47.97	62	0.18	
MONM	HZ	101.0	EP			12:48	32.63			0.11
MONM	HN	101.0	ES			12:48	44.52			-0.09
MONM	HN	101.0	IAML			12:48	45.10	56	0.14	
MONM	HE	101.0	IAML			12:48	48.44	67	0.24	

June 4 2020 Time: 17:31 22.0 UTC Magnitude: 0.8 ML
Lat: 55.667 Lon: -4.789 Depth: 7.4 km
Grid Ref: 224.61 kmE 645.02 kmN RMS: 0.30 secs
Locality: ARDROSSAN,AYRSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
PGB1	HZ	25.0	EP			17:31	27.18			0.20
PGB1	HE	25.0	ES			17:31	30.18			-0.45
PGB1	HE	25.0	IAML			17:31	30.67	10	0.10	
PGB1	HN	25.0	IAML			17:31	30.77	19	0.21	
NEWG	HZ	70.7	IP		C	17:31	34.11			0.25
NEWG	HE	70.7	ES			17:31	42.54			0.00
NEWG	HN	70.7	IAML			17:31	46.59	4	0.15	
NEWG	HE	70.7	IAML			17:31	46.88	5	0.08	
LAWE	HZ	76.2	EP			17:31	35.07			0.36
LAWE	HN	76.2	ES			17:31	43.66			-0.35
LAWE	HN	76.2	IAML			17:31	45.88	2	0.12	
LAWE	HE	76.2	IAML			17:31	46.81	4	0.18	
GAL1	HZ	89.2	EP			17:31	37.18			0.51
GAL1	HE	89.2	ES			17:31	46.95			-0.45
GAL1	HE	89.2	IAML			17:31	49.85	3	0.07	
GAL1	HN	89.2	IAML			17:31	50.79	4	0.16	
INVG	HZ	96.6	EP			17:31	38.23			0.48
INVG	HE	96.6	ES			17:31	49.17			-0.10
INVG	HN	96.6	IAML			17:31	53.48	2	0.21	
INVG	HE	96.6	IAML			17:31	53.58	3	0.17	
CLGH	HE	106.0	ES			17:31	51.37			-0.22
CLGH	HE	106.0	IAML			17:31	53.95	4	0.20	
CLGH	HN	106.0	IAML			17:31	53.96	4	0.14	
ESK	HZ	107.0	EP			17:31	39.02			-0.28
ESK	HE	107.0	IAML			17:31	55.25	3	0.16	
ESK	HN	107.0	IAML			17:31	55.46	4	0.22	

June 4 2020 Time: 19:05 52.4 UTC Magnitude: 0.5 ML
Lat: 55.675 Lon: -4.787 Depth: 8.2 km
Grid Ref: 224.77 kmE 645.91 kmN RMS: 0.40 secs
Locality: ARDROSSAN,AYRSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
PGB1	HZ	24.4	EP			19:05	57.41			0.32
PGB1	HE	24.4	ES			19:06	00.34			-0.15
PGB1	HE	24.4	IAML			19:06	00.86	8	0.08	
PGB1	HN	24.4	IAML			19:06	00.86	12	0.15	
NEWG	HZ	71.4	EP			19:06	04.28			-0.09
NEWG	HN	71.4	ES			19:06	12.63			-0.46
NEWG	HN	71.4	IAML			19:06	16.76	2	0.18	
NEWG	HE	71.4	IAML			19:06	17.09	3	0.18	
LAWE	HZ	75.5	EP			19:06	05.33			0.33
LAWE	HE	75.5	ES			19:06	13.72			-0.46
LAWE	HN	75.5	IAML			19:06	15.45	2	0.20	
LAWE	HE	75.5	IAML			19:06	16.14	2	0.15	
GAL1	HZ	90.1	EP			19:06	08.05			0.78
GAL1	HE	90.1	ES			19:06	17.67			-0.43
GAL1	HE	90.1	IAML			19:06	20.48	1	0.18	
GAL1	HN	90.1	IAML			19:06	20.77	2	0.09	
INVG	HN	95.7	ES			19:06	19.49			-0.16
INVG	HE	95.7	IAML			19:06	23.27	1	0.17	
INVG	HN	95.7	IAML			19:06	23.77	2	0.19	
ESK	HZ	108.0	EP			19:06	10.39			0.38
ESK	HE	108.0	IAML			19:06	25.42	2	0.16	
ESK	HN	108.0	IAML			19:06	25.53	2	0.15	

June 6 2020 Time: 14:19 36.0 UTC Magnitude: 1.0 ML
Lat: 53.636 Lon: -4.925 Depth: 5.6 km
Grid Ref: 206.64 kmE 419.50 kmN RMS: 0.40 secs
Locality: IRISH SEA
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 35KM NW ANGLESEY

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WLF1	HZ	52.2	EP			14:19	45.12			0.09
WLF1	HE	52.2	ES			14:19	51.14			-0.51
WLF1	HE	52.2	IAML			14:19	56.29	7	0.12	
WLF1	HN	52.2	IAML			14:19	56.94	11	0.09	
IOMK	HZ	73.3	EP			14:19	48.58			0.25
IOMK	HE	73.3	ES			14:19	57.09			-0.28
IOMK	HE	73.3	IAML			14:19	58.27	3	0.05	
IOMK	HN	73.3	IAML			14:19	58.80	3	0.08	
ILTH	HZ	103.0	EP			14:19	52.72			-0.11
ILTH	HN	103.0	ES			14:20	04.88			-0.28
DSB	HZ	106.0	EP			14:19	53.49			0.17
DSB	HN	106.0	ES			14:20	06.09			0.09
GAL1	HZ	138.0	EP			14:19	58.79			0.64
GAL1	HE	138.0	ES			14:20	14.36			0.00
GAL1	HE	138.0	IAML			14:20	14.87	8	0.43	
GAL1	HN	138.0	IAML			14:20	16.04	3	0.09	
FOEL	HE	142.0	ES			14:20	16.42			0.86
FOEL	HE	142.0	IAML			14:20	17.72	6	0.27	
FOEL	HN	142.0	IAML			14:20	19.26	7	0.28	
NEWG	HZ	171.0	EP			14:20	03.60			0.72
NEWG	HE	171.0	IAML			14:20	24.14	4	0.29	
NEWG	HN	171.0	IAML			14:20	24.74	2	0.10	

June 6 2020 Time: 14:22 39.2 UTC Magnitude: 2.2 ML
Lat: 56.390 Lon: -4.008 Depth: 2.8 km
Grid Ref: 276.05 kmE 723.77 kmN RMS: 0.20 secs
Locality: COMRIE,PERTH & KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT COMRIE... Intensity: 4

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	4.7	EP			14:22	40.58			0.02
INVG	HN	4.7	ES			14:22	41.39			-0.13
INVG	HE	4.7	IAML			14:22	41.53	4628	0.10	
INVG	HN	4.7	IAML			14:22	41.60	1386	0.04	
EAB	HZ	30.3	EP			14:22	45.04			0.14
EAB	HN	30.3	ES			14:22	49.06			0.03
EAB	HN	30.3	IAML			14:22	50.99	205	0.26	

TABLE 2 : PHASE DATA

EAB	HE	30.3	IAML	14:22	51.33	162	0.18	
PGB1	HZ	70.9	EP	14:22	51.36			-0.08
PGB1	HE	70.9	IAML	14:23	00.86	95	0.19	
PGB1	HN	70.9	IAML	14:23	01.66	110	0.24	
EDI	HZ	72.8	EP	14:22	51.42			-0.30
EDI	HN	72.8	IAML	14:23	00.25	50	0.19	
EDI	HE	72.8	IAML	14:23	03.82	65	0.28	
LAWE	HZ	87.3	EP	14:22	53.98			0.01
LAWE	HN	87.3	ES	14:23	04.60			-0.11
LAWE	HN	87.3	IAML	14:23	08.13	280	0.22	
LAWE	HE	87.3	IAML	14:23	08.24	256	0.12	
ESK	HZ	130.0	EP	14:23	00.97			0.41
ESK	HN	130.0	IAML	14:23	17.74	92	0.20	
ESK	HE	130.0	IAML	14:23	17.81	89	0.18	
MCD	HZ	140.0	EP	14:23	02.44			0.30
MCD	HN	140.0	IAML	14:23	21.17	91	0.12	
MCD	HE	140.0	IAML	14:23	22.05	72	0.38	
KPL	HZ	146.0	EP	14:23	03.29			0.46
KPL	HN	146.0	IAML	14:23	21.42	30	0.18	
KPL	HE	146.0	IAML	14:23	24.71	36	0.20	
GAL1	HZ	175.0	EP	14:23	06.63			-0.41
GAL1	HN	175.0	IAML	14:23	29.36	21	0.27	
GAL1	HE	175.0	IAML	14:23	30.99	27	0.22	

June 7 2020 Time: 04:02 32.0 UTC Magnitude: 1.0 ML
Lat: 52.568 Lon: -0.876 Depth: 8.0 km
Grid Ref: 476.17 kmE 297.32 kmN RMS: 0.50 secs
Locality: GOADBY,LEICESTERSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CWF	HZ	34.8	IP		D	04:02	38.03			-0.27
CWF	HE	34.8	ES			04:02	42.09			-0.80
CWF	HE	34.8	IAML			04:02	42.66	4	0.14	
CWF	HN	34.8	IAML			04:02	42.72	6	0.11	
WACR	HZ	103.0	EP			04:02	49.23			0.34
WACR	HE	103.0	ES			04:03	00.52			-0.68
WACR	HE	103.0	IAML			04:03	03.48	7	0.11	
WACR	HN	103.0	IAML			04:03	03.87	11	0.37	
LMK	HZ	106.0	EP			04:02	49.51			0.25
LBWR	HZ	109.0	EP			04:02	50.69			0.88
LBWR	HE	109.0	ES			04:03	03.07			0.27
LBWR	HN	109.0	IAML			04:03	05.35	4	0.10	
LBWR	HE	109.0	IAML			04:03	07.17	6	0.18	
HLM1	HZ	136.0	EP			04:02	54.47			0.60
HLM1	HN	136.0	ES			04:03	09.73			-0.08
HLM1	HN	136.0	IAML			04:03	10.34	3	0.19	
HLM1	HE	136.0	IAML			04:03	10.46	4	0.11	

June 7 2020 Time: 11:52 36.3 UTC Magnitude: 0.7 ML
Lat: 55.570 Lon: -2.977 Depth: 5.3 km
Grid Ref: 338.40 kmE 631.14 kmN RMS: 0.20 secs
Locality: YARROWFORD,BORDERS
Velocity model: Borders Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
EKA	BZ	28.7	EP			11:52	41.59			-0.10
EKA	BZ	28.7	ES			11:52	45.45			-0.05
ESK	HZ	31.7	IP		C	11:52	42.00			-0.15
ESK	HN	31.7	ES			11:52	46.12			-0.17
ESK	HE	31.7	IAML			11:52	47.08	8	0.12	
ESK	HN	31.7	IAML			11:52	47.08	7	0.10	
NEWG	HZ	94.1	EP			11:52	52.00			-0.28
NEWG	HE	94.1	ES			11:53	04.08			0.47
NEWG	HE	94.1	IAML			11:53	06.87	1	0.08	
NEWG	HN	94.1	IAML			11:53	07.60	2	0.14	
PGB1	HE	98.5	ES			11:53	04.91			0.06
PGB1	HE	98.5	IAML			11:53	05.72	5	0.11	
PGB1	HN	98.5	IAML			11:53	06.50	5	0.19	
EDMD	HN	105.0	ES			11:53	06.73			0.27
EDMD	HE	105.0	IAML			11:53	08.73	3	0.28	
EDMD	HN	105.0	IAML			11:53	09.13	3	0.29	
GAL1	HZ	135.0	EP			11:52	58.77			-0.04
GAL1	HN	135.0	IAML			11:53	17.18	2	0.19	
GAL1	HE	135.0	IAML			11:53	17.88	2	0.20	

June 8 2020 Time: 19:15 54.9 UTC Magnitude: 0.8 ML
Lat: 51.580 Lon: -3.473 Depth: 11.1 km
Grid Ref: 297.95 kmE 187.87 kmN RMS: 0.20 secs
Locality: HENDREFORGAN,RHONDDA CT
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MONM	HZ	54.5	IP		C	19:16	04.29			0.00
MONM	HN	54.5	ES			19:16	11.18			0.07
MONM	HE	54.5	IAML			19:16	11.41	7	0.19	
MONM	HN	54.5	IAML			19:16	11.66	7	0.15	
MCH1	HE	56.8	ES			19:16	11.49			-0.27
MCH1	HE	56.8	IAML			19:16	11.87	5	0.20	
MCH1	HN	56.8	IAML			19:16	15.12	3	0.09	
HTL	HZ	96.0	EP			19:16	11.05			0.35
HTL	HN	96.0	ES			19:16	22.02			-0.19
HTL	HE	96.0	IAML			19:16	22.79	3	0.24	
HTL	HN	96.0	IAML			19:16	23.48	2	0.14	
RSBS	HZ	97.1	EP			19:16	11.32			0.42
RSBS	HE	97.1	ES			19:16	22.25			-0.30
RSBS	HN	97.1	IAML			19:16	23.73	3	0.17	
RSBS	HE	97.1	IAML			19:16	24.53	3	0.05	
HLM1	HZ	112.0	EP			19:16	13.39			0.23
HLM1	HE	112.0	ES			19:16	26.49			0.03
HLM1	HE	112.0	IAML			19:16	29.39	3	0.12	
HLM1	HN	112.0	IAML			19:16	29.55	2	0.12	
DYA	HZ	131.0	EP			19:16	15.92			0.03
DYA	HN	131.0	ES			19:16	30.78			-0.40
DYA	HN	131.0	IAML			19:16	31.83	2	0.22	
DYA	HE	131.0	IAML			19:16	32.80	2	0.20	
MCH1	HZ	56.8	EP			19:16	04.55			-0.11

June 11 2020 Time: 06:13 43.4 UTC Magnitude: 1.0 ML
Lat: 51.807 Lon: -2.455 Depth: 7.3 km
Grid Ref: 368.63 kmE 212.19 kmN RMS: 0.10 secs
Locality: NEWNHAM,GLOUCESTERSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
STRD	HZ	20.5	EP			06:13	47.26			-0.19
STRD	HN	20.5	ES			06:13	50.51			0.08
STRD	HN	20.5	IAML			06:13	50.57	85	0.12	
STRD	HE	20.5	IAML			06:13	50.94	33	0.18	
MONM	HZ	24.3	EP			06:13	48.00			-0.03
MONM	HN	24.3	ES			06:13	51.65			0.23
MONM	HN	24.3	IAML			06:13	51.73	43	0.10	
MONM	HE	24.3	IAML			06:13	51.74	19	0.10	
MCH1	HZ	42.9	EP			06:13	50.74			-0.19
MCH1	HN	42.9	ES			06:13	56.40			-0.04
MCH1	HE	42.9	IAML			06:13	56.58	8	0.17	
MCH1	HN	42.9	IAML			06:13	56.69	7	0.11	
HLM1	HZ	84.3	EP			06:13	57.39			0.01
HLM1	HE	84.3	ES			06:14	07.60			-0.01
HLM1	HE	84.3	IAML			06:14	07.70	8	0.16	
HLM1	HN	84.3	IAML			06:14	07.92	3	0.18	
CWF	HZ	130.0	EP			06:14	04.60			0.27
CWF	HE	130.0	IAML			06:14	20.84	5	0.21	
CWF	HN	130.0	IAML			06:14	21.90	4	0.21	

June 11 2020 Time: 10:27 43.8 UTC Magnitude: 1.2 ML
Lat: 55.668 Lon: -4.804 Depth: 7.7 km
Grid Ref: 223.67 kmE 645.17 kmN RMS: 0.30 secs
Locality: ARDROSSAN,AYRSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
PGB1	HZ	25.7	EP			10:27	48.70			0.07
PGB1	HN	25.7	ES			10:27	52.08			-0.10
PGB1	HN	25.7	IAML			10:27	52.22	46	0.15	
PGB1	HE	25.7	IAML			10:27	52.22	35	0.10	
GGERF	CN	41.3	ES			10:27	56.44			0.14
EAB	HZ	64.9	EP			10:27	54.93			0.21
EAB	HE	64.9	ES			10:28	02.62			-0.10
EAB	HN	64.9	IAML			10:28	03.17	15	0.14	
EAB	HE	64.9	IAML			10:28	03.28	12	0.12	
NEWG	HZ	71.3	IP		C	10:27	55.62			-0.08
NEWG	HE	71.3	ES			10:28	03.97			-0.43
NEWG	HN	71.3	IAML			10:28	08.13	11	0.23	
NEWG	HE	71.3	IAML			10:28	08.36	17	0.20	
LAWE	HZ	75.6	EP			10:27	56.58			0.22
LAWE	HN	75.6	ES			10:28	05.23			-0.32
LAWE	HN	75.6	IAML			10:28	07.77	7	0.21	
LAWE	HE	75.6	IAML			10:28	08.36	7	0.10	
GAL1	HZ	89.5	EP			10:27	58.50			0.00
GAL1	HE	89.5	ES			10:28	09.01			-0.25
GAL1	HE	89.5	IAML			10:28	12.24	7	0.21	
GAL1	HN	89.5	IAML			10:28	12.31	12	0.16	
INVG	HZ	96.9	EP			10:28	00.13			0.45
INVG	HN	96.9	ES			10:28	10.72			-0.58
INVG	HN	96.9	IAML			10:28	15.05	8	0.19	
INVG	HE	96.9	IAML			10:28	15.15	8	0.20	
CLGH	HZ	105.0	EP			10:28	01.36			0.36
CLGH	HE	105.0	IAML			10:28	15.40	10	0.16	
CLGH	HN	105.0	IAML			10:28	15.44	13	0.16	
ESK	HZ	108.0	EP			10:28	01.62			0.16
ESK	HN	108.0	ES			10:28	14.76			0.38
ESK	HE	108.0	IAML			10:28	16.81	9	0.19	
ESK	HN	108.0	IAML			10:28	17.02	13	0.24	

June 13 2020 Time: 12:47 04.5 UTC Magnitude: 1.2 ML
Lat: 55.662 Lon: -4.822 Depth: 8.1 km
Grid Ref: 222.51 kmE 644.55 kmN RMS: 0.30 secs
Locality: ARDROSSAN,AYRSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
PGB1	HZ	27.0	EP			12:47	09.56			-0.04
PGB1	HN	27.0	ES			12:47	12.86			-0.44
PGB1	HN	27.0	IAML			12:47	13.02	46	0.13	
PGB1	HE	27.0	IAML			12:47	20.97	40	0.24	
GGERF	CZ	42.6	EP			12:47	12.27			0.28
GGERF	CN	42.6	ES			12:47	17.24			-0.18
GGERF	CN	42.6	IAML			12:47	17.47	10	0.21	
GGERF	CE	42.6	IAML			12:47	17.57	7	0.20	
EAB	HZ	66.0	EP			12:47	15.66			-0.01
EAB	HN	66.0	ES			12:47	23.70			-0.09
EAB	HN	66.0	IAML			12:47	23.89	16	0.10	
EAB	HE	66.0	IAML			12:47	24.20	15	0.14	

TABLE 2 : PHASE DATA

NEWG	HZ	71.3	IP	C	12:47	16.43			-0.04
NEWG	HE	71.3	ES		12:47	24.78			-0.39
NEWG	HN	71.3	IAML		12:47	28.89	10	0.15	
NEWG	HE	71.3	IAML		12:47	29.07	15	0.18	
LAWE	HZ	75.7	EP		12:47	17.34			0.20
LAWE	HN	75.7	ES		12:47	25.96			-0.38
LAWE	HN	75.7	IAML		12:47	28.54	6	0.20	
LAWE	HE	75.7	IAML		12:47	29.08	8	0.10	
GAL1	HZ	88.9	EP		12:47	19.23			0.05
GAL1	HN	88.9	ES		12:47	29.73			-0.14
GAL1	HE	88.9	IAML		12:47	32.82	6	0.16	
GAL1	HN	88.9	IAML		12:47	33.02	11	0.16	
CLGH	HZ	104.0	EP		12:47	22.03			0.47
CLGH	HN	104.0	ES		12:47	33.82			-0.17
CLGH	HE	104.0	IAML		12:47	36.10	9	0.16	
CLGH	HN	104.0	IAML		12:47	36.20	12	0.16	
EDI	HZ	107.0	EP		12:47	22.72			0.79
EDI	HN	107.0	ES		12:47	34.79			0.17
EDI	HN	107.0	IAML		12:47	35.64	5	0.29	
EDI	HE	107.0	IAML		12:47	35.76	6	0.23	
ESK	HZ	109.0	EP		12:47	22.44			0.08
ESK	HE	109.0	IAML		12:47	37.52	10	0.16	
ESK	HN	109.0	IAML		12:47	37.67	13	0.26	

June 16 2020 Time: 02:13 11.8 UTC Magnitude: 0.9 ML
Lat: 53.048 Lon: -2.129 Depth: 3.2 km
Grid Ref: 391.35 kmE 350.12 kmN RMS: 0.20 secs
Locality: STOKE-ON-TRENT,STAFFS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
STNC	HZ	7.1	IP		D	02:13	13.61			-0.02
STNC	HE	7.1	ES			02:13	14.82			-0.13
STNC	HN	7.1	IAML			02:13	14.97	611	0.14	
STNC	HE	7.1	IAML			02:13	15.00	1062	0.18	
LBWR	HZ	47.7	EP			02:13	20.92			0.23
LBWR	HE	47.7	ES			02:13	26.93			-0.23
LBWR	HN	47.7	IAML			02:13	27.35	8	0.22	
LBWR	HE	47.7	IAML			02:13	27.75	10	0.32	
CWF	HZ	65.1	EP			02:13	23.54			0.14
CWF	HN	65.1	ES			02:13	31.63			-0.22
CWF	HN	65.1	IAML			02:13	32.11	3	0.14	
CWF	HE	65.1	IAML			02:13	32.17	3	0.30	
FOEL	HZ	74.1	EP			02:13	24.88			0.04
FOEL	HN	74.1	IAML			02:13	37.90	2	0.23	
FOEL	HE	74.1	IAML			02:13	39.07	3	0.42	
HLM1	HN	77.7	ES			02:13	35.29			-0.03
HLM1	HE	77.7	IAML			02:13	35.95	3	0.25	
HLM1	HN	77.7	IAML			02:13	37.82	2	0.10	
HPK	HN	107.0	ES			02:13	43.21			0.18
HPK	HE	107.0	IAML			02:13	46.22	13	0.18	
HPK	HN	107.0	IAML			02:13	46.65	13	0.28	
MCH1	HZ	131.0	EP			02:13	33.66			0.05
MCH1	HE	131.0	IAML			02:13	52.57	2	0.20	
MCH1	HN	131.0	IAML			02:13	55.52	4	0.44	
WLF1	HZ	154.0	EP			02:13	37.12			0.21
WLF1	HN	154.0	IAML			02:13	55.41	2	0.41	
WLF1	HE	154.0	IAML			02:13	56.93	2	0.18	

June 17 2020 Time: 05:54 29.5 UTC Magnitude: 0.8 ML
Lat: 51.546 Lon: -2.939 Depth: 20.7 km
Grid Ref: 334.89 kmE 183.48 kmN RMS: 0.20 secs
Locality: GOLDCLIFF,NEWPORT
Velocity model: Mid Wales Xnear: 80.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MONM	HZ	34.0	IP		C	05:54	36.11			0.03
MONM	HN	34.0	ES			05:54	41.07			0.27
MONM	HN	34.0	IAML			05:54	41.21	6	0.10	
MONM	HE	34.0	IAML			05:54	41.22	24	0.10	
MCH1	HZ	50.4	EP			05:54	38.28			-0.17
MCH1	HN	50.4	ES			05:54	44.75			-0.11
MCH1	HN	50.4	IAML			05:54	44.91	4	0.12	
MCH1	HE	50.4	IAML			05:54	44.97	11	0.12	
STRD	HZ	59.5	EP			05:54	39.77			-0.02
STRD	HE	59.5	ES			05:54	47.21			0.03
STRD	HE	59.5	IAML			05:54	48.02	6	0.28	
STRD	HN	59.5	IAML			05:54	48.47	4	0.24	
HLM1	HZ	108.0	EP			05:54	46.88			-0.23
HLM1	HE	108.0	ES			05:54	59.66			-0.10
HLM1	HE	108.0	IAML			05:54	59.86	2	0.32	
HLM1	HN	108.0	IAML			05:55	00.82	2	0.22	
RSBS	HZ	133.0	EP			05:54	50.97			0.32
RSBS	HE	133.0	ES			05:55	06.16			0.31
RSBS	HE	133.0	IAML			05:55	06.85	2	0.12	
RSBS	HN	133.0	IAML			05:55	07.76	2	0.18	
DYA	HN	142.0	ES			05:55	07.64			-0.18
DYA	HE	142.0	IAML			05:55	10.13	2	0.18	
DYA	HN	142.0	IAML			05:55	10.62	2	0.21	

June 26 2020 Time: 00:40 19.1 UTC Magnitude: 1.3 ML
Lat: 53.720 Lon: -2.434 Depth: 8.4 km
Grid Ref: 371.36 kmE 424.96 kmN RMS: 0.20 secs
Locality: BELTHORN,LANCASHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AR01	HZ	6.2	IP		D	00:40	21.28			0.10
AR01	HE	6.2	ES			00:40	22.70			0.03
AR01	HE	6.2	IAML			00:40	23.27	205	0.17	
AR01	HN	6.2	IAML			00:40	23.44	159	0.20	
AQ01	HZ	26.9	EP			00:40	23.90			-0.25
AQ01	HN	26.9	ES			00:40	27.68			-0.13
AQ01	HE	26.9	IAML			00:40	28.55	145	0.09	
AQ01	HN	26.9	IAML			00:40	29.01	148	0.15	
AS02	HZ	34.9	EP			00:40	25.41			-0.03
AS02	HN	34.9	ES			00:40	29.87			-0.18
AS02	HE	34.9	IAML			00:40	30.30	27	0.23	
AS02	HN	34.9	IAML			00:40	30.51	18	0.10	
AR05	HZ	40.7	EP			00:40	26.24			-0.10
AR05	HE	40.7	ES			00:40	31.45			-0.15
AR05	HN	40.7	IAML			00:40	31.89	22	0.23	
AR05	HE	40.7	IAML			00:40	32.47	29	0.21	
LBWR	HZ	58.8	EP			00:40	29.39			0.23
HPK	HZ	59.6	EP			00:40	29.15			-0.10
KESW	HZ	106.0	EP			00:40	36.84			0.35
FOEL	HZ	106.0	EP			00:40	36.53			0.12
CWF	HZ	133.0	EP			00:40	40.73			0.33

June 26 2020 Time: 06:11 07.8 UTC Magnitude: 1.1 ML
Lat: 51.549 Lon: -2.922 Depth: 22.0 km
Grid Ref: 336.08 kmE 183.80 kmN RMS: 0.20 secs
Locality: GOLDCLIFF,NEWPORT
Velocity model: Mid Wales Xnear: 80.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MONM	HZ	33.3	IP		C	06:11	14.39			0.01
MONM	HN	33.3	ES			06:11	19.26			0.17
MONM	HE	33.3	IAML			06:11	19.46	54	0.20	
MONM	HN	33.3	IAML			06:11	20.21	13	0.22	
MCH1	HZ	50.2	EP			06:11	16.57			-0.19
MCH1	HE	50.2	ES			06:11	23.16			-0.03
MCH1	HE	50.2	IAML			06:11	23.24	30	0.12	
MCH1	HN	50.2	IAML			06:11	23.25	9	0.18	
STRD	HZ	58.3	EP			06:11	17.96			0.02
STRD	HE	58.3	ES			06:11	25.26			0.04
STRD	HE	58.3	IAML			06:11	25.92	10	0.19	
STRD	HN	58.3	IAML			06:11	26.29	10	0.24	
HLM1	HZ	108.0	EP			06:11	25.23			-0.13
HLM1	HE	108.0	ES			06:11	38.00			0.02
HLM1	HE	108.0	IAML			06:11	39.59	4	0.11	
HLM1	HN	108.0	IAML			06:11	39.92	4	0.15	
HTL	HZ	125.0	EP			06:11	27.98			0.08
HTL	HN	125.0	ES			06:11	42.72			0.38
HTL	HN	125.0	IAML			06:11	43.34	2	0.32	
HTL	HE	125.0	IAML			06:11	44.87	3	0.19	
RSBS	HZ	134.0	EP			06:11	29.01			0.04
RSBS	HE	134.0	IAML			06:11	46.00	9	0.12	
RSBS	HN	134.0	IAML			06:11	46.38	7	0.08	
DYA	HN	143.0	IAML			06:11	48.23	3	0.12	
DYA	HE	143.0	IAML			06:11	49.97	5	0.12	
DYA	HZ	143.0	EP			06:11	29.48			-0.62

July 1 2020 Time: 04:21 21.1 UTC Magnitude: 1.7 ML
Lat: 56.214 Lon: -6.035 Depth: 10.9 km
Grid Ref: 149.84 kmE 709.70 kmN RMS: 0.30 secs
Locality: MULL,ARGYLL & BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: OFFSHORE LOCATION

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	39.7	IP		C	04:21	28.21			0.09
LAWE	HN	39.7	ES			04:21	33.02			-0.26
LAWE	HN	39.7	IAML			04:21	33.28	36	0.13	
LAWE	HE	39.7	IAML			04:21	35.96	25	0.21	
EAB	HZ	105.0	EP			04:21	38.61			0.31
EAB	HE	105.0	ES			04:21	50.55			-0.34
EAB	HE	105.0	IAML			04:21	52.24	29	0.10	
EAB	HN	105.0	IAML			04:21	53.47	36	0.22	
PGB1	HZ	107.0	EP			04:21	38.89			0.42
PGB1	HE	107.0	IAML			04:21	52.28	34	0.38	
PGB1	HN	107.0	IAML			04:21	53.83	31	0.20	
INVG	HZ	125.0	EP			04:21	40.97			-0.21
INVG	HN	125.0	ES			04:21	56.18			0.31
INVG	HN	125.0	IAML			04:21	57.34	51	0.22	
INVG	HE	125.0	IAML			04:21	57.63	41	0.12	
CLGH	HZ	126.0	EP			04:21	41.54			0.29
CLGH	HN	126.0	ES			04:21	55.69			-0.30
CLGH	HN	126.0	IAML			04:21	59.01	25	0.23	
CLGH	HE	126.0	IAML			04:22	01.03	17	0.16	
KPL	HZ	127.0	EP			04:21	41.25			-0.16
KPL	HN	127.0	IAML			04:22	02.16	9	0.32	
KPL	HE	127.0	IAML			04:22	03.24	10	0.20	
IDGL	HZ	158.0	EP			04:21	45.11			-0.63
IDGL	HN	158.0	IAML			04:22	06.81	16	0.44	
IDGL	HE	158.0	IAML			04:22	07.63	9	0.25	
NEWG	HZ	167.0	EP			04:21	46.67			-0.27
NEWG	HN	167.0	IAML			04:22	08.89	12	0.18	
NEWG	HE	167.0	IAML			04:22	08.98	12	0.18	
ESK	HZ	204.0	EP			04:21	51.19			-0.40
ESK	HE	204.0	IAML			04:22	18.45	4	0.22	
ESK	HN	204.0	IAML			04:22	21.70	5	0.32	
DRUM	HN	232.0	IAML			04:22	29.16	16	0.42	

TABLE 2 : PHASE DATA

DRUM	HE	232.0	IAML		04:22	29.34	10	0.16

July 1 2020 Time: 14:36 51.0 UTC Magnitude: 1.2 ML
Lat: 52.306 Lon: -1.791 Depth: 7.7 km
Grid Ref: 414.25 kmE 267.61 kmN RMS: 0.20 secs
Locality: HENLEY,WARWICKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CWF	HZ	58.2	EP			14:37	00.87			-0.02
CWF	HE	58.2	ES			14:37	07.98			-0.14
CWF	HE	58.2	IAML			14:37	08.27	11	0.21	
CWF	HN	58.2	IAML			14:37	08.53	8	0.11	
STRD	HZ	64.3	EP			14:37	01.87			0.05
STRD	HN	64.3	ES			14:37	09.79			0.06
STRD	HN	64.3	IAML			14:37	10.22	17	0.13	
STRD	HE	64.3	IAML			14:37	13.52	22	0.20	
STBN	CN	69.7	ES			14:37	11.02			-0.11
STBN	CE	69.7	IAML			14:37	11.22	20	0.12	
STBN	CN	69.7	IAML			14:37	11.23	14	0.10	
HLM1	HZ	77.8	EP			14:37	03.98			0.02
HLM1	HN	77.8	ES			14:37	13.29			-0.15
HLM1	HN	77.8	IAML			14:37	13.59	8	0.17	
HLM1	HE	77.8	IAML			14:37	13.82	8	0.10	
MONM	HZ	86.7	EP			14:37	05.21			-0.08
MONM	HE	86.7	ES			14:37	15.82			0.08
MONM	HE	86.7	IAML			14:37	16.02	9	0.16	
MONM	HN	86.7	IAML			14:37	16.55	16	0.14	
MCH1	HZ	89.5	EP			14:37	05.58			-0.15
MCH1	HE	89.5	ES			14:37	16.29			-0.21
MCH1	HN	89.5	IAML			14:37	19.19	5	0.11	
MCH1	HE	89.5	IAML			14:37	19.21	8	0.12	
FOEL	HZ	115.0	EP			14:37	10.47			0.67
FOEL	HE	115.0	IAML			14:37	25.29	7	0.40	
FOEL	HN	115.0	IAML			14:37	25.41	8	0.28	
LBWR	HZ	122.0	EP			14:37	11.10			0.30
LBWR	HN	122.0	IAML			14:37	26.79	9	0.32	
LBWR	HE	122.0	IAML			14:37	27.09	12	0.29	

July 1 2020 Time: 16:37 40.7 UTC Magnitude: 0.9 ML
Lat: 55.633 Lon: -2.192 Depth: 4.3 km
Grid Ref: 387.91 kmE 637.73 kmN RMS: 0.30 secs
Locality: BRANXTON,NORTHUMBERLAND
Velocity model: Borders Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
EDI	HN	70.4	ES			16:38	01.64			0.24
ESK	HZ	73.1	EP			16:37	52.84			-0.45
ESK	HE	73.1	ES			16:38	02.34			0.13
ESK	HN	73.1	IAML			16:38	03.37	4	0.10	
ESK	HE	73.1	IAML			16:38	03.41	3	0.11	
EDMD	HZ	90.4	EP			16:37	56.05			0.00
EDMD	HE	90.4	ES			16:38	07.24			0.30
EDMD	HN	90.4	IAML			16:38	08.17	6	0.16	
EDMD	HE	90.4	IAML			16:38	09.12	9	0.16	
KESW	HZ	130.0	EP			16:38	02.20			-0.34
NEWG	HZ	141.0	EP			16:38	03.77			-0.32
NEWG	HN	141.0	IAML			16:38	22.72	2	0.12	
NEWG	HE	141.0	IAML			16:38	22.81	1	0.09	
INVG	HZ	145.0	EP			16:38	04.56			-0.07
EAB	HN	148.0	ES			16:38	22.38			0.29

July 3 2020 Time: 18:37 45.7 UTC Magnitude: 0.4 ML
Lat: 54.688 Lon: -3.204 Depth: 8.4 km
Grid Ref: 322.39 kmE 533.23 kmN RMS: 0.20 secs
Locality: BASSENTHWAITE,CUMBRIA
Velocity model: Borders Xnear: 75.0 Xfar: 150.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KESW	HZ	12.8	EP			18:37	48.61			-0.01
KESW	HN	12.8	ES			18:37	50.85			0.15
KESW	HN	12.8	IAML			18:37	50.92	13	0.96	
KESW	HE	12.8	IAML			18:37	50.94	9	0.18	
AQ12	HZ	40.5	EP			18:37	52.90			-0.11
AQ12	HN	40.5	ES			18:37	57.87			-0.34
AQ12	HN	40.5	IAML			18:37	58.44	4	0.20	
AQ12	HE	40.5	IAML			18:38	00.96	4	0.06	
AP12	HN	42.3	ES			18:37	58.52			-0.15
ESK	HZ	69.9	EP			18:37	57.84			0.08
ESK	HN	69.9	ES			18:38	06.25			-0.08
ESK	HN	69.9	IAML			18:38	08.88	2	0.15	
ESK	HE	69.9	IAML			18:38	09.20	3	0.36	
NEWG	HZ	81.3	EP			18:37	59.75			0.16
NEWG	HN	81.3	ES			18:38	09.05			-0.41
NEWG	HE	81.3	IAML			18:38	11.29	2	0.08	
NEWG	HN	81.3	IAML			18:38	11.29	2	0.12	
EDMD	HZ	81.5	EP			18:37	59.94			0.35
EDMD	HN	81.5	ES			18:38	09.54			0.08
EDMD	HE	81.5	IAML			18:38	12.64	5	0.30	
EDMD	HN	81.5	IAML			18:38	13.48	4	0.15	
IOMK	HZ	100.0	EP			18:38	02.86			0.17
IOMK	HN	100.0	ES			18:38	15.32			0.57
IOMK	HN	100.0	IAML			18:38	15.42	1	0.08	
IOMK	HE	100.0	IAML			18:38	16.38	1	0.09	

July 4 2020 Time: 13:37 30.1 UTC Magnitude: 1.2 ML
Lat: 55.925 Lon: -4.349 Depth: 3.9 km
Grid Ref: 253.24 kmE 672.70 kmN RMS: 0.40 secs
Locality: BEARSDEN,E DUNB'SHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
GGERF	CZ	12.2	EP			13:37	32.63			0.02
GGERF	CN	12.2	ES			13:37	34.26			-0.21
GGERF	CN	12.2	IAML			13:37	34.52	162	0.18	
GGERF	CE	12.2	IAML			13:37	34.64	206	0.26	
PGB1	HZ	15.1	IP		C	13:37	33.21			0.07
PGB1	HE	15.1	ES			13:37	35.13			-0.26
PGB1	HN	15.1	IAML			13:37	35.57	245	0.26	
PGB1	HE	15.1	IAML			13:37	35.80	194	0.35	
EAB	HZ	29.4	IP		D	13:37	35.84			0.27
INVG	HZ	59.1	EP			13:37	40.28			-0.09
INVG	HN	59.1	ES			13:37	47.55			-0.34
INVG	HE	59.1	IAML			13:37	47.95	7	0.16	
INVG	HN	59.1	IAML			13:37	51.19	5	0.13	
LAWE	HZ	75.3	EP			13:37	43.24			0.39
LAWE	HN	75.3	ES			13:37	51.78			-0.40
LAWE	HN	75.3	IAML			13:37	55.07	18	0.18	
LAWE	HE	75.3	IAML			13:37	55.44	12	0.11	
ESK	HZ	98.9	EP			13:37	46.55			0.02
CLGH	HZ	146.0	EP			13:37	54.59			1.02
DRUM	HZ	159.0	EP			13:37	56.80			1.30

July 7 2020 Time: 19:39 12.8 UTC Magnitude: 0.8 ML
Lat: 55.582 Lon: -2.972 Depth: 4.5 km
Grid Ref: 338.73 kmE 632.47 kmN RMS: 0.20 secs
Locality: YARROWFORD,BORDERS
Velocity model: Borders Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
EKA	BZ	30.1	IP		C	19:39	18.40			-0.02
EKA	BZ	30.1	ES			19:39	22.28			-0.11
ESK	HZ	33.0	IP		C	19:39	18.81			-0.07
ESK	HE	33.0	ES			19:39	22.92			-0.25
ESK	HE	33.0	IAML			19:39	23.91	14	0.10	
ESK	HN	33.0	IAML			19:39	23.91	14	0.10	
EDI	HZ	40.4	EP			19:39	20.03			-0.03
EDI	HN	40.4	ES			19:39	25.00			-0.19
EDI	HN	40.4	IAML			19:39	25.16	3	0.16	
EDI	HE	40.4	IAML			19:39	26.83	2	0.22	
NEWG	HZ	95.1	EP			19:39	28.75			-0.21
NEWG	HE	95.1	IAML			19:39	43.41	3	0.17	
NEWG	HN	95.1	IAML			19:39	44.42	5	0.14	
PGB1	HZ	98.5	EP			19:39	29.91			0.39
PGB1	HN	98.5	ES			19:39	41.66			0.30
PGB1	HE	98.5	IAML			19:39	42.97	12	0.19	
PGB1	HN	98.5	IAML			19:39	44.19	18	0.54	
EAB	HZ	109.0	EP			19:39	31.24			0.00
EAB	HN	109.0	ES			19:39	44.01			-0.29
EAB	HE	109.0	IAML			19:39	46.91	2	0.12	
EAB	HN	109.0	IAML			19:39	47.28	3	0.12	
KESW	HZ	111.0	EP			19:39	32.07			0.53
KESW	HN	111.0	IAML			19:39	47.37	1	0.23	
KESW	HE	111.0	IAML			19:39	48.81	2	0.31	

July 8 2020 Time: 02:41 51.8 UTC Magnitude: 0.7 ML
Lat: 55.596 Lon: -2.172 Depth: 4.0 km
Grid Ref: 389.16 kmE 633.61 kmN RMS: 0.40 secs
Locality: HOWTEL,NORTHUMBERLAND
Velocity model: Borders Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ESK	HZ	72.4	EP			02:42	03.99			-0.23
ESK	HN	72.4	ES			02:42	13.22			0.15
ESK	HN	72.4	IAML			02:42	14.31	2	0.11	
ESK	HE	72.4	IAML			02:42	14.38	2	0.11	
EDI	HZ	73.4	EP			02:42	04.18			-0.18
EDI	HN	73.4	EP			02:42	13.19			
EDMD	HZ	86.2	EP			02:42	07.29			0.87
EDMD	HN	86.2	ES			02:42	16.18			-0.64
EDMD	HN	86.2	IAML			02:42	19.05	3	0.16	
EDMD	HE	86.2	IAML			02:42	20.07	4	0.12	
KESW	HZ	127.0	EP			02:42	13.20			0.10
KESW	HE	127.0	IAML			02:42	30.67	1	0.15	
KESW	HN	127.0	IAML			02:42	30.98	1	0.13	
NEWG	HZ	141.0	EP			02:42	15.03			-0.08
NEWG	HE	141.0	ES			02:42	31.84			0.16
NEWG	HE	141.0	IAML			02:42	32.55	1	0.24	
NEWG	HN	141.0	IAML			02:42	34.25	1	0.12	
PGB1	HN	147.0	ES			02:42	33.28			0.23
PGB1	HN	147.0	IAML			02:42	34.46	6	0.20	
PGB1	HE	147.0	IAML			02:42	34.62	6	0.32	
INVG	HZ	149.0	EP			02:42	15.68			-0.45

July 8 2020 Time: 20:40 01.8 UTC Magnitude: 1.0 ML
Lat: 55.589 Lon: -2.953 Depth: 3.8 km
Grid Ref: 339.94 kmE 633.23 kmN RMS: 0.30 secs
Locality: YARROWFORD,BORDERS
Velocity model: Borders Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
EKA	BZ	31.3	IP		C	20:40	07.55			-0.09
EKA	BZ	31.3	ES			20:40	11.40			-0.36

TABLE 2 : PHASE DATA

ESK	HZ	34.3	IP	C	20:40	07.93			-0.18
ESK	HN	34.3	ES		20:40	12.30			-0.26
ESK	HE	34.3	IAML		20:40	13.07	10	0.18	
ESK	HN	34.3	IAML		20:40	13.09	10	0.09	
NEWG	HZ	96.5	EP		20:40	17.95			-0.26
NEWG	HE	96.5	ES		20:40	30.42			0.59
NEWG	HE	96.5	IAML		20:40	33.42	4	0.10	
NEWG	HN	96.5	IAML		20:40	33.57	7	0.14	
PGB1	HE	99.3	ES		20:40	30.86			0.23
PGB1	HN	99.3	IAML		20:40	31.99	13	0.32	
PGB1	HE	99.3	IAML		20:40	32.32	10	0.12	
EAB	HZ	109.0	EP		20:40	20.41			0.10
EAB	HN	109.0	ES		20:40	33.03			-0.40
EAB	HE	109.0	IAML		20:40	36.06	3	0.10	
EAB	HN	109.0	IAML		20:40	36.48	3	0.10	
KESW	HZ	112.0	EP		20:40	21.05			0.34
KESW	HE	112.0	IAML		20:40	37.21	4	0.34	
KESW	HN	112.0	IAML		20:40	38.63	4	0.48	
AQ12	HZ	129.0	EP		20:40	24.16			0.64
AQ12	HN	129.0	IAML		20:40	40.54	4	0.07	
AQ12	HE	129.0	IAML		20:40	41.34	4	0.08	

July 10 2020 Time: 14:36 12.0 UTC Magnitude: 1.6 ML
Lat: 51.575 Lon: -3.053 Depth: 20.3 km
Grid Ref: 327.04 kmE 186.82 kmN RMS: 0.30 secs
Locality: ROGERSTONE,NEWPORT
Velocity model: Mid Wales Xnear: 100.0 Xfar: 300.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MONM	HZ	34.1	IP		C	14:36	18.59			0.07
MONM	HN	34.1	ES			14:36	23.39			0.16
MONM	HN	34.1	IAML			14:36	23.62	131	0.36	
MONM	HE	34.1	IAML			14:36	23.72	120	0.24	
MCH1	HZ	47.2	IP		C	14:36	20.34			-0.06
MCH1	HE	47.2	ES			14:36	26.56			0.09
MCH1	HN	47.2	IAML			14:36	26.67	105	0.10	
MCH1	HE	47.2	IAML			14:36	26.80	168	0.16	
STRD	HZ	65.5	EP			14:36	23.05			-0.07
STRD	HE	65.5	IAML			14:36	34.80	27	0.46	
STRD	HN	65.5	IAML			14:36	38.36	19	0.16	
HLM1	HZ	106.0	EP			14:36	29.09			-0.06
HLM1	HE	106.0	ES			14:36	41.49			-0.02
HLM1	HN	106.0	IAML			14:36	29.26	9	0.18	
HLM1	HE	106.0	IAML			14:36	42.12	28	0.20	
HTL	HZ	119.0	EP			14:36	31.23			0.12
HTL	HE	119.0	IAML			14:36	47.28	11	0.16	
HTL	HN	119.0	IAML			14:36	48.86	11	0.16	
RSBS	HZ	124.0	EP			14:36	31.54			-0.37
RSBS	HN	124.0	ES			14:36	46.42			0.16
RSBS	HE	124.0	IAML			14:36	48.85	17	0.14	
RSBS	HN	124.0	IAML			14:36	48.96	12	0.24	
DYA	HZ	141.0	EP			14:36	33.50			-0.66
DYA	HN	141.0	ES			14:36	50.74			0.60
DYA	HN	141.0	IAML			14:36	52.10	7	0.14	
DYA	HE	141.0	IAML			14:36	52.24	9	0.12	

July 10 2020 Time: 16:22 49.2 UTC Magnitude: 2.0 ML
Lat: 52.509 Lon: -1.524 Depth: 9.3 km
Grid Ref: 432.30 kmE 290.27 kmN RMS: 0.30 secs
Locality: NUNEATON,WARWICKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CWF	HZ	29.4	EP			16:22	54.74			0.12
CWF	HE	29.4	ES			16:22	58.66			0.06
CWF	HN	29.4	IAML			16:22	58.84	170	0.14	
CWF	HE	29.4	IAML			16:22	58.86	172	0.06	
STBN	CZ	41.0	IP		C	16:22	56.40			0.02
STBN	CN	41.0	ES			16:23	01.08			-0.57
STBN	CN	41.0	IAML			16:23	01.66	69	0.17	
STBN	CE	41.0	IAML			16:23	02.36	100	0.15	
STNC	HE	79.5	ES			16:23	12.26			0.25
HLM1	HZ	92.1	IP		C	16:23	04.36			-0.01
HLM1	HE	92.1	ES			16:23	15.20			-0.27
HLM1	HN	92.1	IAML			16:23	15.58	56	0.13	
HLM1	HE	92.1	IAML			16:23	15.84	68	0.12	
STRD	HZ	92.5	EP			16:23	04.67			0.28
STRD	HE	92.5	ES			16:23	15.49			-0.02
STRD	HN	92.5	IAML			16:23	16.24	66	0.14	
STRD	HE	92.5	IAML			16:23	16.26	69	0.17	
LBWR	HZ	100.0	IP		C	16:23	05.71			0.10
LBWR	HE	100.0	ES			16:23	17.55			-0.07
LBWR	HN	100.0	IAML			16:23	20.14	64	0.31	
LBWR	HE	100.0	IAML			16:23	20.39	85	0.24	
MONM	HZ	115.0	EP			16:23	08.01			0.15
MCH1	HZ	116.0	IP		C	16:23	07.81			-0.16
MCH1	HN	116.0	ES			16:23	21.18			-0.52
MCH1	HE	116.0	IAML			16:23	23.38	23	0.05	
MCH1	HN	116.0	IAML			16:23	23.89	25	0.15	
AS02	HZ	120.0	EP			16:23	08.97			0.32
FOEL	HZ	121.0	IP		D	16:23	09.12			0.35
FOEL	HN	121.0	ES			16:23	23.19			0.11
FOEL	HN	121.0	IAML			16:23	23.62	32	0.22	
FOEL	HE	121.0	IAML			16:23	23.82	33	0.41	

July 18 2020 Time: 01:58 05.7 UTC Magnitude: 1.2 ML
Lat: 54.859 Lon: -1.450 Depth: 13.8 km
Grid Ref: 435.30 kmE 551.73 kmN RMS: 0.20 secs
Locality: NEWBOTTLE,TYNE & WEAR
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
EDMD	HZ	33.0	IP		C	01:58	11.71			-0.13
EDMD	HN	33.0	ES			01:58	16.42			0.12
EDMD	HE	33.0	IAML			01:58	17.01	21	0.22	
EDMD	HN	33.0	IAML			01:58	18.84	16	0.15	
AT10	HZ	57.3	EP			01:58	15.57			-0.03
AT10	HE	57.3	ES			01:58	22.71			-0.08
AT10	HE	57.3	IAML			01:58	23.40	21	0.26	
AT10	HN	57.3	IAML			01:58	25.42	14	0.11	
GDLE	HZ	63.6	EP			01:58	17.00			0.45
GDLE	HN	63.6	ES			01:58	23.98			-0.47
GDLE	HN	63.6	IAML			01:58	24.86	22	0.29	
GDLE	HE	63.6	IAML			01:58	24.89	22	0.22	
AU15	HZ	79.3	IP		C	01:58	19.09			0.15
AU15	HE	79.3	ES			01:58	28.65			0.07
AU15	HN	79.3	IAML			01:58	30.23	9	0.15	
AU15	HE	79.3	IAML			01:58	30.38	16	0.39	
AU11	HZ	81.0	IP		D	01:58	19.20			0.02
AU11	HN	81.0	IAML			01:58	29.61	7	0.38	
AU11	HE	81.0	IAML			01:58	30.54	7	0.32	
AU18	HZ	83.2	IP		D	01:58	19.41			-0.13
AU07	HZ	89.1	EP			01:58	20.63			0.18
AQ12	HZ	96.3	IP		C	01:58	21.32			-0.22
AQ12	HN	96.3	IAML			01:58	34.19	9	0.09	
AQ12	HE	96.3	IAML			01:58	34.53	8	0.04	
AU08	HZ	96.5	IP		C	01:58	21.71			0.18
AV06	HZ	99.7	EP			01:58	21.91			-0.07
KESW	HZ	111.0	EP			01:58	23.81			0.22
ESK	HZ	123.0	EP			01:58	24.99			-0.35

July 18 2020 Time: 06:51 56.6 UTC Magnitude: 0.8 ML
Lat: 53.334 Lon: -4.505 Depth: 11.4 km
Grid Ref: 233.22 kmE 384.85 kmN RMS: 0.30 secs
Locality: ANGLESEY,GWYNEDD
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WLF1	HZ	8.7	IP		D	06:51	59.19			-0.01
WLF1	HN	8.7	ES			06:52	01.03			-0.08
WLF1	HN	8.7	IAML			06:52	01.14	144	0.07	
WLF1	HE	8.7	IAML			06:52	01.14	156	0.10	
FOEL	HZ	100.0	EP			06:52	13.69			0.60
FOEL	HE	100.0	ES			06:52	24.67			-0.47
FOEL	HE	100.0	IAML			06:52	25.18	2	0.15	
FOEL	HN	100.0	IAML			06:52	25.79	4	0.24	
IOMK	HZ	103.0	EP			06:52	13.74			0.27
IOMK	HE	103.0	ES			06:52	25.51			-0.30
IOMK	HE	103.0	IAML			06:52	26.49	1	0.13	
IOMK	HN	103.0	IAML			06:52	26.83	1	0.11	
DSB	HZ	125.0	EP			06:52	16.41			-0.16
HLM1	HZ	142.0	EP			06:52	19.51			0.45
HLM1	HE	142.0	ES			06:52	35.57			0.10
HLM1	HN	142.0	IAML			06:52	36.54	1	0.12	
HLM1	HE	142.0	IAML			06:52	36.91	2	0.15	
RSBS	HE	155.0	ES			06:52	37.97			-0.54

July 19 2020 Time: 20:40 44.7 UTC Magnitude: 0.9 ML
Lat: 56.641 Lon: -5.662 Depth: 8.6 km
Grid Ref: 175.49 kmE 755.89 kmN RMS: 0.20 secs
Locality: STRONTIAN,HIGHLAND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 8KM SW STRONTIAN

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	45.4	IP		C	20:40	52.71			0.06
LAWE	HE	45.4	ES			20:40	58.24			-0.19
LAWE	HN	45.4	IAML			20:40	58.46	9	0.12	
LAWE	HE	45.4	IAML			20:40	58.52	9	0.10	
KPL	HZ	77.7	EP			20:40	57.60			-0.03
KPL	HN	77.7	IAML			20:41	10.56	3	0.16	
KPL	HE	77.7	IAML			20:41	11.12	7	0.26	
INVG	HZ	102.0	EP			20:41	01.71			0.20
INVG	HE	102.0	ES			20:41	13.59			-0.16
INVG	HE	102.0	IAML			20:41	16.44	8	0.10	
INVG	HN	102.0	IAML			20:41	16.72	7	0.15	
PGB1	HN	118.0	ES			20:41	18.07			0.21
LINV	HE	170.0	ES			20:41	30.41			-0.13

July 21 2020 Time: 02:05 10.1 UTC Magnitude: 0.1 ML
Lat: 54.641 Lon: -2.656 Depth: 12.2 km
Grid Ref: 357.67 kmE 527.53 kmN RMS: 0.20 secs
Locality: PENRITH,CUMBRIA
Velocity model: Lownet Xnear: 50.0 Xfar: 100.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AQ12	HZ	23.6	EP			02:05	15.13			0.30
AQ12	HN	23.6	ES			02:05	18.24			-0.03
AQ12	HN	23.6	IAML			02:05	18.43	8	0.10	
AQ12	HE	23.6	IAML			02:05	18.63	10	0.10	
KESW	HZ	29.6	IP		C	02:05	15.88			0.18
KESW	HN	29.6	ES			02:05	19.71			-0.06
KESW	HE	29.6	IAML			02:05	19.98	1	0.12	

TABLE 2 : PHASE DATA

KESW	HN	29.6	IAML		02:05	20.10	1	0.15	
EDMD	HZ	49.4	IP	C	02:05	18.82			0.15
EDMD	HE	49.4	ES		02:05	24.65			-0.27
EDMD	HN	49.4	IAML		02:05	25.03	3	0.11	
EDMD	HE	49.4	IAML		02:05	25.18	3	0.19	
AP12	HZ	54.1	IP	D	02:05	19.53			0.10
AP12	HE	54.1	ES		02:05	25.78			-0.45
AP12	HN	54.1	IAML		02:05	26.17	2	0.20	
AP12	HE	54.1	IAML		02:05	26.18	2	0.12	
ESK	HZ	83.0	EP		02:05	24.39			0.49
ESK	HN	83.0	ES		02:05	33.65			-0.31
ESK	HE	83.0	IAML		02:05	34.43	1	0.24	
ESK	HN	83.0	IAML		02:05	35.34	0	0.30	

July 24 2020 Time: 06:38 20.7 UTC Magnitude: 0.8 ML
Lat: 53.186 Lon: -2.555 Depth: 7.7 km
Grid Ref: 362.92 kmE 365.61 kmN RMS: 0.20 secs
Locality: WINSFORD,CHESHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
FOEL	HZ	54.4	EP			06:38	29.97			-0.08
FOEL	HE	54.4	ES			06:38	37.16			0.28
FOEL	HN	54.4	IAML			06:38	37.45	3	0.29	
FOEL	HE	54.4	IAML			06:38	40.64	3	0.36	
AS02	HZ	55.8	EP			06:38	30.51			0.28
AS02	HN	55.8	ES			06:38	37.28			0.07
AS02	HN	55.8	IAML			06:38	38.01	2	0.23	
AS02	HE	55.8	IAML			06:38	38.33	3	0.13	
LBWR	HZ	60.3	IP		C	06:38	31.26			0.31
LBWR	HE	60.3	ES			06:38	38.25			-0.19
LBWR	HE	60.3	IAML			06:38	38.87	6	0.26	
LBWR	HN	60.3	IAML			06:38	40.33	4	0.20	
HLM1	HZ	77.5	EP			06:38	33.55			-0.07
HLM1	HN	77.5	ES			06:38	42.76			-0.30
HLM1	HE	77.5	IAML			06:38	43.62	6	0.11	
HLM1	HN	77.5	IAML			06:38	44.18	6	0.14	
AR07	HN	90.4	ES			06:38	46.15			-0.31
AR05	HZ	96.4	EP			06:38	36.64			0.13
AR05	HN	96.4	ES			06:38	47.98			-0.09
AR05	HN	96.4	IAML			06:38	48.76	6	0.17	
AR05	HE	96.4	IAML			06:38	50.83	6	0.20	
HPK	HE	106.0	ES			06:38	50.54			-0.05
HPK	HN	106.0	IAML			06:38	51.22	13	0.18	
HPK	HE	106.0	IAML			06:38	51.66	11	0.14	
MCH1	HE	136.0	ES			06:38	58.33			0.01
MCH1	HN	136.0	IAML			06:39	00.07	3	0.13	
MCH1	HE	136.0	IAML			06:39	00.08	3	0.20	

July 27 2020 Time: 04:05 30.6 UTC Magnitude: 0.1 ML
Lat: 56.201 Lon: -4.937 Depth: 8.6 km
Grid Ref: 217.83 kmE 704.81 kmN RMS: 0.30 secs
Locality: LOCH GOIL,ARGYLL/BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	29.4	EP			04:05	36.12			0.06
LAWE	HN	29.4	ES			04:05	39.77			-0.25
LAWE	HN	29.4	IAML			04:05	39.90	4	0.13	
LAWE	HE	29.4	IAML			04:05	40.10	4	0.13	
EAB	HZ	37.3	EP			04:05	37.69			0.38
EAB	HN	37.3	ES			04:05	41.59			-0.59
EAB	HE	37.3	IAML			04:05	42.47	2	0.09	
EAB	HN	37.3	IAML			04:05	42.71	3	0.09	
INVG	HZ	60.8	EP			04:05	41.44			0.49
INVG	HN	60.8	ES			04:05	48.35			-0.13
INVG	HN	60.8	IAML			04:05	53.00	1	0.11	
INVG	HE	60.8	IAML			04:05	53.30	1	0.24	

July 29 2020 Time: 23:15 56.4 UTC Magnitude: 3.1 ML
Lat: 60.902 Lon: 4.058 Depth: 10.0 km
Grid Ref: 728.31 kmE 1239.48 kmN RMS: 0.30 secs
Locality: NORTHERN NORTH SEA
Velocity model: North Sea Xnear: 600.0 Xfar: 800.0
Comment: 300KM ENE LERWICK

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LRW	HZ	300.0	EP			23:16	38.30			0.16
LRW	HN	300.0	ES			23:17	08.74			0.12
LRW	HE	300.0	IAML			23:17	11.65	21	0.32	
LRW	HN	300.0	IAML			23:17	15.47	16	0.18	
MCD	HZ	557.0	EP			23:17	10.21			0.11
MCD	HN	557.0	ES			23:18	03.54			-0.36
MCD	HE	557.0	IAML			23:18	05.51	21	0.24	
MCD	HN	557.0	IAML			23:18	06.81	17	0.66	
DRUM	HZ	582.0	EP			23:17	13.17			-0.06
DRUM	HN	582.0	ES			23:18	09.53			0.20
DRUM	HN	582.0	IAML			23:18	13.19	25	0.50	
DRUM	HE	582.0	IAML			23:18	17.64	14	0.28	
LINV	HZ	606.0	EP			23:17	15.82			-0.38
LINV	HN	606.0	IAML			23:18	14.11	6	0.16	
LINV	HE	606.0	IAML			23:18	16.16	6	0.22	
INVG	HZ	684.0	EP			23:17	25.52			-0.38
INVG	HN	684.0	ES			23:18	31.51			0.26
INVG	HE	684.0	IAML			23:18	36.69	5	0.28	
INVG	HN	684.0	IAML			23:18	47.07	6	0.54	
EDI	HZ	697.0	EP			23:17	28.11			0.65
EAB	HZ	716.0	EP			23:17	30.42			0.54
EAB	HE	716.0	IAML			23:18	51.77	5	0.52	
EAB	HN	716.0	IAML			23:18	58.09	4	0.46	
EDMD	HZ	764.0	EP			23:17	34.65			-1.12
EDMD	HN	764.0	IAML			23:18	51.82	10	0.36	
EDMD	HE	764.0	IAML			23:18	52.18	9	0.25	

July 30 2020 Time: 02:00 13.6 UTC Magnitude: 0.5 ML
Lat: 56.196 Lon: -4.937 Depth: 8.7 km
Grid Ref: 217.80 kmE 704.25 kmN RMS: 0.40 secs
Locality: LOCH GOIL,ARGYLL/BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	29.5	EP			02:00	19.13			0.09
LAWE	HE	29.5	ES			02:00	22.72			-0.30
LAWE	HN	29.5	IAML			02:00	23.01	7	0.14	
LAWE	HE	29.5	IAML			02:00	23.05	8	0.13	
EAB	HZ	37.3	EP			02:00	20.66			0.39
EAB	HN	37.3	ES			02:00	24.55			-0.59
EAB	HE	37.3	IAML			02:00	25.46	5	0.09	
EAB	HN	37.3	IAML			02:00	25.70	6	0.07	
INVG	HZ	61.0	EP			02:00	24.54			0.59
INVG	HE	61.0	ES			02:00	31.32			-0.19
INVG	HN	61.0	IAML			02:00	36.01	4	0.07	
INVG	HE	61.0	IAML			02:00	36.35	3	0.25	

July 30 2020 Time: 03:24 25.8 UTC Magnitude: 0.8 ML
Lat: 56.390 Lon: -6.150 Depth: 7.2 km
Grid Ref: 143.90 kmE 729.69 kmN RMS: 0.40 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
LAWE	HZ	48.6	EP			03:24	34.11			-0.12
LAWE	HN	48.6	ES			03:24	39.99			-0.40
LAWE	HN	48.6	IAML			03:24	40.79	7	0.18	
LAWE	HE	48.6	IAML			03:24	40.92	3	0.13	
KPL	HZ	110.0	EP			03:24	43.50			-0.22
EAB	HZ	114.0	EP			03:24	45.18			0.72
EAB	HN	114.0	IAML			03:25	00.61	2	0.12	
EAB	HE	114.0	IAML			03:25	00.87	3	0.17	
INVG	HZ	130.0	EP			03:24	46.77			-0.04
INVG	HN	130.0	ES			03:25	02.58			0.42
INVG	HE	130.0	IAML			03:25	04.01	2	0.10	
INVG	HN	130.0	IAML			03:25	04.44	2	0.10	
CLGH	HN	146.0	ES			03:25	05.93			-0.02
CLGH	HN	146.0	IAML			03:25	07.88	2	0.20	
CLGH	HE	146.0	IAML			03:25	08.03	4	0.28	

July 30 2020 Time: 05:00 33.1 UTC Magnitude: 0.2 ML
Lat: 56.190 Lon: -4.936 Depth: 8.5 km
Grid Ref: 217.84 kmE 703.58 kmN RMS: 0.40 secs
Locality: LOCH GOIL,ARGYLL/BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	29.8	EP			05:00	38.72			0.11
LAWE	HN	29.8	ES			05:00	42.32			-0.30
LAWE	HN	29.8	IAML			05:00	42.45	6	0.34	
LAWE	HE	29.8	IAML			05:00	42.45	5	0.30	
EAB	HZ	37.1	EP			05:00	40.23			0.45
EAB	HN	37.1	ES			05:00	44.01			-0.63
EAB	HE	37.1	IAML			05:00	45.27	2	0.11	
EAB	HN	37.1	IAML			05:00	45.29	3	0.12	
INVG	HZ	61.2	EP			05:00	44.00			0.49
INVG	HN	61.2	ES			05:00	50.96			-0.13
INVG	HN	61.2	IAML			05:00	55.52	2	0.10	
INVG	HE	61.2	IAML			05:00	55.78	1	0.08	

July 31 2020 Time: 11:29 23.5 UTC Magnitude: 1.3 ML
Lat: 56.177 Lon: -4.940 Depth: 8.4 km
Grid Ref: 217.53 kmE 702.14 kmN RMS: 0.50 secs
Locality: LOCH GOIL,ARGYLL/BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	29.9	IP		C	11:29	29.07			0.01
LAWE	HN	29.9	ES			11:29	32.65			-0.43
LAWE	HN	29.9	IAML			11:29	32.80	31	0.14	
LAWE	HE	29.9	IAML			11:29	33.00	28	0.12	
PGB1	HZ	49.6	EP			11:29	32.71			0.58
PGB1	HE	49.6	ES			11:29	38.30			-0.09
PGB1	HE	49.6	IAML			11:29	38.64	35	0.30	
PGB1	HN	49.6	IAML			11:29	39.10	31	0.25	
INVG	HZ	62.1	IP		C	11:29	34.35			0.28
INVG	HE	62.1	ES			11:29	41.23			-0.52
INVG	HN	62.1	IAML			11:29	45.98	16	0.12	
INVG	HE	62.1	IAML			11:29	46.28	14	0.16	
NEWG	HZ	126.0	EP			11:29	44.66			0.77
NEWG	HE	126.0	ES			11:29	58.49			-0.25
NEWG	HN	126.0	IAML			11:30	00.83	4	0.12	
NEWG	HE	126.0	IAML			11:30	01.01	6	0.25	
KPL	HZ	137.0	EP			11:29	46.07			0.72
KPL	HE	137.0	IAML			11:30	03.93	7	0.07	
KPL	HN	137.0	IAML			11:30	07.57	6	0.32	
CLGH	HN	142.0	ES			11:30	02.66			-0.12
CLGH	HN	142.0	IAML			11:30	04.40	7	0.11	

TABLE 2 : PHASE DATA

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CLGH	HE	142.0	IAML			11:30	05.97	7	0.17	
ESK	HZ	145.0	EP			11:29	46.70			0.09
ESK	HE	145.0	ES			11:30	02.99			-0.46
ESK	HE	145.0	IAML			11:30	06.43	4	0.12	
ESK	HN	145.0	IAML			11:30	06.74	5	0.33	
GAL1	HE	147.0	ES			11:30	02.87			-0.92
GAL1	HE	147.0	IAML			11:30	04.44	5	0.37	
GAL1	HN	147.0	IAML			11:30	05.77	4	0.21	

July 31 2020 Time: 11:37 08.3 UTC Magnitude: 0.5 ML
Lat: 56.206 Lon: -4.949 Depth: 7.4 km
Grid Ref: 217.11 kmE 705.39 kmN RMS: 0.30 secs
Locality: LOCH GOIL,ARGYLL/BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	28.6	IP		C	11:37	13.74			0.11
LAWE	HN	28.6	ES			11:37	17.35			-0.15
LAWE	HE	28.6	IAML			11:37	17.68	10	0.14	
LAWE	HN	28.6	IAML			11:37	17.70	10	0.12	
EAB	HZ	38.0	IP		C	11:37	15.25			0.12
EAB	HN	38.0	ES			11:37	19.72			-0.37
EAB	HN	38.0	IAML			11:37	20.28	7	0.06	
EAB	HE	38.0	IAML			11:37	20.28	4	0.15	
INVG	HZ	61.2	EP			11:37	19.33			0.61
INVG	HN	61.2	ES			11:37	25.99			-0.32

August 1 2020 Time: 11:18 10.2 UTC Magnitude: 0.7 ML
Lat: 56.260 Lon: -5.299 Depth: 4.4 km
Grid Ref: 195.70 kmE 712.38 kmN RMS: 0.20 secs
Locality: DALAVICH,ARGYLL & BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	6.2	IP		C	11:18	11.92			0.08
LAWE	HN	6.2	ES			11:18	12.87			-0.15
LAWE	HN	6.2	IAML			11:18	12.98	25	0.07	
LAWE	HE	6.2	IAML			11:18	12.98	119	0.14	
EAB	HZ	60.2	EP			11:18	20.82			0.14
EAB	HN	60.2	ES			11:18	28.16			-0.15
EAB	HE	60.2	IAML			11:18	33.07	4	0.11	
EAB	HN	60.2	IAML			11:18	33.10	5	0.10	
INVG	HZ	79.8	EP			11:18	24.01			0.28
INVG	HN	79.8	ES			11:18	33.38			-0.20
INVG	HN	79.8	IAML			11:18	37.81	7	0.10	
INVG	HE	79.8	IAML			11:18	37.89	5	0.18	

August 4 2020 Time: 04:02 54.3 UTC Magnitude: 0.6 ML
Lat: 56.187 Lon: -4.948 Depth: 8.9 km
Grid Ref: 217.08 kmE 703.28 kmN RMS: 0.30 secs
Locality: LOCH GOIL,ARGYLL/BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	29.2	IP		C	04:02	59.87			0.13
LAWE	HN	29.2	ES			04:03	03.47			-0.21
LAWE	HN	29.2	IAML			04:03	03.53	8	0.12	
LAWE	HE	29.2	IAML			04:03	03.60	5	0.15	
EAB	HZ	37.9	EP			04:03	01.40			0.28
EAB	HN	37.9	IAML			04:03	06.44	7	0.08	
EAB	HE	37.9	IAML			04:03	06.49	5	0.09	
PGB1	HZ	50.8	EP			04:03	03.27			0.16
PGB1	HN	50.8	ES			04:03	09.24			-0.26
PGB1	HE	50.8	IAML			04:03	09.32	6	0.28	
PGB1	HN	50.8	IAML			04:03	09.91	7	0.28	
INVG	HZ	62.0	EP			04:03	05.15			0.29
INVG	HN	62.0	ES			04:03	12.14			-0.39
INVG	HN	62.0	IAML			04:03	16.78	4	0.18	
INVG	HE	62.0	IAML			04:03	17.08	3	0.14	

August 5 2020 Time: 22:57 24.4 UTC Magnitude: 0.7 ML
Lat: 56.040 Lon: -5.259 Depth: 2.9 km
Grid Ref: 197.01 kmE 687.80 kmN RMS: 0.10 secs
Locality: LOCHGAIR,ARGYLL & BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 5KM ESE LOCHGAIR

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	26.0	IP		D	22:57	29.46			0.12
LAWE	HE	26.0	ES			22:57	32.79			-0.12
LAWE	HE	26.0	IAML			22:57	33.11	8	0.15	
LAWE	HN	26.0	IAML			22:57	33.65	5	0.11	
EAB	HZ	59.7	EP			22:57	34.84			-0.07
EAB	HN	59.7	IAML			22:57	43.20	4	0.10	
EAB	HE	59.7	IAML			22:57	44.58	4	0.06	
INVG	HZ	86.8	EP			22:57	39.19			0.07
INVG	HE	86.8	IAML			22:57	52.44	2	0.14	
INVG	HN	86.8	IAML			22:57	52.57	2	0.16	
CLGH	HZ	119.0	EP			22:57	44.12			-0.03
CLGH	HN	119.0	IAML			22:57	59.33	5	0.14	
CLGH	HE	119.0	IAML			22:57	59.70	7	0.23	
KPL	HZ	147.0	EP			22:57	48.27			0.11

August 6 2020 Time: 23:45 40.3 UTC Magnitude: 0.7 ML
Lat: 55.919 Lon: -4.367 Depth: 4.9 km
Grid Ref: 252.10 kmE 672.07 kmN RMS: 0.10 secs
Locality: BEARSDEN,E DUNB'SHIRE
Velocity model: Lownet Xnear: 60.0 Xfar: 120.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
PGB1	HZ	14.0	EP			23:45	43.35			0.10
PGB1	HN	14.0	ES			23:45	45.31			-0.07
PGB1	HE	14.0	IAML			23:45	48.46	83	0.44	
PGB1	HN	14.0	IAML			23:45	48.49	85	0.26	
EAB	HZ	30.1	EP			23:45	45.97			0.00
EAB	HE	30.1	IAML			23:45	53.57	6	0.08	
EAB	HN	30.1	IAML			23:45	53.77	8	0.10	
INVG	HZ	60.1	EP			23:45	50.71			-0.02
INVG	HE	60.1	IAML			23:46	00.84	4	0.38	
INVG	HN	60.1	IAML			23:46	04.25	2	0.16	
LAWE	HZ	74.6	EP			23:45	52.89			-0.07
LAWE	HN	74.6	ES			23:46	02.21			0.04
LAWE	HE	74.6	IAML			23:46	05.87	5	0.26	
LAWE	HN	74.6	IAML			23:46	08.04	6	0.18	

August 7 2020 Time: 06:22 34.8 UTC Magnitude: 1.1 ML
Lat: 52.020 Lon: -3.577 Depth: 14.1 km
Grid Ref: 291.80 kmE 236.95 kmN RMS: 0.10 secs
Locality: TIRABAD,POWYS
Velocity model: Mid Wales Xnear: 80.0 Xfar: 200.0
Comment: 6KM SE TIRABAD

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MCH1	HZ	39.8	IP		C	06:22	42.00			0.03
MCH1	HN	39.8	ES			06:22	47.02			-0.12
MCH1	HN	39.8	IAML			06:22	47.11	43	0.12	
MCH1	HE	39.8	IAML			06:22	47.12	28	0.10	
MONM	HZ	56.9	IP		D	06:22	44.75			0.09
MONM	HN	56.9	ES			06:22	51.77			0.00
MONM	HN	56.9	IAML			06:22	52.03	17	0.22	
MONM	HE	56.9	IAML			06:22	52.15	13	0.12	
HLM1	HZ	73.0	EP			06:22	47.19			0.07
HLM1	HN	73.0	ES			06:22	55.85			-0.15
HLM1	HE	73.0	IAML			06:22	56.71	5	0.17	
HLM1	HN	73.0	IAML			06:22	57.04	4	0.34	
RSBS	HZ	80.5	EP			06:22	48.30			0.07
RSBS	HN	80.5	ES			06:22	57.77			-0.15
RSBS	HN	80.5	IAML			06:22	59.54	6	0.09	
RSBS	HE	80.5	IAML			06:22	59.78	5	0.06	
FOEL	HZ	100.0	EP			06:22	51.41			0.22
FOEL	HN	100.0	IAML			06:23	04.42	5	0.30	
FOEL	HE	100.0	IAML			06:23	07.41	7	0.52	

August 8 2020 Time: 11:09 41.7 UTC Magnitude: 1.0 ML
Lat: 51.592 Lon: -3.405 Depth: 2.1 km
Grid Ref: 302.68 kmE 189.12 kmN RMS: 0.20 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	49.8	EP			11:09	50.74			-0.13
MONM	HN	49.8	ES			11:09	57.82			0.29
MONM	HN	49.8	IAML			11:09	58.10	10	0.30	
MONM	HE	49.8	IAML			11:09	59.42	12	0.22	
MCH1	HZ	53.1	EP			11:09	51.07			-0.34
MCH1	HN	53.1	ES			11:09	58.23			-0.24
MCH1	HN	53.1	IAML			11:09	58.52	14	0.16	
MCH1	HE	53.1	IAML			11:09	58.59	10	0.17	
HTL	HZ	100.0	EP			11:09	58.88			0.15
HLM1	HZ	109.0	EP			11:10	00.58			0.44
HLM1	HE	109.0	ES			11:10	13.59			0.02
HLM1	HE	109.0	IAML			11:10	18.01	8	0.20	
HLM1	HN	109.0	IAML			11:10	18.03	7	0.18	
DYA	HZ	134.0	EP			11:10	03.79			-0.16
DYA	HN	134.0	ES			11:10	20.07			-0.09
DYA	HE	134.0	IAML			11:10	22.29	6	0.26	
DYA	HN	134.0	IAML			11:10	22.51	6	0.29	

August 9 2020 Time: 02:04 24.9 UTC Magnitude: 1.2 ML
Lat: 54.038 Lon: -0.495 Depth: 20.6 km
Grid Ref: 498.55 kmE 461.29 kmN RMS: 0.20 secs
Locality: DRIFFIELD,E YORKSHIRE
Velocity model: Lownet Xnear: 75.0 Xfar: 150.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AV06	HZ	13.9	IP		D	02:04	28.96			-0.19
AV06	HN	13.9	ES			02:04	32.31			0.08
AV06	HE	13.9	IAML			02:04	32.71	63	0.15	
AV06	HN	13.9	IAML			02:04	32.82	27	0.08	
AU08	HZ	14.5	IP		D	02:04	29.03			-0.17
AU08	HE	14.5	ES			02:04	32.47			0.15
AU08	HN	14.5	IAML			02:04	32.70	34	0.12	
AU08	HE	14.5	IAML			02:04	32.80	34	0.14	
AU18	HZ	27.2	IP		D	02:04	30.42			-0.21
AU18	HN	27.2	ES			02:04	34.91			0.12
AU18	HE	27.2	IAML			02:04	35.32	21	0.39	
AU18	HN	27.2	IAML			02:04	35.33	30	0.44	
AU05	HZ	31.8	EP			02:04	30.92			-0.29
AU05	HN	31.8	ES			02:04	35.78			-0.02
AU05	HN	31.8	IAML			02:04	36.24	69	0.15	
AU05	HE	31.8	IAML			02:04	36.35	85	0.09	
AU15	HZ	32.9	IP		D	02:04	31.31			-0.05
AU11	HZ	33.6	EP			02:04	31.40			-0.06
AU11	HN	33.6	ES			02:04	36.38			0.15
AU11	HN	33.6	IAML			02:04	36.68	13	0.19	
AU11	HE	33.6	IAML			02:04	36.70	22	0.10	

TABLE 2 : PHASE DATA

AT10	HZ	57.8	IP	C	02:04	34.92			0.01
AT10	HE	57.8	ES		02:04	42.29			0.08
AT10	HN	57.8	IAML		02:04	42.75	19	0.14	
AT10	HE	57.8	IAML		02:04	42.94	22	0.11	
LMK	HZ	65.7	EP		02:04	36.37			0.37
AS07	HZ	97.3	IP	D	02:04	40.62			0.05

August 9 2020 Time: 08:08 15.1 UTC Magnitude: 0.0 ML
Lat: 56.212 Lon: -5.286 Depth: 4.6 km
Grid Ref: 196.24 kmE 707.01 kmN RMS: 0.10 secs
Locality: EREDINE,ARGYLL & BUTE
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	8.8	EP			08:08	17.02			-0.14
LAWE	HN	8.8	ES			08:08	18.71			0.06
LAWE	HN	8.8	IAML			08:08	18.82	12	0.10	
LAWE	HE	8.8	IAML			08:08	18.87	13	0.18	
EAB	HZ	58.9	EP			08:08	25.47			0.12
EAB	HN	58.9	ES			08:08	32.70			-0.12
INVG	HZ	80.5	EP			08:08	28.80			0.10
INVG	HN	80.5	ES			08:08	38.58			-0.02

August 12 2020 Time: 00:14 12.5 UTC Magnitude: 0.9 ML
Lat: 52.319 Lon: -1.789 Depth: 7.0 km
Grid Ref: 414.38 kmE 269.05 kmN RMS: 0.10 secs
Locality: HENLEY,WARWICKSHIRE
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CWF	HZ	57.0	EP			00:14	22.32			0.07
CWF	HN	57.0	ES			00:14	29.29			-0.08
CWF	HN	57.0	IAML			00:14	32.16	2	0.18	
CWF	HE	57.0	IAML			00:14	33.21	3	0.10	
STRD	HZ	65.6	EP			00:14	23.60			0.02
STRD	HE	65.6	IAML			00:14	32.67	10	0.22	
STRD	HN	65.6	IAML			00:14	33.73	8	0.18	
HLM1	HZ	77.5	EP			00:14	25.56			0.09
HLM1	HN	77.5	ES			00:14	34.93			-0.02
HLM1	HE	77.5	IAML			00:14	35.05	4	0.12	
HLM1	HN	77.5	IAML			00:14	35.17	4	0.20	
MONM	HZ	87.7	EP			00:14	27.05			0.06
MONM	HE	87.7	ES			00:14	37.65			0.07
MONM	HE	87.7	IAML			00:14	37.89	6	0.14	
MONM	HN	87.7	IAML			00:14	39.01	6	0.22	
MCH1	HZ	90.1	EP			00:14	27.28			-0.11
MCH1	HN	90.1	ES			00:14	38.02			-0.24
MCH1	HE	90.1	IAML			00:14	38.12	5	0.20	
MCH1	HN	90.1	IAML			00:14	39.43	9	0.10	
LPW	HN	157.0	ES			00:14	55.71			0.15
LPW	HE	157.0	IAML			00:14	56.91	2	0.15	
LPW	HN	157.0	IAML			00:14	57.70	2	0.22	

August 12 2020 Time: 04:35 22.4 UTC Magnitude: 0.9 ML
Lat: 51.877 Lon: -2.833 Depth: 18.7 km
Grid Ref: 342.66 kmE 220.20 kmN RMS: 0.10 secs
Locality: CROSS ASH,MONMOUTHSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MONM	HZ	4.7	EP			04:35	25.78			0.07
MONM	HN	4.7	ES			04:35	28.33			0.17
MONM	HN	4.7	IAML			04:35	28.77	31	0.10	
MONM	HE	4.7	IAML			04:35	28.79	59	0.15	
MCH1	HZ	17.5	IP	D		04:35	26.67			-0.10
MCH1	HN	17.5	ES			04:35	29.74			-0.26
MCH1	HE	17.5	IAML			04:35	30.15	36	0.08	
MCH1	HN	17.5	IAML			04:35	30.18	14	0.07	
OLDB	HZ	31.0	EP			04:35	28.48			0.02
STRD	HZ	47.6	EP			04:35	30.96			0.10
STRD	HE	47.6	ES			04:35	36.82			-0.25
STRD	HE	47.6	IAML			04:35	37.75	6	0.12	
STRD	HN	47.6	IAML			04:35	37.79	8	0.09	
HLM1	HZ	71.4	EP			04:35	34.47			0.16
HLM1	HN	71.4	ES			04:35	43.14			0.11
HLM1	HE	71.4	IAML			04:35	43.43	6	0.20	
HLM1	HN	71.4	IAML			04:35	43.67	4	0.08	
RSBS	HZ	132.0	EP			04:35	42.91			0.00
RSBS	HN	132.0	IAML			04:35	59.31	4	0.12	
RSBS	HE	132.0	IAML			04:35	59.48	4	0.08	
HTL	HZ	151.0	EP			04:35	45.47			-0.08

August 14 2020 Time: 03:52 42.3 UTC Magnitude: 0.7 ML
Lat: 52.995 Lon: -2.182 Depth: 13.7 km
Grid Ref: 387.79 kmE 344.24 kmN RMS: 0.30 secs
Locality: STOKE-ON-TRENT,STAFFS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
STNC	HZ	10.9	IP	D		03:52	45.49			0.10
STNC	HN	10.9	ES			03:52	48.00			0.32
STNC	HN	10.9	IAML			03:52	48.16	33	0.13	
STNC	HE	10.9	IAML			03:52	48.27	30	0.10	
AS02	HZ	63.6	EP			03:52	53.22			0.14
AS02	HN	63.6	ES			03:53	00.67			-0.31
AS02	HN	63.6	IAML			03:53	01.39	4	0.24	
AS02	HE	63.6	IAML			03:53	01.43	4	0.28	
CWF	HZ	65.4	EP			03:52	53.31			-0.02
CWF	HN	65.4	ES			03:53	01.30			-0.12
CWF	HE	65.4	IAML			03:53	02.00	4	0.13	
CWF	HN	65.4	IAML			03:53	02.00	5	0.15	
FOEL	HZ	69.4	EP			03:52	53.74			-0.25
HLM1	HZ	70.9	EP			03:52	54.13			-0.09
HLM1	HE	70.9	ES			03:53	02.66			-0.30
HLM1	HE	70.9	IAML			03:53	03.48	6	0.26	
HLM1	HN	70.9	IAML			03:53	04.93	2	0.17	
MCH1	HZ	124.0	EP			03:53	02.31			0.32
MCH1	HE	124.0	ES			03:53	17.00			0.61
MCH1	HN	124.0	IAML			03:53	18.44	3	0.30	
MCH1	HE	124.0	IAML			03:53	18.76	2	0.22	

August 16 2020 Time: 15:15 50.5 UTC Magnitude: 0.5 ML
Lat: 54.153 Lon: -2.968 Depth: 4.1 km
Grid Ref: 336.79 kmE 473.47 kmN RMS: 0.10 secs
Locality: FLOOKBURGH,CUMBRIA
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AP12	HZ	26.2	EP			15:15	55.41			-0.03
AP12	HN	26.2	ES			15:15	59.00			-0.06
AP12	HN	26.2	IAML			15:15	59.25	7	0.13	
AP12	HE	26.2	IAML			15:15	59.25	12	0.20	
AQ12	HZ	34.6	EP			15:15	57.06			0.16
AQ12	HN	34.6	ES			15:16	01.49			-0.09
AQ12	HN	34.6	IAML			15:16	01.94	8	0.14	
AQ12	HE	34.6	IAML			15:16	02.05	9	0.09	
AR09	HZ	35.4	EP			15:15	57.12			0.08
AR07	HZ	37.6	EP			15:15	57.50			0.12
AR07	HN	37.6	ES			15:16	02.22			-0.19
AR07	HN	37.6	IAML			15:16	02.63	10	0.09	
AR07	HE	37.6	IAML			15:16	02.69	9	0.11	
KESW	HZ	49.3	EP			15:15	59.27			0.01
KESW	HN	49.3	ES			15:16	05.64			-0.03
KESW	HN	49.3	IAML			15:16	06.47	2	0.23	
KESW	HE	49.3	IAML			15:16	06.51	2	0.16	
IOMK	HZ	105.0	EP			15:16	07.88			0.01

August 17 2020 Time: 06:07 18.5 UTC Magnitude: 1.2 ML
Lat: 52.830 Lon: -1.078 Depth: 7.1 km
Grid Ref: 462.11 kmE 326.27 kmN RMS: 0.20 secs
Locality: WYSALL,NOTTINGHAMSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CWF	HZ	18.5	EP			06:07	22.26			-0.02
CWF	HE	18.5	ES			06:07	25.00			-0.02
CWF	HE	18.5	IAML			06:07	25.17	53	0.10	
CWF	HN	18.5	IAML			06:07	25.18	80	0.10	
LMK	HZ	86.0	EP			06:07	33.01			0.24
AS02	HZ	101.0	EP			06:07	35.03			-0.07
AS02	HN	101.0	ES			06:07	47.09			-0.10
AS02	HE	101.0	IAML			06:07	48.14	10	0.30	
AS02	HN	101.0	IAML			06:07	49.13	9	0.28	
WACR	HN	116.0	ES			06:07	50.96			-0.15
WACR	HN	116.0	IAML			06:07	51.70	14	0.22	
WACR	HE	116.0	IAML			06:07	53.00	10	0.16	
HLM1	HZ	127.0	EP			06:07	38.89			-0.22
HLM1	HN	127.0	IAML			06:07	54.05	5	0.14	
HLM1	HE	127.0	IAML			06:07	54.57	4	0.09	
HPK	HN	131.0	ES			06:07	55.07			0.03
FOEL	HZ	143.0	EP			06:07	41.31			-0.13
FOEL	HE	143.0	ES			06:07	58.52			0.35
FOEL	HN	143.0	IAML			06:07	59.51	6	0.58	
FOEL	HE	143.0	IAML			06:07	59.65	3	0.27	
MCH1	HZ	160.0	EP			06:07	44.05			0.21
MCH1	HN	160.0	ES			06:08	02.32			0.00
MCH1	HN	160.0	IAML			06:08	03.04	3	0.32	
MCH1	HE	160.0	IAML			06:08	05.55	3	0.16	
MONM	HZ	161.0	EP			06:07	44.39			0.41

August 19 2020 Time: 13:48 19.4 UTC Magnitude: 0.9 ML
Lat: 52.208 Lon: -2.405 Depth: 8.2 km
Grid Ref: 372.33 kmE 256.76 kmN RMS: 0.20 secs
Locality: WHITBOURNE,HEREF
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MCH1	HZ	46.9	EP			13:48	27.43			-0.13
MCH1	HN	46.9	ES			13:48	33.12			-0.39
MCH1	HN	46.9	IAML			13:48	33.24	8	0.18	
MCH1	HE	46.9	IAML			13:48	33.33	6	0.12	
HLM1	HZ	47.4	EP			13:48	27.82			0.15
HLM1	HE	47.4	ES			13:48	33.84			0.13
HLM1	HE	47.4	IAML			13:48	34.19	7	0.24	
HLM1	HN	47.4	IAML			13:48	34.60	5	0.09	
MONM	HZ	49.3	EP			13:48	27.89			-0.03
MONM	HE	49.3	ES			13:48	34.11			-0.03
MONM	HN	49.3	IAML			13:48	34.25	18	0.22	
MONM	HE	49.3	IAML			13:48	34.69	12	0.11	
STRD	HZ	50.9	EP			13:48	28.22			0.05
STRD	HN	50.9	ES			13:48	34.88			0.31
STRD	HN	50.9	IAML			13:48	35.45	22	0.09	
STRD	HE	50.9	IAML			13:48	35.65	14	0.11	
FOEL	HZ	93.1	EP			13:48	35.05			0.29
CWF	HZ	95.1	EP			13:48	35.09			0.06

TABLE 2 : PHASE DATA

CWF	HN	95.1	ES	13:48	46.03			-0.41

August 19 2020 Time: 22:12 08.9 UTC Magnitude: 0.6 ML
Lat: 56.825 Lon: -5.248 Depth: 13.6 km
Grid Ref: 201.83 kmE 775.08 kmN RMS: 0.30 secs
Locality: DUISKY,HIGHLAND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	62.3	EP			22:12	19.74			0.28
KPL	HN	62.3	ES			22:12	27.09			-0.08
KPL	HE	62.3	IAML			22:12	27.72	3	0.28	
KPL	HN	62.3	IAML			22:12	27.81	2	0.19	
LAWE	HZ	63.6	EP			22:12	19.51			-0.17
LAWE	HN	63.6	ES			22:12	27.46			-0.10
LAWE	HN	63.6	IAML			22:12	27.65	2	0.13	
LAWE	HE	63.6	IAML			22:12	28.23	2	0.09	
INVG	HZ	86.1	EP			22:12	23.33			0.14
INVG	HN	86.1	ES			22:12	33.26			-0.36
INVG	HN	86.1	IAML			22:12	35.59	3	0.22	
INVG	HE	86.1	IAML			22:12	36.08	4	0.11	
EAB	HN	90.3	ES			22:12	35.15			0.40
EAB	HE	90.3	IAML			22:12	37.18	5	0.07	
EAB	HN	90.3	IAML			22:12	37.33	4	0.12	
LINV	HN	147.0	ES			22:12	48.33			-0.40

August 20 2020 Time: 01:29 15.5 UTC Magnitude: 0.9 ML
Lat: 56.401 Lon: -5.696 Depth: 2.5 km
Grid Ref: 171.96 kmE 729.31 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
LAWE	HZ	24.1	IP		C	01:29	20.07			-0.04
LAWE	HN	24.1	ES			01:29	23.30			-0.15
LAWE	HN	24.1	IAML			01:29	23.40	30	0.10	
LAWE	HE	24.1	IAML			01:29	23.97	18	0.16	
EAB	HZ	87.4	EP			01:29	30.39			0.08
EAB	HE	87.4	ES			01:29	41.39			0.29
EAB	HN	87.4	IAML			01:29	42.94	8	0.23	
EAB	HE	87.4	IAML			01:29	43.04	4	0.16	
PGB1	HZ	100.0	EP			01:29	32.39			0.14
PGB1	HE	100.0	ES			01:29	44.39			-0.06
PGB1	HE	100.0	IAML			01:29	45.69	7	0.21	
PGB1	HN	100.0	IAML			01:29	47.24	6	0.32	
INVG	HZ	102.0	EP			01:29	32.55			-0.03
INVG	HN	102.0	ES			01:29	44.84			-0.19
INVG	HE	102.0	IAML			01:29	46.34	3	0.06	
INVG	HN	102.0	IAML			01:29	46.72	3	0.09	
KPL	HZ	105.0	EP			01:29	32.81			-0.11
KPL	HE	105.0	ES			01:29	45.66			0.05
KPL	HN	105.0	IAML			01:29	47.47	2	0.19	
KPL	HE	105.0	IAML			01:29	47.92	5	0.14	

August 20 2020 Time: 16:12 19.9 UTC Magnitude: 1.2 ML
Lat: 52.018 Lon: -3.562 Depth: 13.9 km
Grid Ref: 292.82 kmE 236.71 kmN RMS: 0.20 secs
Locality: TIRABAD,POWYS
Velocity model: Mid Wales Xnear: 100.0 Xfar: 200.0
Comment: 7KM SE TIRABAD

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LPW	HZ	36.3	EP			16:12	26.59			0.11
LPW	HE	36.3	ES			16:12	31.12			-0.12
LPW	HE	36.3	IAML			16:12	31.31	39	0.12	
LPW	HN	36.3	IAML			16:12	31.81	17	0.16	
MCH1	HZ	38.8	EP			16:12	26.85			-0.04
MCH1	HN	38.8	ES			16:12	31.88			-0.05
MCH1	HN	38.8	IAML			16:12	31.95	43	0.14	
MCH1	HE	38.8	IAML			16:12	31.97	41	0.10	
MONM	HZ	55.8	EP			16:12	29.67			0.07
MONM	HN	55.8	ES			16:12	36.64			0.03
MONM	HN	55.8	IAML			16:12	36.88	21	0.22	
MONM	HE	55.8	IAML			16:12	37.08	17	0.14	
HLM1	HZ	72.6	EP			16:12	32.09			-0.07
HLM1	HN	72.6	ES			16:12	40.74			-0.26
HLM1	HN	72.6	IAML			16:12	41.32	7	0.17	
HLM1	HE	72.6	IAML			16:12	41.40	12	0.18	
RSBS	HZ	81.6	EP			16:12	33.38			-0.11
RSBS	HN	81.6	ES			16:12	43.28			-0.02
RSBS	HN	81.6	IAML			16:12	43.81	6	0.10	
RSBS	HE	81.6	IAML			16:12	44.55	5	0.09	
FOEL	HZ	100.0	EP			16:12	36.75			0.46

August 21 2020 Time: 06:42 11.4 UTC Magnitude: 0.7 ML
Lat: 56.135 Lon: -4.027 Depth: 6.9 km
Grid Ref: 274.04 kmE 695.43 kmN RMS: 0.10 secs
Locality: GARGUNNOCK,STIRLING
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
EAB	HZ	20.2	IP		C	06:42	15.49			0.02
EAB	HN	20.2	ES			06:42	18.35			-0.07
EAB	HN	20.2	IAML			06:42	19.09	13	0.10	
EAB	HE	20.2	IAML			06:42	19.40	10	0.08	
INVG	HZ	32.6	EP			06:42	17.39			-0.04
INVG	HN	32.6	ES			06:42	21.75			-0.06
INVG	HE	32.6	IAML			06:42	21.80	4	0.22	
INVG	HN	32.6	IAML			06:42	22.64	4	0.21	
PGB1	HZ	45.9	EP			06:42	19.43			-0.06
PGB1	HE	45.9	ES			06:42	25.36			0.00
PGB1	HE	45.9	IAML			06:42	26.12	37	0.22	
PGB1	HN	45.9	IAML			06:42	26.25	30	0.34	
LAWE	HZ	86.3	EP			06:42	25.90			0.16
LAWE	HN	86.3	ES			06:42	36.21			0.04
LAWE	HN	86.3	IAML			06:42	36.88	3	0.16	
LAWE	HE	86.3	IAML			06:42	39.34	4	0.16	
ESK	HZ	105.0	EP			06:42	28.75			0.13
ESK	HN	105.0	IAML			06:42	41.18	2	0.24	
ESK	HE	105.0	IAML			06:42	43.87	2	0.12	
NEWG	HZ	114.0	EP			06:42	30.04			0.01
NEWG	HN	114.0	ES			06:42	43.45			-0.15
NEWG	HE	114.0	IAML			06:42	45.22	2	0.30	
NEWG	HN	114.0	IAML			06:42	45.40	3	0.24	

August 21 2020 Time: 17:41 52.3 UTC Magnitude: 2.6 ML
Lat: 57.183 Lon: -5.766 Depth: 7.9 km
Grid Ref: 172.44 kmE 816.51 kmN RMS: 0.40 secs
Locality: SKYE,HIGHLAND
Velocity model: Lownet Xnear: 120.0 Xfar: 240.0
Comment: FELT SKYE... Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	18.7	IP		D	17:41	56.20			0.16
KPL	HN	18.7	IAML			17:41	56.36	803	0.28	
KPL	HN	18.7	ES			17:41	58.44			-0.33
KPL	HE	18.7	IAML			17:41	59.24	546	0.27	
LAWE	HZ	105.0	EP			17:42	09.73			0.26
LAWE	HE	105.0	ES			17:42	21.50			-0.51
LAWE	HN	105.0	IAML			17:42	24.75	448	0.12	
LAWE	HE	105.0	IAML			17:42	24.90	531	0.14	
INVG	HZ	135.0	EP			17:42	14.15			0.23
INVG	HN	135.0	IAML			17:42	30.73	111	0.34	
INVG	HE	135.0	IAML			17:42	30.78	91	0.16	
EAB	HZ	141.0	EP			17:42	15.34			0.50
EAB	HN	141.0	ES			17:42	31.16			-0.13
EAB	HN	141.0	IAML			17:42	32.76	161	0.32	
EAB	HE	141.0	IAML			17:42	32.83	245	0.24	
MCD	HZ	157.0	EP			17:42	17.23			0.05
MCD	HN	157.0	ES			17:42	35.51			0.17
MCD	HE	157.0	IAML			17:42	36.33	148	0.24	
MCD	HN	157.0	IAML			17:42	36.59	176	0.20	
PGB1	HZ	172.0	EP			17:42	19.55			0.44
PGB1	HN	172.0	ES			17:42	38.01			-0.67
PGB1	HN	172.0	IAML			17:42	40.81	150	0.34	
PGB1	HE	172.0	IAML			17:42	40.93	149	0.36	
DRUM	HZ	201.0	EP			17:42	22.32			-0.46
DRUM	HN	201.0	IAML			17:42	48.35	75	0.18	
DRUM	HE	201.0	IAML			17:42	53.91	38	0.12	
EDI	HN	212.0	IAML			17:42	51.70	69	0.30	
EDI	HE	212.0	IAML			17:42	51.95	60	0.23	
CLGH	HZ	235.0	EP			17:42	27.53			0.55
CLGH	HN	235.0	IAML			17:43	01.07	29	0.17	
CLGH	HE	235.0	IAML			17:43	03.30	31	0.30	
IDGL	HZ	259.0	EP			17:42	29.82			-0.17
IDGL	HN	259.0	IAML			17:43	06.69	24	0.24	
IDGL	HE	259.0	IAML			17:43	06.72	26	0.30	
ESK	HZ	261.0	EP			17:42	30.31			-0.01
ESK	HE	261.0	IAML			17:43	05.41	21	0.38	
ESK	HN	261.0	IAML			17:43	05.50	26	0.38	
GAL1	HZ	266.0	EP			17:42	31.23			0.36
GAL1	HN	266.0	IAML			17:43	10.69	16	0.26	
GAL1	HE	266.0	IAML			17:43	12.57	29	0.42	

August 23 2020 Time: 23:13 34.7 UTC Magnitude: 0.2 ML
Lat: 56.190 Lon: -4.938 Depth: 7.8 km
Grid Ref: 217.71 kmE 703.59 kmN RMS: 0.40 secs
Locality: LOCH GOIL,ARGYLL/BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	29.7	EP			23:13	40.23			0.10
LAWE	HN	29.7	ES			23:13	43.83			-0.29
LAWE	HN	29.7	IAML			23:13	43.96	5	0.11	
LAWE	HE	29.7	IAML			23:13	43.96	4	0.15	
EAB	HZ	37.3	EP			23:13	41.74			0.41
EAB	HN	37.3	ES			23:13	45.63			-0.57
EAB	HE	37.3	IAML			23:13	46.47	2	0.10	
EAB	HN	37.3	IAML			23:13	46.49	3	0.10	
INVG	HZ	61.3	EP			23:13	45.57			0.51
INVG	HN	61.3	ES			23:13	52.49			-0.16
INVG	HN	61.3	IAML			23:13	57.10	2	0.11	
INVG	HE	61.3	IAML			23:13	57.40	1	0.18	

August 24 2020 Time: 05:15 53.0 UTC Magnitude: 0.6 ML
Lat: 55.852 Lon: -5.360 Depth: 14.1 km
Grid Ref: 189.71 kmE 667.19 kmN RMS: 0.30 secs
Locality: TARBERT,ARGYLL & BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	45.5	EP			05:16	01.13			0.08
LAWE	HE	45.5	ES			05:16	06.58			-0.32
LAWE	HN	45.5	IAML			05:16	07.39	2	0.11	
LAWE	HE	45.5	IAML			05:16	07.63	3	0.12	

TABLE 2 : PHASE DATA

PGB1	HZ	55.1	EP	05:16	02.79			0.27
EAB	HZ	74.0	EP	05:16	05.55			0.11
EAB	HN	74.0	ES	05:16	14.24			-0.26
CLGH	HZ	97.9	EP	05:16	09.31			0.31
CLGH	HE	97.9	ES	05:16	20.43			-0.24
CLGH	HE	97.9	IAML	05:16	21.89	4	0.11	
CLGH	HN	97.9	IAML	05:16	22.76	5	0.18	
INVG	HZ	104.0	EP	05:16	10.19			0.32
INVG	HN	104.0	ES	05:16	22.21			0.04
INVG	HN	104.0	IAML	05:16	25.48	3	0.18	
INVG	HE	104.0	IAML	05:16	25.53	2	0.12	
NEWG	HN	109.0	ES	05:16	22.92			-0.35
NEWG	HE	109.0	IAML	05:16	25.47	2	0.19	
NEWG	HN	109.0	IAML	05:16	25.84	2	0.08	

August 26 2020 Time: 22:24 51.8 UTC Magnitude: -0.1 ML
Lat: 50.280 Lon: -5.308 Depth: 7.6 km
Grid Ref: 164.35 kmE 47.53 kmN RMS: 0.00 secs
Locality: PORTREATH,CORNWALL
Velocity model: Cornwall Xnear: 20.0 Xfar: 40.0
Comment: OFFSHORE LOCATION

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
GEL06	CZ	7.7	EP			22:24	53.64			-0.03
GEL06	CE	7.7	ES			22:24	55.15			0.02
GEL09	CZ	8.9	IP		D	22:24	53.77			-0.03
GEL04	CZ	9.6	IP		D	22:24	53.86			-0.04
GEL04	CE	9.6	IAML			22:24	55.63	8	0.08	
GEL04	CN	9.6	IAML			22:24	55.65	13	0.09	
GEL07	CZ	11.6	EP			22:24	54.23			0.04
CCA1	HZ	11.9	IP		D	22:24	54.24			0.00
CCA1	HE	11.9	ES			22:24	56.17			0.02
CCA1	HE	11.9	IAML			22:24	56.34	4	0.09	
CCA1	HN	11.9	IAML			22:24	56.42	4	0.07	
GEL05	CZ	11.9	IP		D	22:24	54.25			0.02
GEL03	CZ	13.1	EP			22:24	54.41			0.01
GEL03	CE	13.1	ES			22:24	56.49			0.06
GEL03	CE	13.1	IAML			22:24	56.59	10	0.08	
GEL03	CN	13.1	IAML			22:24	56.63	10	0.08	
GEL01	CZ	13.8	IP		D	22:24	54.52			0.01
GEL01	CN	13.8	ES			22:24	56.60			-0.02
GEL01	CN	13.8	IAML			22:24	56.74	3	0.20	
GEL01	CE	13.8	IAML			22:24	56.74	2	0.32	
GEL02	CZ	13.8	IP		D	22:24	54.51			0.00
GEL02	CN	13.8	ES			22:24	56.55			-0.07
GEL02	CE	13.8	IAML			22:24	56.75	6	0.08	
GEL02	CN	13.8	IAML			22:24	56.83	3	0.07	

August 28 2020 Time: 10:19 55.6 UTC Magnitude: 1.0 ML
Lat: 56.520 Lon: -5.439 Depth: 4.5 km
Grid Ref: 188.48 kmE 741.72 kmN RMS: 0.30 secs
Locality: BENDERLOCH,ARGYLL/BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT ACHNACROISH Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	29.1	EP			10:20	01.09			0.06
LAWE	HE	29.1	ES			10:20	04.78			-0.22
LAWE	HN	29.1	IAML			10:20	04.93	14	0.12	
LAWE	HE	29.1	IAML			10:20	04.95	21	0.20	
EAB	HZ	77.5	EP			10:20	09.08			0.37
EAB	HN	77.5	ES			10:20	18.41			0.12
EAB	HN	77.5	IAML			10:20	22.33	11	0.30	
EAB	HE	77.5	IAML			10:20	22.61	6	0.21	
INVG	HZ	86.6	EP			10:20	10.38			0.25
INVG	HN	86.6	ES			10:20	20.30			-0.44
INVG	HN	86.6	IAML			10:20	23.94	13	0.26	
INVG	HE	86.6	IAML			10:20	24.37	10	0.07	
KPL	HZ	92.1	EP			10:20	10.79			-0.14
KPL	HE	92.1	IAML			10:20	25.30	5	0.22	
KPL	HN	92.1	IAML			10:20	25.58	4	0.12	

August 30 2020 Time: 18:10 19.9 UTC Magnitude: 1.3 ML
Lat: 51.593 Lon: -3.421 Depth: 2.5 km
Grid Ref: 301.58 kmE 189.25 kmN RMS: 0.30 secs
Locality: TONYREFAIL,RHONDDA CT
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT TONYREFAIL Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MONM	HZ	50.7	EP			18:10	28.91			-0.10
MONM	HN	50.7	ES			18:10	35.96			0.32
MONM	HN	50.7	IAML			18:10	36.62	28	0.30	
MONM	HE	50.7	IAML			18:10	40.43	29	0.44	
MCH1	HZ	53.6	EP			18:10	29.18			-0.30
MCH1	HE	53.6	ES			18:10	36.19			-0.26
MCH1	HN	53.6	IAML			18:10	36.61	27	0.16	
MCH1	HE	53.6	IAML			18:10	37.98	29	0.44	
STRD	HZ	89.4	EP			18:10	35.37			0.34
HTL	HZ	99.7	EP			18:10	36.71			0.10
HTL	HE	99.7	ES			18:10	48.50			-0.27
HTL	HN	99.7	IAML			18:10	51.11	9	0.30	
HTL	HE	99.7	IAML			18:10	51.24	17	0.37	
RSBS	HZ	99.8	EP			18:10	36.45			-0.20
RSBS	HN	99.8	ES			18:10	48.82			-0.03
RSBS	HE	99.8	IAML			18:10	54.83	8	0.15	
RSBS	HN	99.8	IAML			18:10	55.35	7	0.18	
HLM1	HZ	109.0	EP			18:10	38.24			0.06
DYA	HE	134.0	ES			18:10	58.12			0.19
FOEL	HZ	145.0	EP			18:10	44.23			0.67
SBD	BZ	145.0	EP			18:10	43.65			0.20
CWF	HZ	193.0	EP			18:10	50.22			0.25

August 30 2020 Time: 20:14 55.1 UTC Magnitude: 0.6 ML
Lat: 56.088 Lon: -5.307 Depth: 5.6 km
Grid Ref: 194.28 kmE 693.28 kmN RMS: 0.10 secs
Locality: LOCHGAIR,ARGYLL & BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 3KM NE LOCHGAIR

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	20.0	EP			20:14	59.14			0.07
LAWE	HN	20.0	ES			20:15	01.88			-0.06
LAWE	HN	20.0	IAML			20:15	01.98	6	0.07	
LAWE	HE	20.0	IAML			20:15	02.22	10	0.17	
EAB	HZ	61.3	EP			20:15	05.59			-0.10
EAB	HE	61.3	IAML			20:15	15.86	3	0.18	
EAB	HN	61.3	IAML			20:15	16.40	2	0.14	
INVG	HZ	86.9	EP			20:15	09.75			0.09
INVG	HE	86.9	IAML			20:15	21.13	2	0.28	
INVG	HN	86.9	IAML			20:15	21.14	3	0.22	
CLGH	HZ	123.0	EP			20:15	15.20			-0.01
CLGH	HE	123.0	IAML			20:15	30.31	3	0.22	
CLGH	HN	123.0	IAML			20:15	30.96	3	0.20	

August 31 2020 Time: 00:39 50.1 UTC Magnitude: 0.8 ML
Lat: 51.594 Lon: -3.418 Depth: 2.0 km
Grid Ref: 301.79 kmE 189.36 kmN RMS: 0.20 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	50.4	EP			00:39	59.11			-0.16
MONM	HN	50.4	ES			00:40	06.11			0.17
MONM	HN	50.4	IAML			00:40	06.72	7	0.22	
MONM	HE	50.4	IAML			00:40	06.79	6	0.34	
MCH1	HZ	53.4	EP			00:39	59.44			-0.31
MCH1	HE	53.4	ES			00:40	06.49			-0.27
MCH1	HE	53.4	IAML			00:40	06.88	6	0.16	
MCH1	HN	53.4	IAML			00:40	06.89	6	0.14	
OLDB	HZ	60.5	EP			00:40	00.70			-0.11
OLDB	HE	60.5	ES			00:40	08.78			0.17
STRD	HZ	89.1	EP			00:40	05.51			0.22
RSBS	HZ	99.9	EP			00:40	06.81			-0.16
RSBS	HE	99.9	IAML			00:40	24.16	2	0.10	
RSBS	HN	99.9	IAML			00:40	24.45	2	0.09	
HTL	HZ	99.9	EP			00:40	07.18			0.24
HTL	HE	99.9	IAML			00:40	21.32	5	0.38	
HTL	HN	99.9	IAML			00:40	22.39	3	0.48	
HLM1	HZ	109.0	EP			00:40	08.69			0.24
HLM1	HE	109.0	IAML			00:40	26.37	6	0.20	
HLM1	HN	109.0	IAML			00:40	26.39	4	0.18	
DYA	HE	134.0	ES			00:40	28.37			0.03

August 31 2020 Time: 01:16 38.5 UTC Magnitude: 1.7 ML
Lat: 50.206 Lon: -4.128 Depth: 10.9 km
Grid Ref: 248.17 kmE 36.23 kmN RMS: 0.30 secs
Locality: ENGLISH CHANNEL
Velocity model: Lownet Xnear: 200.0 Xfar: 500.0
Comment: 18KM SOUTH PLYMOUTH

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
DYA	HZ	29.1	IP		C	01:16	43.76			-0.20
DYA	HE	29.1	ES			01:16	47.51			-0.44
DYA	HE	29.1	IAML			01:16	47.69	244	0.08	
DYA	HN	29.1	IAML			01:16	47.91	206	0.17	
SBD	BZ	56.4	EP			01:16	48.21			0.07
SBD	BN	56.4	ES			01:16	55.81			0.63
SBD	BN	56.4	IAML			01:16	56.52	54	0.11	
SBD	BE	56.4	IAML			01:16	57.23	27	0.11	
GEL03	CZ	72.5	EP			01:16	50.76			0.15
GEL03	CN	72.5	ES			01:16	59.15			-0.29
GEL03	CE	72.5	IAML			01:17	00.43	68	0.14	
GEL03	CN	72.5	IAML			01:17	02.41	73	0.11	
GEL02	CZ	73.5	EP			01:16	50.96			0.19
GEL07	CZ	74.2	EP			01:16	51.10			0.23
GEL07	CN	74.2	ES			01:16	59.73			-0.18
GEL07	CN	74.2	IAML			01:17	00.79	18	0.21	
GEL07	CE	74.2	IAML			01:17	02.64	14	0.12	
GEL01	CZ	75.1	EP			01:16	51.14			0.12
GEL04	CZ	75.4	EP			01:16	51.27			0.20
GEL04	CN	75.4	ES			01:16	59.79			-0.45
GEL09	CZ	76.6	EP			01:16	51.45			0.20
CCA1	HZ	78.6	EP			01:16	51.48			-0.10
CCA1	HN	78.6	ES			01:17	00.58			-0.54
CCA1	HE	78.6	IAML			01:17	03.86	20	0.10	
CCA1	HN	78.6	IAML			01:17	04.02	26	0.08	
GEL05	CZ	78.6	EP			01:16	51.72			0.14
HTL	HZ	91.3	EP			01:16	54.10			0.58
HTL	HE	91.3	IAML			01:17	07.07	29	0.38	
HTL	HN	91.3	IAML			01:17	08.65	34	0.28	
JSA	HZ	181.0	EP			01:17	06.52			0.39
JSA	HN	181.0	IAML			01:17	28.68	6	0.18	
JSA	HE	181.0	IAML			01:17	29.62	7	0.14	

TABLE 2 : PHASE DATA

MONM	HZ	204.0	EP		01:17	08.79			-0.26
MONM	HN	204.0	IAML		01:17	37.34	6	0.22	
MONM	HE	204.0	IAML		01:17	38.19	6	0.28	
MCH1	HZ	214.0	EP		01:17	10.00			-0.36
MCH1	HN	214.0	IAML		01:17	40.38	6	0.28	
MCH1	HE	214.0	IAML		01:17	41.26	7	0.30	
ROSF	BZ	217.0	EP		01:17	10.56			-0.13

August 31 2020 Time: 12:40 38.1 UTC Magnitude: 0.5 ML
Lat: 55.095 Lon: -4.175 Depth: 9.4 km
Grid Ref: 261.22 kmE 580.01 kmN RMS: 0.30 secs
Locality: DALRY,D & G
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
NEWG	HZ	4.3	EP			12:40	40.25			0.15
NEWG	HN	4.3	ES			12:40	41.64			0.10
NEWG	HN	4.3	IAML			12:40	41.70	28	0.10	
NEWG	HE	4.3	IAML			12:40	41.73	25	0.10	
GAL1	HZ	42.7	EP			12:40	45.48			-0.15
GAL1	HE	42.7	ES			12:40	50.55			-0.56
GAL1	HN	42.7	IAML			12:40	51.00	8	0.12	
GAL1	HE	42.7	IAML			12:40	51.08	5	0.14	
ESK	HZ	66.5	EP			12:40	49.08			-0.26
ESK	HE	66.5	ES			12:40	57.07			-0.44
ESK	HN	66.5	IAML			12:40	58.16	2	0.17	
ESK	HE	66.5	IAML			12:40	58.18	2	0.18	
PGB1	HE	82.1	ES			12:41	01.72			0.05
PGB1	HE	82.1	IAML			12:41	01.85	9	0.12	
PGB1	HN	82.1	IAML			12:41	02.29	7	0.23	
KESW	HZ	88.9	EP			12:40	53.28			0.46
IOMK	HZ	96.3	EP			12:40	54.24			0.30
IOMK	HN	96.3	ES			12:41	05.61			0.13
IOMK	HE	96.3	IAML			12:41	06.86	1	0.07	
IOMK	HN	96.3	IAML			12:41	07.57	1	0.10	
EAB	HN	122.0	ES			12:41	12.66			0.38
EAB	HN	122.0	IAML			12:41	13.22	2	0.14	
EAB	HE	122.0	IAML			12:41	13.50	1	0.08	

September 1 2020 Time: 08:46 06.4 UTC Magnitude: 0.6 ML
Lat: 55.916 Lon: -4.834 Depth: 15.6 km
Grid Ref: 222.91 kmE 672.84 kmN RMS: 0.20 secs
Locality: INVERKIP,INVERCLYDE
Velocity model: Lownet Xnear: 75.0 Xfar: 150.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
PGB1	HZ	24.8	EP			08:46	11.61			0.13
PGB1	HN	24.8	ES			08:46	15.05			-0.13
PGB1	HN	24.8	IAML			08:46	15.16	29	0.10	
PGB1	HE	24.8	IAML			08:46	15.26	12	0.11	
EAB	HZ	43.3	EP			08:46	14.31			0.11
EAB	HE	43.3	ES			08:46	19.93			0.06
EAB	HN	43.3	IAML			08:46	20.66	7	0.19	
EAB	HE	43.3	IAML			08:46	20.68	7	0.11	
LAWE	HZ	52.0	EP			08:46	15.77			0.30
LAWE	HN	52.0	ES			08:46	21.81			-0.27
LAWE	HN	52.0	IAML			08:46	22.73	5	0.13	
LAWE	HE	52.0	IAML			08:46	22.76	8	0.09	
INVG	HZ	75.2	EP			08:46	19.07			0.02
INVG	HE	75.2	ES			08:46	28.13			-0.14
INVG	HE	75.2	IAML			08:46	29.39	2	0.17	
INVG	HN	75.2	IAML			08:46	31.90	2	0.10	
NEWG	HE	96.8	ES			08:46	33.43			-0.16
NEWG	HE	96.8	IAML			08:46	35.18	2	0.13	
NEWG	HN	96.8	IAML			08:46	35.92	2	0.19	
GAL1	HE	117.0	ES			08:46	38.65			0.04

September 2 2020 Time: 15:29 02.3 UTC Magnitude: 1.3 ML
Lat: 56.291 Lon: -3.753 Depth: 8.3 km
Grid Ref: 291.51 kmE 712.32 kmN RMS: 0.30 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 75.0 Xfar: 150.0
Comment: FELT BLACKFORD Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	23.6	EP			15:29	06.87			0.02
INVG	HN	23.6	ES			15:29	10.39			0.21
EAB	HZ	38.0	IP		C	15:29	08.97			-0.11
EAB	HN	38.0	ES			15:29	13.76			-0.27
EAB	HN	38.0	IAML			15:29	16.75	22	0.50	
EAB	HE	38.0	IAML			15:29	16.78	16	0.38	
PGB1	HZ	70.1	EP			15:29	13.74			-0.31
LAWE	HZ	102.0	EP			15:29	19.24			0.25
LAWE	HN	102.0	ES			15:29	31.73			0.57
LAWE	HE	102.0	IAML			15:29	34.17	17	0.20	
LAWE	HN	102.0	IAML			15:29	34.36	19	0.14	
DRUM	HZ	104.0	EP			15:29	19.28			-0.05
DRUM	HN	104.0	ES			15:29	31.52			-0.24
DRUM	HE	104.0	IAML			15:29	33.57	23	0.26	
DRUM	HN	104.0	IAML			15:29	36.89	19	0.20	
ESK	HZ	114.0	EP			15:29	21.41			0.58
ESK	HE	114.0	ES			15:29	34.74			0.39
ESK	HE	114.0	IAML			15:29	36.94	5	0.15	
ESK	HN	114.0	IAML			15:29	37.77	5	0.27	
NEWG	HZ	134.0	EP			15:29	24.27			0.50

September 3 2020 Time: 01:04 03.0 UTC Magnitude: 0.4 ML
Lat: 56.269 Lon: -3.740 Depth: 2.7 km
Grid Ref: 292.25 kmE 709.85 kmN RMS: 0.10 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	25.7	EP			01:04	07.99			0.11
INVG	HN	25.7	ES			01:04	11.38			-0.06
INVG	HE	25.7	IAML			01:04	11.54	2	0.07	
INVG	HN	25.7	IAML			01:04	11.55	2	0.10	
EAB	HZ	38.1	EP			01:04	10.07			0.09
EAB	HN	38.1	ES			01:04	14.89			-0.18
EAB	HE	38.1	IAML			01:04	17.48	2	0.13	
EAB	HN	38.1	IAML			01:04	18.19	3	0.08	
EDI	HE	51.6	ES			01:04	18.93			0.00
PGB1	HZ	68.9	EP			01:04	14.85			-0.05
LAWE	HZ	103.0	EP			01:04	20.34			0.20
LAWE	HN	103.0	IAML			01:04	35.47	2	0.18	
LAWE	HE	103.0	IAML			01:04	37.03	2	0.24	
DRUM	HZ	105.0	EP			01:04	20.53			0.00
DRUM	HN	105.0	ES			01:04	33.23			-0.09
DRUM	HE	105.0	IAML			01:04	34.83	6	0.27	
DRUM	HN	105.0	IAML			01:04	34.91	4	0.19	

September 4 2020 Time: 04:38 07.7 UTC Magnitude: 1.0 ML
Lat: 51.416 Lon: -2.587 Depth: 5.7 km
Grid Ref: 359.18 kmE 168.77 kmN RMS: 0.30 secs
Locality: BRISTOL,CITY OF BRISTOL
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
OLDB	HZ	27.3	EP			04:38	12.71			-0.10
OLDB	HE	27.3	ES			04:38	16.90			0.34
OLDB	HE	27.3	IAML			04:38	17.09	74	0.17	
OLDB	HN	27.3	IAML			04:38	17.41	89	0.20	
MONM	HZ	49.4	EP			04:38	16.25			-0.09
MONM	HN	49.4	ES			04:38	22.81			0.15
MONM	HN	49.4	IAML			04:38	23.10	9	0.28	
MONM	HE	49.4	IAML			04:38	23.11	12	0.19	
STRD	HZ	49.7	EP			04:38	16.03			-0.35
SWN1	HZ	55.7	EP			04:38	17.12			-0.19
SWN1	HE	55.7	ES			04:38	24.70			0.35
SWN1	HN	55.7	IAML			04:38	25.01	19	0.20	
SWN1	HE	55.7	IAML			04:38	25.13	13	0.33	
MCH1	HZ	70.7	EP			04:38	19.50			-0.14
MCH1	HN	70.7	ES			04:38	28.23			-0.15
MCH1	HN	70.7	IAML			04:38	28.49	4	0.14	
MCH1	HE	70.7	IAML			04:38	28.59	4	0.20	
HLM1	HZ	124.0	EP			04:38	28.11			0.11
HLM1	HE	124.0	ES			04:38	42.30			-0.54
HLM1	HE	124.0	IAML			04:38	43.19	2	0.22	
HLM1	HN	124.0	IAML			04:38	45.23	3	0.10	
LPW	HZ	128.0	EP			04:38	28.94			0.39
LPW	HE	128.0	ES			04:38	44.22			0.44
LPW	HE	128.0	IAML			04:38	44.75	2	0.10	
LPW	HN	128.0	IAML			04:38	46.71	1	0.10	

September 6 2020 Time: 02:55 11.0 UTC Magnitude: 0.8 ML
Lat: 56.526 Lon: -5.348 Depth: 9.5 km
Grid Ref: 194.10 kmE 742.12 kmN RMS: 0.20 secs
Locality: BARCALDINE,ARGYLL/BUTE
Velocity model: Lownet Xnear: 50.0 Xfar: 100.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	29.8	EP			02:55	16.55			0.02
LAWE	HE	29.8	ES			02:55	20.51			-0.04
LAWE	HE	29.8	IAML			02:55	20.68	25	0.22	
LAWE	HN	29.8	IAML			02:55	20.86	14	0.12	
EAB	HZ	72.9	EP			02:55	23.39			0.17
EAB	HN	72.9	ES			02:55	32.00			-0.13
EAB	HN	72.9	IAML			02:55	35.00	6	0.20	
EAB	HE	72.9	IAML			02:55	35.22	4	0.08	
INVG	HZ	81.1	EP			02:55	24.45			-0.04
INVG	HN	81.1	ES			02:55	34.33			0.00
INVG	HE	81.1	IAML			02:55	36.68	8	0.10	
INVG	HN	81.1	IAML			02:55	36.75	5	0.12	
KPL	HZ	92.4	EP			02:55	26.52			0.33
KPL	HE	92.4	ES			02:55	37.07			-0.19
KPL	HN	92.4	IAML			02:55	40.63	1	0.18	
KPL	HE	92.4	IAML			02:55	40.74	2	0.32	
PGB1	HZ	96.0	EP			02:55	27.50			0.71
PGB1	HE	96.0	ES			02:55	39.01			0.71
PGB1	HN	96.0	IAML			02:55	40.61	8	0.43	
PGB1	HE	96.0	IAML			02:55	40.87	7	0.41	

September 6 2020 Time: 10:44 11.8 UTC Magnitude: 1.4 ML
Lat: 51.593 Lon: -3.412 Depth: 2.2 km
Grid Ref: 302.20 kmE 189.24 kmN RMS: 0.20 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	50.1	EP			10:44	20.69			-0.15
MONM	HN	50.1	ES			10:44	27.78			0.34
MONM	HN	50.1	IAML			10:44	28.34	25	0.26	
MONM	HE	50.1	IAML			10:44	28.59	17	0.33	
MCH1	HZ	53.3	EP			10:44	21.04			-0.30

TABLE 2 : PHASE DATA

MCH1	HE	53.3	ES	10:44	28.10			-0.21
MCH1	HN	53.3	IAML	10:44	28.51	16	0.14	
MCH1	HE	53.3	IAML	10:44	28.59	18	0.20	
OLDB	HZ	60.1	EP	10:44	22.30			-0.06
OLDB	HE	60.1	ES	10:44	30.46			0.38
STRD	HZ	88.8	EP	10:44	27.03			0.19
RSBS	HZ	100.0	EP	10:44	28.37			-0.27
HTL	HZ	100.0	EP	10:44	28.62			0.04
HLM1	HZ	109.0	EP	10:44	29.97			-0.08
HLM1	HE	109.0	IAML	10:44	47.98	21	0.20	
HLM1	HN	109.0	IAML	10:44	48.00	13	0.20	
DYA	HZ	134.0	EP	10:44	34.04			0.21
DYA	HE	134.0	IAML	10:44	52.01	9	0.28	
DYA	HN	134.0	IAML	10:44	52.37	8	0.26	
CWF	HZ	192.0	EP	10:44	42.19			0.37
CWF	HN	192.0	IAML	10:45	05.99	4	0.16	
CWF	HE	192.0	IAML	10:45	07.80	5	0.34	

September 8 2020 Time: 08:45 28.9 UTC Magnitude: 3.5 ML
Lat: 51.926 Lon: -0.737 Depth: 10.0 km
Grid Ref: 486.84 kmE 226.08 kmN RMS: 0.70 secs
Locality: LEIGHTON BUZZARD,BEDS
Velocity model: Lownet Xnear: 100.0 Xfar: 140.0
Comment: FELT LEIGHTON... Intensity: 6

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
R0AEF	EZ	46.6	EP	9		08:45	35.87			-1.15
BUW	HZ	66.6	IP		C	08:45	39.25			-0.87
BUW	HN	66.6	ES			08:45	47.70			-0.61
BUW	HE	66.6	IAML			08:45	51.81	4391	0.32	
BUW	HN	66.6	IAML			08:45	54.76	4096	0.48	
WOL	BZ	76.1	IP		C	08:45	40.71			-0.87
WOL	BE	76.1	ES			08:45	50.32			-0.51
WOL	BN	76.1	IAML			08:45	56.07	1106	0.33	
WOL	BE	76.1	IAML			08:45	56.31	1171	0.49	
SWN1	HZ	86.6	IP		C	08:45	43.21			-0.02
SWN1	HE	86.6	ES			08:45	54.86			1.18
SWN1	HN	86.6	IAML			08:46	00.75	1196	0.53	
SWN1	HE	86.6	IAML			08:46	02.72	1131	0.69	
BRDL	HZ	88.4	EP			08:45	43.06			-0.42
BRDL	HN	88.4	ES			08:45	55.11			1.00
BRDL	HE	88.4	IAML			08:45	59.70	1468	0.25	
BRDL	HN	88.4	IAML			08:46	00.12	1638	0.26	
HORS	HZ	91.1	EP			08:45	43.96			0.06
HORS	HN	91.1	ES			08:45	55.63			0.78
HORS	HE	91.1	IAML			08:45	59.77	824	0.27	
HORS	HN	91.1	IAML			08:46	03.06	1106	0.51	
CWF	HZ	98.4	IP		D	08:45	45.13			0.07
CWF	HE	98.4	IAML			08:45	59.33	1093	0.33	
CWF	HN	98.4	IAML			08:46	00.06	740	0.22	
STRD	HZ	99.6	IP		C	08:45	45.35			0.10
STRD	HN	99.6	ES			08:45	57.86			0.69
STRD	HN	99.6	IAML			08:46	02.81	886	0.37	
STRD	HE	99.6	IAML			08:46	05.02	1084	0.33	
BRAD	CZ	115.0	EP			08:45	47.05			-0.49
BRAD	CN	115.0	ES			08:46	00.15			-0.99
BRAD	CN	115.0	IAML			08:46	02.07	1599	0.25	
BRAD	CE	115.0	IAML			08:46	02.53	1652	0.20	
ELMS	HZ	120.0	IP		C	08:45	48.08			-0.18
ELMS	HN	120.0	IAML			08:46	03.58	3524	0.44	
ELMS	HE	120.0	IAML			08:46	04.07	2829	0.22	
WACR	HZ	129.0	EP			08:45	49.87			0.37
WACR	HN	129.0	IAML			08:46	06.50	2442	0.16	
WACR	HE	129.0	IAML			08:46	08.56	1542	0.14	
OLDB	HZ	129.0	EP			08:45	49.70			0.23
HMNX	HZ	139.0	EP			08:45	51.35			0.31
HMNX	HE	139.0	IAML			08:46	10.40	1535	0.26	
HMNX	HN	139.0	IAML			08:46	18.62	1286	0.40	
MONM	HZ	143.0	EP			08:45	51.91			0.39
MONM	HN	143.0	IAML			08:46	11.24	2326	0.34	
MONM	HE	143.0	IAML			08:46	11.40	1844	0.36	
ELSH	HN	156.0	IAML			08:46	15.89	869	0.22	
ELSH	HE	156.0	IAML			08:46	16.14	1132	0.20	
MCH1	HN	156.0	IAML			08:46	14.28	948	0.28	
MCH1	HE	156.0	IAML			08:46	14.82	1096	0.54	
ELSH	HZ	156.0	EP			08:45	53.98			0.55
MCH1	HZ	156.0	EP			08:45	53.90			0.51
MCH1	HE	156.0	ES			08:46	12.13			0.88
HLM1	HZ	161.0	EP			08:45	54.52			0.38
HLM1	HN	161.0	ES			08:46	13.53			0.97
HLM1	HN	161.0	IAML			08:46	15.70	1020	0.40	
HLM1	HE	161.0	IAML			08:46	15.72	2141	0.28	
STNC	HZ	164.0	EP			08:45	55.46			0.96
STNC	HE	164.0	IAML			08:46	16.26	1195	0.34	
STNC	HN	164.0	IAML			08:46	19.88	841	0.30	
DOV	HZ	168.0	EP			08:45	55.88			0.82
DOV	HE	168.0	ES			08:46	15.09			0.94
DOV	HE	168.0	IAML			08:46	16.58	753	0.26	
DOV	HN	168.0	IAML			08:46	20.29	648	0.26	
LMK	HZ	173.0	EP			08:45	56.82			1.21
FOEL	HZ	199.0	EP			08:46	00.12			1.15
FOEL	HE	199.0	IAML			08:46	25.36	476	0.34	
FOEL	HN	199.0	IAML			08:46	25.94	590	0.36	
AS02	HZ	200.0	EP			08:45	59.60			0.56
AS02	HN	200.0	IAML			08:46	26.96	414	0.38	
AS02	HE	200.0	IAML			08:46	27.04	516	0.36	
AR01	HZ	225.0	EP			08:46	03.27			1.03
AR01	HN	225.0	IAML			08:46	36.80	366	0.32	
AR01	HE	225.0	IAML			08:46	40.62	212	0.20	
AQ02	HZ	244.0	EP			08:46	05.92			1.36
AU11	HZ	253.0	EP			08:46	06.46			0.81
AU15	HZ	256.0	EP			08:46	06.85			0.78
AR07	HZ	258.0	EP			08:46	06.90			0.63
AS07	HZ	271.0	EP			08:46	08.03			0.04
AS07	HN	271.0	IAML			08:46	53.19	324	0.26	
AS07	HE	271.0	IAML			08:46	53.41	442	0.38	
GDLE	EZ	278.0	EP			08:46	09.20			0.42
GDLE	EE	278.0	ES			08:46	40.02			2.14
GDLE	EN	278.0	IAML			08:46	54.95	1054	0.30	
GDLE	EE	278.0	IAML			08:47	00.08	745	0.34	
DYA	HZ	278.0	EP			08:46	08.57			-0.26
DYA	HE	278.0	IAML			08:46	49.67	183	0.30	
DYA	HN	278.0	IAML			08:46	54.13	244	0.42	
HTL	HZ	280.0	EP			08:46	08.96			-0.10
HTL	HE	280.0	IAML			08:46	51.55	161	0.40	
HTL	HN	280.0	IAML			08:46	55.90	274	0.56	
WLF1	HZ	291.0	EP			08:46	10.93			0.59
WLF1	HE	291.0	IAML			08:46	50.22	141	0.34	
WLF1	HN	291.0	IAML			08:46	52.03	211	0.34	
AQ12	HZ	310.0	EP			08:46	12.93			0.07
AQ12	HE	310.0	IAML			08:46	57.56	74	0.48	
AQ12	HN	310.0	IAML			08:47	01.84	67	0.58	
SBD	BZ	314.0	EP			08:46	12.75			-0.61
SBD	BE	314.0	IAML			08:47	02.55	114	0.62	
SBD	BN	314.0	IAML			08:47	03.55	164	0.35	
AP12	HZ	315.0	EP			08:46	13.68			0.29
AP12	HE	315.0	IAML			08:47	01.45	83	0.34	
AP12	HN	315.0	IAML			08:47	05.73	84	0.40	
EDMD	HZ	333.0	EP			08:46	15.89			0.21
EDMD	HE	333.0	IAML			08:47	07.45	386	0.28	
EDMD	HN	333.0	IAML			08:47	09.90	261	0.32	
KESW	HZ	336.0	EP			08:46	16.12			0.08
KESW	HE	336.0	IAML			08:47	06.81	112	0.42	
KESW	HN	336.0	IAML			08:47	13.03	105	0.72	
IOMK	HZ	365.0	EP			08:46	19.71			0.04
IOMK	HN	365.0	IAML			08:47	12.15	18	0.42	
IOMK	HE	365.0	IAML			08:47	16.28	22	0.52	
CCA1	HZ	369.0	EP			08:46	19.36			-0.87
CCA1	HE	369.0	IAML			08:47	16.38	63	0.38	
CCA1	HN	369.0	IAML			08:47	21.54	72	0.50	
ESK	EZ	411.0	EP			08:46	25.05			-0.29
ESK	EN	411.0	ES			08:47	06.99			0.39
ESK	EE	411.0	IAML			08:47	30.23	411	0.56	
ESK	EN	411.0	IAML			08:47	40.43	251	0.42	
GAL1	HZ	421.0	EP			08:46	26.14			-0.46
DOU	HZ	426.0	EP			08:46	27.92			0.65
ILTH	HZ	443.0	EP			08:46	29.21			-0.18
CLGH	HZ	500.0	EP			08:46	35.74			-0.90
CLGH	HE	500.0	IAML			08:47	28.71	16	0.28	
CLGH	HN	500.0	IAML			08:47	29.17	22	0.30	
DRUM	HZ	567.0	EP			08:46	44.42			-0.50

September 10 2020 Time: 08:21 51.4 UTC Magnitude: 0.8 ML
Lat: 55.289 Lon: -3.516 Depth: 7.7 km
Grid Ref: 303.74 kmE 600.48 kmN RMS: 0.20 secs
Locality: BEATTOCK,D & G
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ESK	HZ	20.0	IP		C	08:21	55.60			0.23
ESK	HN	20.0	ES			08:21	58.10			-0.18
ESK	HE	20.0	IAML			08:21	58.23	24	0.10	
ESK	HN	20.0	IAML			08:21	59.22	19	0.20	
EKA	BZ	23.2	IP		C	08:21	56.08			0.19
EKA	BZ	23.2	ES			08:21	58.96			-0.22
NEWG	HZ	49.3	EP			08:21	59.97			0.07
NEWG	HN	49.3	ES			08:22	05.67			-0.44
NEWG	HN	49.3	IAML			08:22	06.30	7	0.24	
NEWG	HE	49.3	IAML			08:22	10.20	3	0.19	
KESW	HZ	82.3	EP			08:22	04.97			-0.06
GAL1	HZ	89.7	EP			08:22	06.36			0.21
GAL1	HN	89.7	ES			08:22	17.03			0.11
GAL1	HN	89.7	IAML			08:22	19.58	6	0.11	
GAL1	HE	89.7	IAML			08:22	19.69	4	0.12	
AQ12	HZ	107.0	EP			08:22	08.94			0.09
AQ12	HE	107.0	IAML			08:22	21.62	11	0.10	
AQ12	HN	107.0	IAML			08:22	22.21	9	0.08	
IOMK	HN	133.0	ES			08:22	28.38			0.04
IOMK	HN	133.0	IAML			08:22	29.73	2	0.13	
IOMK	HE	133.0	IAML			08:22	30.08	1	0.08	
AR09	HZ	137.0	EP			08:22	13.51			0.11
AR09	HN	137.0	ES			08:22	29.34			-0.13

September 12 2020 Time: 23:14 01.7 UTC Magnitude: 0.8 ML
Lat: 51.591 Lon: -3.429 Depth: 2.2 km
Grid Ref: 301.02 kmE 189.04 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	50.2	EP			23:14	10.48			-0.32

TABLE 2 : PHASE DATA

MONM	HN	50.2	ES		23:14	17.61			0.20
MONM	HN	50.2	IAML		23:14	19.03	7	0.30	
MONM	HE	50.2	IAML		23:14	22.08	9	0.50	
MCH1	HZ	52.5	EP		23:14	10.74			-0.42
MCH1	HE	52.5	ES		23:14	17.84			-0.20
MCH1	HN	52.5	IAML		23:14	18.24	5	0.17	
MCH1	HE	52.5	IAML		23:14	18.30	5	0.14	
STRD	HZ	89.5	EP		23:14	17.08			0.18
HTL	HZ	100.0	EP		23:14	18.54			-0.03
HLM1	HZ	108.0	EP		23:14	20.50			0.69
HLM1	HE	108.0	IAML		23:14	37.80	6	0.20	
HLM1	HN	108.0	IAML		23:14	37.82	4	0.25	
CWF	HZ	192.0	EP		23:14	31.93			0.19

September 13 2020 Time: 08:09 31.0 UTC Magnitude: 1.2 ML
Lat: 56.503 Lon: -3.907 Depth: 6.2 km
Grid Ref: 282.63 kmE 736.16 kmN RMS: 0.20 secs
Locality: AUCHNACLOICH,P & K
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	11.9	EP			08:09	33.71			0.04
INVG	HE	11.9	ES			08:09	35.52			-0.09
INVG	HE	11.9	IAML			08:09	35.75	77	0.13	
INVG	HN	11.9	IAML			08:09	35.75	61	0.17	
EAB	HZ	44.0	EP			08:09	39.09			0.27
EAB	HN	44.0	IAML			08:09	45.13	14	0.11	
EAB	HE	44.0	IAML			08:09	45.30	9	0.15	
EDI	HZ	78.5	EP			08:09	44.15			0.01
EDI	HN	78.5	IAML			08:09	54.39	9	0.12	
EDI	HE	78.5	IAML			08:09	54.52	11	0.12	
LAWE	HZ	96.1	EP			08:09	46.99			0.12
LAWE	HN	96.1	ES			08:09	58.14			-0.30
LAWE	HE	96.1	IAML			08:10	01.90	12	0.10	
LAWE	HN	96.1	IAML			08:10	03.26	17	0.16	
DRUM	HZ	98.2	EP			08:09	46.93			-0.28
DRUM	HE	98.2	IAML			08:10	01.95	12	0.34	
DRUM	HN	98.2	IAML			08:10	02.90	22	0.10	
MCD	HZ	127.0	EP			08:09	51.80			0.18
MCD	HE	127.0	IAML			08:10	09.39	7	0.31	
MCD	HN	127.0	IAML			08:10	10.75	6	0.25	
KPL	HZ	141.0	EP			08:09	54.05			0.38
KPL	HE	141.0	IAML			08:10	11.82	8	0.26	
KPL	HN	141.0	IAML			08:10	12.05	9	0.30	

September 13 2020 Time: 10:58 39.5 UTC Magnitude: 0.6 ML
Lat: 56.181 Lon: -4.946 Depth: 7.9 km
Grid Ref: 217.17 kmE 702.61 kmN RMS: 0.20 secs
Locality: LOCH GOIL,ARGYLL/BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	29.5	IP		C	10:58	45.12			0.17
LAWE	HN	29.5	ES			10:58	48.71			-0.21
LAWE	HN	29.5	IAML			10:58	48.85	11	0.13	
LAWE	HE	29.5	IAML			10:58	49.06	10	0.13	
EAB	HZ	37.8	IP		C	10:58	46.65			0.38
EAB	HE	37.8	ES			10:58	51.13			-0.07
EAB	HE	37.8	IAML			10:58	51.46	7	0.08	
EAB	HN	37.8	IAML			10:58	51.71	8	0.10	
PGB1	HN	50.2	ES			10:58	54.33			-0.18
INVG	HZ	62.2	EP			10:58	50.30			0.25
INVG	HN	62.2	ES			10:58	57.41			-0.34
INVG	HN	62.2	IAML			10:59	02.10	4	0.17	
INVG	HE	62.2	IAML			10:59	02.33	3	0.19	

September 13 2020 Time: 12:58 51.4 UTC Magnitude: 0.5 ML
Lat: 56.183 Lon: -4.944 Depth: 7.7 km
Grid Ref: 217.31 kmE 702.82 kmN RMS: 0.30 secs
Locality: LOCH GOIL,ARGYLL/BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	29.5	IP		C	12:58	56.94			0.13
LAWE	HN	29.5	ES			12:59	00.54			-0.24
LAWE	HN	29.5	IAML			12:59	00.62	8	0.12	
LAWE	HE	29.5	IAML			12:59	00.68	8	0.30	
EAB	HZ	37.7	IP		C	12:58	58.47			0.36
EAB	HE	37.7	ES			12:59	02.96			-0.06
EAB	HE	37.7	IAML			12:59	03.27	6	0.09	
EAB	HN	37.7	IAML			12:59	03.32	6	0.09	
PGB1	HN	50.3	ES			12:59	06.22			-0.17
INVG	HZ	62.0	EP			12:59	02.25			0.37
INVG	HN	62.0	ES			12:59	09.17			-0.38
INVG	HN	62.0	IAML			12:59	13.85	4	0.18	
INVG	HE	62.0	IAML			12:59	14.15	3	0.12	

September 13 2020 Time: 14:34 19.6 UTC Magnitude: 1.2 ML
Lat: 56.283 Lon: -3.746 Depth: 7.9 km
Grid Ref: 291.92 kmE 711.42 kmN RMS: 0.10 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 50.0 Xfar: 100.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	24.4	IP		C	14:34	24.34			0.09
INVG	HN	24.4	ES			14:34	27.55			-0.11
INVG	HN	24.4	IAML			14:34	27.98	13	0.08	
INVG	HE	24.4	IAML			14:34	27.99	14	0.09	
EAB	HZ	38.1	IP		C	14:34	26.46			0.08
EAB	HN	38.1	ES			14:34	31.30			-0.05
EAB	HE	38.1	IAML			14:34	34.42	14	0.18	
EAB	HN	38.1	IAML			14:34	34.49	24	0.44	
EDI	HZ	53.1	EP			14:34	28.71			0.05
EDI	HN	53.1	ES			14:34	35.25			-0.05
EDI	HN	53.1	IAML			14:34	35.45	10	0.17	
EDI	HE	53.1	IAML			14:34	35.67	9	0.12	
PGB1	HZ	69.8	EP			14:34	31.24			-0.03
LAWE	HZ	102.0	EP			14:34	36.62			0.30
LAWE	HE	102.0	IAML			14:34	51.72	14	0.22	
LAWE	HN	102.0	IAML			14:34	51.87	17	0.15	
DRUM	HZ	104.0	EP			14:34	36.80			0.16
DRUM	HN	104.0	ES			14:34	49.34			0.24
DRUM	HE	104.0	IAML			14:34	51.10	36	0.22	
DRUM	HN	104.0	IAML			14:34	51.29	21	0.24	

September 13 2020 Time: 14:38 06.7 UTC Magnitude: 1.1 ML
Lat: 56.291 Lon: -3.733 Depth: 6.5 km
Grid Ref: 292.75 kmE 712.29 kmN RMS: 0.20 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	24.5	IP		C	14:38	11.45			-0.02
INVG	HN	24.5	ES			14:38	14.74			-0.18
INVG	HN	24.5	IAML			14:38	15.10	9	0.07	
INVG	HE	24.5	IAML			14:38	15.12	9	0.07	
EAB	HZ	39.2	IP		C	14:38	13.57			-0.21
EAB	HE	39.2	ES			14:38	18.72			-0.21
EAB	HE	39.2	IAML			14:38	20.35	11	0.18	
EAB	HN	39.2	IAML			14:38	21.63	20	0.40	
EDI	HZ	53.2	EP			14:38	15.86			-0.06
EDI	HN	53.2	ES			14:38	22.41			-0.21
EDI	HN	53.2	IAML			14:38	22.56	8	0.15	
EDI	HE	53.2	IAML			14:38	24.42	11	0.32	
PGB1	HZ	71.0	EP			14:38	19.15			0.45
LAWE	HZ	103.0	EP			14:38	24.03			0.34
DRUM	HZ	103.0	EP			14:38	23.87			0.18
DRUM	HN	103.0	ES			14:38	36.03			-0.04
DRUM	HN	103.0	IAML			14:38	38.42	17	0.26	
LAWE	HE	103.0	IAML			14:38	38.86	9	0.22	
DRUM	HE	103.0	IAML			14:38	38.23	26	0.24	
LAWE	HN	103.0	IAML			14:38	38.55	10	0.13	

September 13 2020 Time: 23:20 52.6 UTC Magnitude: 2.1 ML
Lat: 51.911 Lon: -0.709 Depth: 10.0 km
Grid Ref: 488.79 kmE 224.44 kmN RMS: 0.70 secs
Locality: LEIGHTON BUZZARD,BEDS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT LEIGHTON... Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
BUW	HZ	66.2	EP			23:21	02.66			-1.06
BUW	HN	66.2	ES			23:21	11.13			-0.73
BUW	HE	66.2	IAML			23:21	13.76	145	0.43	
BUW	HN	66.2	IAML			23:21	14.62	113	0.31	
WOL	BZ	75.5	EP			23:21	04.17			-0.98
WOL	BN	75.5	ES			23:21	13.94			-0.39
WOL	BN	75.5	IAML			23:21	19.46	36	0.31	
WOL	BE	75.5	IAML			23:21	19.66	31	0.36	
BRDL	HZ	86.1	EP			23:21	07.11			0.33
BRDL	HE	86.1	ES			23:21	18.46			1.30
BRDL	HE	86.1	IAML			23:21	23.08	50	0.21	
BRDL	HN	86.1	IAML			23:21	23.52	50	0.27	
SWN1	HZ	87.5	IP		C	23:21	06.62			-0.39
SWN1	HE	87.5	ES			23:21	18.04			0.48
SWN1	HE	87.5	IAML			23:21	20.61	22	0.25	
SWN1	HN	87.5	IAML			23:21	23.70	47	0.24	
STRD	HZ	101.0	EP			23:21	08.81			-0.35
STRD	HN	101.0	ES			23:21	23.07			1.80
STRD	HE	101.0	IAML			23:21	26.19	38	0.13	
STRD	HN	101.0	IAML			23:21	26.19	38	0.12	
CWF	HZ	101.0	IP		D	23:21	08.52			-0.55
BRAD	CZ	113.0	EP			23:21	10.60			-0.28
BRAD	CN	113.0	ES			23:21	24.38			0.13
BRAD	CE	113.0	IAML			23:21	25.99	50	0.19	
BRAD	CN	113.0	IAML			23:21	26.38	47	0.19	
ELMS	HZ	118.0	EP			23:21	11.57			-0.11
WACR	HZ	128.0	IP		D	23:21	13.52			0.40
OLDB	HE	130.0	ES			23:21	28.80			0.29
OLDB	HE	130.0	IAML			23:21	31.47	100	0.16	
OLDB	HN	130.0	IAML			23:21	31.66	221	0.42	
MONM	HZ	145.0	EP			23:21	15.37			-0.07
MONM	HE	145.0	ES			23:21	32.25			0.12
MONM	HN	145.0	IAML			23:21	34.71	90	0.36	
MONM	HE	145.0	IAML			23:21	34.88	69	0.34	
ELSH	HZ	154.0	EP			23:21	17.63			0.91
MCH1	HZ	158.0	EP			23:21	17.56			0.23
HLM1	HZ	163.0	EP			23:21	18.03			-0.10
STNC	HZ	166.0	EP			23:21	18.96			0.49
LMK	HZ	174.0	EP			23:21	20.99			1.56
FOEL	HZ	201.0	EP			23:21	24.29			1.35
HPK	HZ	236.0	EP			23:21	29.92			2.72
RSBS	HZ	278.0	EP			23:21	32.67			0.25

TABLE 2 : PHASE DATA

September 14 2020 Time: 06:11 26.4 UTC Magnitude: 1.3 ML
Lat: 51.925 Lon: -0.730 Depth: 10.0 km
Grid Ref: 487.32 kmE 225.97 kmN RMS: 0.90 secs
Locality: LEIGHTON BUZZARD,BEDS
Velocity model: Lownet Xnear: 100.0 Xfar: 150.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CWF	HZ	98.7	EP			06:11	42.05			-0.56
CWF	HN	98.7	ES			06:11	53.57			-0.86
CWF	HN	98.7	IAML			06:11	55.46	6	0.09	
CWF	HE	98.7	IAML			06:11	55.58	6	0.17	
STRD	HN	100.0	ES			06:11	56.34			1.55
STRD	HN	100.0	IAML			06:11	57.99	9	0.22	
STRD	HE	100.0	IAML			06:11	58.62	6	0.13	
ELMS	HN	120.0	ES			06:11	59.56			-0.22
WACR	HZ	128.0	EP			06:11	46.71			-0.26
WACR	HE	128.0	ES			06:12	02.05			0.08
WACR	HN	128.0	IAML			06:12	03.47	6	0.27	
WACR	HE	128.0	IAML			06:12	03.64	9	0.33	
MONM	HE	143.0	ES			06:12	05.35			-0.29
MONM	HN	143.0	IAML			06:12	07.80	11	0.41	
MONM	HE	143.0	IAML			06:12	07.95	9	0.28	
MCH1	HZ	156.0	EP			06:11	50.59			-0.37
MCH1	HN	156.0	ES			06:12	09.05			0.18
MCH1	HN	156.0	IAML			06:12	10.80	5	0.27	
MCH1	HE	156.0	IAML			06:12	11.16	6	0.13	
HLM1	HZ	161.0	EP			06:11	51.21			-0.51
HLM1	HE	161.0	ES			06:12	10.10			-0.08
HLM1	HE	161.0	IAML			06:12	12.12	8	0.33	
HLM1	HN	161.0	IAML			06:12	12.30	4	0.21	

September 14 2020 Time: 16:37 48.4 UTC Magnitude: 1.4 ML
Lat: 56.284 Lon: -3.745 Depth: 7.7 km
Grid Ref: 291.98 kmE 711.53 kmN RMS: 0.30 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	24.4	EP			16:37	52.98			-0.07
INVG	HN	24.4	ES			16:37	56.31			-0.16
INVG	HN	24.4	IAML			16:37	57.85	12	0.18	
INVG	HE	24.4	IAML			16:37	58.54	15	0.31	
EAB	HZ	38.2	IP		C	16:37	55.14			-0.06
EAB	HN	38.2	ES			16:37	59.93			-0.25
EAB	HN	38.2	IAML			16:38	02.95	40	0.38	
EAB	HE	38.2	IAML			16:38	03.08	18	0.18	
EDI	HZ	53.1	EP			16:37	57.39			-0.08
EDI	HN	53.1	ES			16:38	03.96			-0.15
EDI	HN	53.1	IAML			16:38	04.09	20	0.11	
EDI	HE	53.1	IAML			16:38	06.15	20	0.26	
GGERF	CZ	57.6	EP			16:37	58.34			0.19
PGB1	HZ	69.9	EP			16:37	59.84			-0.25
PGB1	HE	69.9	ES			16:38	08.23			-0.42
PGB1	HE	69.9	IAML			16:38	10.82	34	0.28	
PGB1	HN	69.9	IAML			16:38	15.92	27	0.13	
LAWE	HZ	103.0	EP			16:38	05.31			0.18
LAWE	HN	103.0	ES			16:38	17.89			0.52
LAWE	HN	103.0	IAML			16:38	20.07	24	0.16	
LAWE	HE	103.0	IAML			16:38	20.39	20	0.25	
DRUM	HZ	104.0	EP			16:38	05.65			0.23
DRUM	HN	104.0	ES			16:38	17.61			-0.26
ESK	HZ	113.0	EP			16:38	07.46			0.69
ESK	HE	113.0	IAML			16:38	23.28	23	0.24	
ESK	HN	113.0	IAML			16:38	23.33	14	0.27	
NEWG	HZ	133.0	EP			16:38	09.94			0.14
NEWG	HE	133.0	IAML			16:38	28.36	10	0.16	
NEWG	HN	133.0	IAML			16:38	28.89	10	0.16	
GAL1	HZ	169.0	EP			16:38	14.82			-0.03
GAL1	HN	169.0	ES			16:38	34.52			0.34
GAL1	HN	169.0	IAML			16:38	35.29	9	0.32	
GAL1	HE	169.0	IAML			16:38	35.48	13	0.52	

September 15 2020 Time: 03:28 46.0 UTC Magnitude: 1.1 ML
Lat: 51.924 Lon: -0.740 Depth: 10.0 km
Grid Ref: 486.64 kmE 225.85 kmN RMS: 0.90 secs
Locality: LEIGHTON BUZZARD,BEDS
Velocity model: Lownet Xnear: 100.0 Xfar: 150.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CWF	HZ	98.5	EP			03:29	01.48			-0.68
CWF	HN	98.5	ES			03:29	13.25			-0.71
CWF	HE	98.5	IAML			03:29	14.79	4	0.16	
CWF	HN	98.5	IAML			03:29	14.82	3	0.20	
STRD	HZ	99.4	EP			03:29	01.99			-0.30
STRD	HN	99.4	ES			03:29	16.08			1.90
STRD	HE	99.4	IAML			03:29	19.03	3	0.19	
STRD	HN	99.4	IAML			03:29	19.30	5	0.15	
ELMS	HN	120.0	ES			03:29	19.17			-0.36
ELMS	HN	120.0	IAML			03:29	20.15	7	0.28	
ELMS	HE	120.0	IAML			03:29	21.89	7	0.40	
WACR	HZ	129.0	EP			03:29	06.40			-0.22
WACR	HN	129.0	ES			03:29	21.32			-0.36
WACR	HN	129.0	IAML			03:29	22.80	6	0.20	
WACR	HE	129.0	IAML			03:29	23.82	5	0.12	
MONM	HZ	142.0	EP			03:29	08.90			0.34
MONM	HE	142.0	ES			03:29	25.07			0.03
MONM	HE	142.0	IAML			03:29	27.44	3	0.28	
MONM	HN	142.0	IAML			03:29	27.50	6	0.29	
MCH1	HZ	155.0	EP			03:29	10.49			0.05
MCH1	HN	155.0	ES			03:29	28.75			0.47
MCH1	HN	155.0	IAML			03:29	30.68	4	0.14	
MCH1	HE	155.0	IAML			03:29	30.88	3	0.12	
HLM1	HZ	161.0	EP			03:29	10.86			-0.35
HLM1	HN	161.0	ES			03:29	29.81			0.20
HLM1	HN	161.0	IAML			03:29	31.82	3	0.24	
HLM1	HE	161.0	IAML			03:29	31.82	6	0.31	

September 16 2020 Time: 02:39 36.4 UTC Magnitude: 2.8 ML
Lat: 49.080 Lon: -1.671 Depth: 14.7 km
Grid Ref: 424.02 kmE -91.06 kmN RMS: 0.20 secs
Locality: JERSEY,CHANNEL ISLANDS
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0
Comment: FELT JERSEY... Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
JSA	HZ	38.5	IP		D	02:39	43.25			-0.15
JSA	HN	38.5	ES			02:39	48.60			0.12
JSA	HN	38.5	IAML			02:39	49.08	327	0.15	
JSA	HE	38.5	IAML			02:39	49.34	373	0.20	
ROSF	BZ	144.0	EP			02:39	59.04			0.05
ROSF	BE	144.0	IAML			02:40	17.52	85	0.16	
ROSF	BN	144.0	IAML			02:40	17.64	169	0.44	
DYA	HZ	222.0	EP			02:40	08.44			-0.46
DYA	HN	222.0	IAML			02:40	43.31	68	0.15	
DYA	HE	222.0	IAML			02:40	44.13	59	0.25	
HMNX	HE	245.0	IAML			02:40	49.29	181	0.34	
HMNX	HN	245.0	IAML			02:40	56.92	136	0.38	
SWN1	HZ	271.0	EP			02:40	15.32			0.33
SWN1	HE	271.0	IAML			02:41	00.07	47	0.51	
SWN1	HN	271.0	IAML			02:41	03.37	101	0.68	
SBD	BZ	273.0	EP			02:40	14.88			-0.35
SBD	BN	273.0	IAML			02:40	58.73	50	0.45	
SBD	BE	273.0	IAML			02:41	00.61	34	0.45	
CCA1	HZ	285.0	EP			02:40	17.06			0.30
CCA1	HE	285.0	IAML			02:41	00.28	27	0.30	
CCA1	HN	285.0	IAML			02:41	01.77	31	0.58	
HTL	HZ	293.0	EP			02:40	18.14			0.37
HTL	HE	293.0	IAML			02:41	03.17	47	0.48	
HTL	HN	293.0	IAML			02:41	03.97	50	0.70	
OLDB	HZ	294.0	EP			02:40	17.87			0.05
OLDB	HE	294.0	IAML			02:41	06.57	153	0.34	
OLDB	HN	294.0	IAML			02:41	09.16	123	0.42	
STRD	HZ	302.0	EP			02:40	18.85			-0.03
ELSH	HE	305.0	IAML			02:41	09.74	27	0.50	
ELSH	HN	305.0	IAML			02:41	10.45	28	0.62	
MONM	HZ	317.0	EP			02:40	20.76			-0.03
MONM	HN	317.0	IAML			02:41	10.60	32	0.58	
MONM	HE	317.0	IAML			02:41	11.80	23	0.36	
MCH1	HZ	338.0	EP			02:40	23.32			-0.06
MCH1	HE	338.0	IAML			02:41	16.26	19	0.28	
MCH1	HN	338.0	IAML			02:41	18.98	22	0.42	
BRAD	CZ	348.0	EP			02:40	24.55			-0.03
BRAD	CE	348.0	IAML			02:41	14.29	27	0.38	
BRAD	CN	348.0	IAML			02:41	23.16	35	0.49	
HLM1	HZ	392.0	EP			02:40	30.10			-0.08
HLM1	HN	392.0	IAML			02:41	30.31	11	0.60	
HLM1	HE	392.0	IAML			02:41	31.33	17	0.64	

September 17 2020 Time: 17:31 42.2 UTC Magnitude: 1.1 ML
Lat: 53.585 Lon: -6.130 Depth: 17.8 km
Grid Ref: 126.69 kmE 417.78 kmN RMS: 0.20 secs
Locality: SKERRIES,COUNTY DUBLIN
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
DSB	HZ	41.2	IP		C	17:31	49.70			-0.04
DSB	HN	41.2	ES			17:31	55.05			-0.16
DSB	HE	41.2	IAML			17:31	57.44	7	0.18	
DSB	HN	41.2	IAML			17:31	58.55	8	0.05	
ILTH	HZ	51.1	EP			17:31	51.38			0.16
ILTH	HE	51.1	ES			17:31	57.63			-0.15
ILTH	HE	51.1	IAML			17:31	57.86	25	0.20	
ILTH	HN	51.1	IAML			17:31	58.07	12	0.13	
WPS	HZ	110.0	EP			17:31	59.93			0.22
WPS	HN	110.0	IAML			17:32	13.38	6	0.11	
WPS	HE	110.0	IAML			17:32	13.47	5	0.19	
WLF1	HZ	120.0	EP			17:32	01.42			0.34
WLF1	HN	120.0	ES			17:32	14.61			-0.23
WLF1	HN	120.0	IAML			17:32	15.28	19	0.22	
WLF1	HE	120.0	IAML			17:32	15.82	7	0.09	
IOMK	HZ	127.0	EP			17:32	02.22			0.03
IOMK	HE	127.0	ES			17:32	16.61			-0.14
IOMK	HE	127.0	IAML			17:32	18.75	2	0.11	
IOMK	HN	127.0	IAML			17:32	20.51	2	0.15	
IWEX	HZ	142.0	EP			17:32	04.33			0.11
IWEX	HE	142.0	IAML			17:32	23.19	4	0.14	
IWEX	HN	142.0	IAML			17:32	23.29	4	0.19	
GAL1	HZ	170.0	EP			17:32	07.50			-0.39
GAL1	HN	170.0	IAML			17:32	29.75	4	0.14	
GAL1	HE	170.0	IAML			17:32	29.98	3	0.15	
NEWG	HZ	211.0	EP			17:32	12.45			-0.52
KESW	HZ	227.0	EP			17:32	14.59			-0.49
ESK	HZ	270.0	EP			17:32	20.14			-0.33

TABLE 2 : PHASE DATA

September 19 2020 Time: 23:33 57.3 UTC Magnitude: 0.7 ML
Lat: 50.273 Lon: -5.395 Depth: 7.8 km
Grid Ref: 158.12 kmE 47.03 kmN RMS: 0.10 secs
Locality: PORTREATH,CORNWALL
Velocity model: Cornwall Xnear: 100.0 Xfar: 200.0
Comment: OFFSHORE LOCATION

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
GEL06	CZ	12.5	IP		D	23:33	59.76			-0.09
GEL06	CN	12.5	ES			23:34	01.89			0.05
GEL06	CN	12.5	IAML			23:34	02.06	29	0.15	
GEL06	CE	12.5	IAML			23:34	02.23	25	0.04	
GEL09	CZ	14.3	IP		D	23:34	00.04			-0.08
GEL09	CN	14.3	ES			23:34	02.32			0.01
GEL09	CN	14.3	IAML			23:34	02.41	24	0.09	
GEL09	CE	14.3	IAML			23:34	02.48	17	0.09	
GEL05	CZ	15.3	IP		D	23:34	00.26			-0.02
GEL05	CN	15.3	ES			23:34	02.63			0.03
GEL05	CE	15.3	IAML			23:34	02.73	42	0.06	
GEL05	CN	15.3	IAML			23:34	02.75	38	0.04	
CCA1	HZ	15.3	IP		D	23:34	00.23			-0.05
CCA1	HN	15.3	ES			23:34	02.64			0.04
CCA1	HN	15.3	IAML			23:34	02.74	26	0.06	
CCA1	HE	15.3	IAML			23:34	02.75	26	0.08	
GEL04	CZ	15.4	IP		D	23:34	00.22			-0.06
GEL04	CE	15.4	ES			23:34	02.60			0.01
GEL04	CE	15.4	IAML			23:34	02.69	26	0.09	
GEL04	CN	15.4	IAML			23:34	02.72	65	0.05	
GEL07	CZ	17.0	IP		C	23:34	00.53			-0.01
GEL07	CN	17.0	ES			23:34	03.13			0.08
GEL07	CN	17.0	IAML			23:34	03.41	11	0.08	
GEL07	CE	17.0	IAML			23:34	03.69	7	0.09	
GEL01	CZ	18.1	IP		D	23:34	00.66			-0.04
GEL01	CN	18.1	ES			23:34	03.40			0.05
GEL01	CN	18.1	IAML			23:34	03.49	9	0.16	
GEL01	CE	18.1	IAML			23:34	03.63	8	0.11	
GEL03	CN	18.6	ES			23:34	03.55			0.05
GEL03	CN	18.6	IAML			23:34	03.72	38	0.09	
GEL02	CZ	18.6	IP		D	23:34	00.75			-0.04
GEL02	CN	18.6	ES			23:34	03.48			-0.03
GEL02	CN	18.6	IAML			23:34	03.61	25	0.10	
GEL02	CE	18.6	IAML			23:34	03.87	22	0.08	
GEL03	CZ	18.6	IP		D	23:34	00.80			0.01
GEL03	CE	18.6	IAML			23:34	03.68	33	0.09	
SBD	BZ	59.9	EP			23:34	07.70			-0.09
SBD	BE	59.9	IAML			23:34	16.05	4	0.11	
SBD	BN	59.9	IAML			23:34	17.69	5	0.10	
HTL	HZ	103.0	EP			23:34	14.49			0.18
DYA	HZ	106.0	EP			23:34	14.98			0.24
DYA	HN	106.0	ES			23:34	27.99			-0.21
DYA	HE	106.0	IAML			23:34	29.31	2	0.15	
DYA	HN	106.0	IAML			23:34	29.63	4	0.19	

September 22 2020 Time: 08:32 15.9 UTC Magnitude: 3.0 ML
Lat: 51.919 Lon: -0.679 Depth: 10.0 km
Grid Ref: 490.84 kmE 225.37 kmN RMS: 0.70 secs
Locality: LEIGHTON BUZZARD,BEDS
Velocity model: Lownet Xnear: 100.0 Xfar: 150.0
Comment: FELT LEIGHTON... Intensity: 4

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
BUW	HZ	68.1	IP		C	08:32	26.42			-0.87
BUW	HN	68.1	ES			08:32	34.93			-0.70
BUW	HE	68.1	IAML			08:32	37.56	1404	0.43	
BUW	HN	68.1	IAML			08:32	38.47	1118	0.42	
WOL	BZ	77.2	IP		C	08:32	27.92			-0.78
WOL	BE	77.2	ES			08:32	37.50			-0.58
WOL	BN	77.2	IAML			08:32	43.23	341	0.24	
WOL	BE	77.2	IAML			08:32	43.47	329	0.36	
BRDL	HZ	86.2	EP			08:32	30.68			0.60
BRDL	HE	86.2	ES			08:32	41.40			0.93
BRDL	HE	86.2	IAML			08:32	46.93	540	0.23	
BRDL	HN	86.2	IAML			08:32	47.24	523	0.28	
SWN1	HZ	89.7	IP		C	08:32	30.38			-0.26
SWN1	HE	89.7	ES			08:32	42.00			0.57
SWN1	HN	89.7	IAML			08:32	47.50	419	0.21	
SWN1	HE	89.7	IAML			08:32	50.10	301	0.50	
CWF	HZ	101.0	IP		D	08:32	32.33			-0.04
CWF	HN	101.0	ES			08:32	44.15			-0.27
CWF	HE	101.0	IAML			08:32	45.80	368	0.20	
CWF	HN	101.0	IAML			08:32	45.93	240	0.20	
STRD	HZ	103.0	EP			08:32	32.59			-0.19
STRD	HN	103.0	ES			08:32	46.87			1.74
STRD	HN	103.0	IAML			08:32	51.59	277	0.25	
STRD	HE	103.0	IAML			08:32	52.19	396	0.41	
OLDB	HZ	132.0	EP			08:32	37.01			0.06
OLDB	HE	132.0	ES			08:32	52.40			0.06
OLDB	HN	132.0	IAML			08:32	55.49	2183	0.41	
OLDB	HE	132.0	IAML			08:32	56.61	820	0.39	
HMNX	HZ	137.0	EP			08:32	38.45			0.88
ELSH	HZ	152.0	IP		C	08:32	41.36			1.53
MCH1	HZ	160.0	EP			08:32	41.20			0.29
MCH1	HE	160.0	ES			08:32	59.35			0.16
MCH1	HN	160.0	IAML			08:33	01.52	300	0.25	
MCH1	HE	160.0	IAML			08:33	01.79	341	0.44	
HLM1	HZ	165.0	EP			08:32	41.69			0.08
AS02	HZ	202.0	IP		C	08:32	47.93			1.64
FOEL	HZ	203.0	EP			08:32	47.52			1.14
AS07	HZ	273.0	EP			08:32	55.87			0.69
DYA	HZ	281.0	EP			08:32	56.27			0.15
HTL	HZ	284.0	EP			08:32	56.23			-0.20
AQ12	HZ	313.0	EP			08:33	00.13			0.02
AP12	HZ	318.0	IP			08:33	00.93			0.24
SBD	BZ	318.0	EP			08:33	00.01			-0.69
SBD	BN	318.0	IAML			08:33	50.70	42	0.35	
SBD	BE	318.0	IAML			08:33	50.74	41	0.38	
CCA1	HZ	373.0	EP			08:33	06.93			-0.62

September 22 2020 Time: 12:39 21.8 UTC Magnitude: 2.1 ML
Lat: 51.930 Lon: -0.712 Depth: 10.0 km
Grid Ref: 488.55 kmE 226.55 kmN RMS: 0.40 secs
Locality: LEIGHTON BUZZARD,BEDS
Velocity model: Lownet Xnear: 100.0 Xfar: 150.0
Comment: FELT LEIGHTON... Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WOL	BZ	77.2	EP	4		12:39	35.19			0.52
WOL	BN	77.2	IAML			12:39	46.38	23	0.25	
WOL	BE	77.2	IAML			12:39	51.58	30	0.50	
SWN1	HZ	88.4	EP			12:39	35.88			-0.53
CWF	HZ	98.7	EP			12:39	37.83			-0.19
CWF	HN	98.7	ES			12:39	49.45			-0.39
CWF	HE	98.7	IAML			12:39	51.32	50	0.16	
CWF	HN	98.7	IAML			12:39	51.73	32	0.21	
STRD	HZ	101.0	EP			12:39	39.07			0.64
STBN	CZ	107.0	EP			12:39	39.69			0.36
STBN	CE	107.0	ES			12:39	52.34			0.23
STBN	CN	107.0	IAML			12:39	53.92	36	0.24	
STBN	CE	107.0	IAML			12:39	54.40	40	0.32	
BRAD	CZ	113.0	EP			12:39	40.30			0.09
BRAD	CE	113.0	ES			12:39	53.47			-0.17
BRAD	CN	113.0	IAML			12:39	54.80	55	0.26	
BRAD	CE	113.0	IAML			12:39	55.26	49	0.18	
WACR	HZ	127.0	EP			12:39	42.77			0.58
OLDB	HZ	130.0	EP			12:39	42.63			-0.01
MONM	HZ	144.0	EP			12:39	44.76			0.08
MONM	HE	144.0	ES			12:40	01.57			0.21
MONM	HN	144.0	IAML			12:40	03.98	86	0.36	
MONM	HE	144.0	IAML			12:40	04.14	57	0.33	
ELSH	HZ	155.0	EP			12:39	47.22			1.06
MCH1	HZ	157.0	EP			12:39	46.76			0.22
MCH1	HE	157.0	ES			12:40	05.02			0.44
MCH1	HE	157.0	IAML			12:40	07.00	34	0.27	
MCH1	HN	157.0	IAML			12:40	07.73	37	0.15	
HLM1	HZ	162.0	EP			12:39	47.25			0.00
HLM1	HE	162.0	ES			12:40	06.07			0.25
HLM1	HN	162.0	IAML			12:40	08.45	29	0.21	
HLM1	HE	162.0	IAML			12:40	08.45	42	0.31	
FOEL	HZ	200.0	EP			12:39	53.24			1.21

September 22 2020 Time: 18:46 02.1 UTC Magnitude: 0.7 ML
Lat: 54.380 Lon: -4.305 Depth: 8.2 km
Grid Ref: 250.32 kmE 500.74 kmN RMS: 0.30 secs
Locality: IRISH SEA
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 8KM NE RAMSEY,IOM

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
IOMK	HZ	21.6	EP			18:46	06.27			-0.08
IOMK	HN	21.6	ES			18:46	09.15			-0.29
IOMK	HN	21.6	IAML			18:46	09.29	9	0.09	
IOMK	HE	21.6	IAML			18:46	09.59	6	0.06	
GAL1	HZ	60.1	EP			18:46	12.60			0.29
GAL1	HE	60.1	ES			18:46	19.48			-0.26
GAL1	HE	60.1	IAML			18:46	19.71	8	0.18	
GAL1	HN	60.1	IAML			18:46	20.09	5	0.11	
AP12	HN	68.0	ES			18:46	21.56			-0.32
AP12	HN	68.0	IAML			18:46	22.50	4	0.27	
AP12	HE	68.0	IAML			18:46	22.89	3	0.04	
KESW	HZ	81.2	EP			18:46	16.03			0.43
KESW	HN	81.2	ES			18:46	25.43			-0.01
KESW	HN	81.2	IAML			18:46	27.02	3	0.23	
KESW	HE	81.2	IAML			18:46	27.30	3	0.12	
NEWG	HZ	82.2	EP			18:46	16.00			0.27
NEWG	HE	82.2	ES			18:46	25.46			-0.21
NEWG	HE	82.2	IAML			18:46	27.86	6	0.15	
NEWG	HN	82.2	IAML			18:46	27.86	4	0.16	
AQ12	HN	101.0	ES			18:46	30.60			-0.21
AQ12	HN	101.0	IAML			18:46	31.67	6	0.07	
AQ12	HE	101.0	IAML			18:46	32.30	4	0.09	
WLF1	HZ	122.0	EP			18:46	22.36			0.55
ESK	HZ	126.0	EP			18:46	22.59			0.13

September 23 2020 Time: 22:20 41.1 UTC Magnitude: 1.0 ML
Lat: 57.205 Lon: -5.550 Depth: 4.3 km
Grid Ref: 185.61 kmE 818.26 kmN RMS: 0.20 secs
Locality: GLENELG,HIGHLAND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	16.2	EP			22:20	44.43			0.13
KPL	HN	16.2	ES			22:20	46.49			-0.17

TABLE 2 : PHASE DATA

KPL	HN	16.2	IAML		22:20	46.95	33	0.17	
KPL	HE	16.2	IAML		22:20	47.05	48	0.23	
LAWE	HZ	106.0	EP		22:20	58.89			0.36
LAWE	HE	106.0	ES		22:21	11.00			-0.27
LAWE	HN	106.0	IAML		22:21	14.18	5	0.29	
LAWE	HE	106.0	IAML		22:21	14.97	6	0.24	
LINV	HZ	107.0	EP		22:20	58.63			-0.11
LINV	HN	107.0	ES		22:21	11.72			0.09
LINV	HN	107.0	IAML		22:21	12.30	2	0.08	
LINV	HE	107.0	IAML		22:21	12.42	5	0.19	
INVG	HZ	126.0	IP	D	22:21	01.48			-0.29
INVG	HE	126.0	IAML		22:21	16.46	3	0.22	
INVG	HN	126.0	IAML		22:21	16.61	3	0.16	
EAB	HZ	135.0	EP		22:21	03.40			0.30
EAB	HE	135.0	IAML		22:21	19.70	4	0.32	
EAB	HN	135.0	IAML		22:21	21.42	4	0.12	

September 24 2020 Time: 11:11 45.7 UTC Magnitude: 1.7 ML
Lat: 53.123 Lon: -3.039 Depth: 7.7 km
Grid Ref: 330.48 kmE 358.96 kmN RMS: 0.40 secs
Locality: HOPE,FLINTSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
FOEL	HZ	28.1	EP			11:11	50.95			-0.01
FOEL	HE	28.1	ES			11:11	54.49			-0.33
FOEL	HE	28.1	IAML			11:11	55.72	46	0.18	
FOEL	HN	28.1	IAML			11:11	56.32	58	0.21	
STNC	HN	55.9	ES			11:12	02.32			0.13
STNC	HN	55.9	IAML			11:12	02.69	61	0.18	
STNC	HE	55.9	IAML			11:12	02.70	48	0.19	
HLM1	HZ	68.1	EP			11:11	57.08			-0.08
HLM1	HN	68.1	ES			11:12	05.13			-0.41
HLM1	HN	68.1	IAML			11:12	05.47	21	0.24	
HLM1	HE	68.1	IAML			11:12	05.50	29	0.20	
WLF1	HZ	92.6	EP			11:12	01.11			0.24
WLF1	HN	92.6	ES			11:12	11.68			-0.28
WLF1	HN	92.6	IAML			11:12	12.53	29	0.26	
WLF1	HE	92.6	IAML			11:12	13.07	20	0.12	
WPS	HZ	102.0	EP			11:12	02.82			0.47
WPS	HN	102.0	ES			11:12	14.53			0.00
WPS	HN	102.0	IAML			11:12	15.26	12	0.12	
WPS	HE	102.0	IAML			11:12	15.37	10	0.15	
CWF	HZ	124.0	EP			11:12	06.03			0.27
CWF	HN	124.0	IAML			11:12	22.07	12	0.09	
CWF	HE	124.0	IAML			11:12	22.31	9	0.17	
MCH1	HZ	125.0	EP			11:12	06.74			0.80
MCH1	HE	125.0	IAML			11:12	23.10	14	0.12	
MCH1	HN	125.0	IAML			11:12	23.46	15	0.10	
AR09	HE	129.0	ES			11:12	21.00			-0.73
AR09	HE	129.0	IAML			11:12	22.80	64	0.10	
AR09	HN	129.0	IAML			11:12	23.74	72	0.13	
HPK	HZ	132.0	EP			11:12	06.89			-0.02
MONM	HZ	144.0	EP			11:12	09.26			0.69
MONM	HE	144.0	IAML			11:12	27.28	17	0.36	
MONM	HN	144.0	IAML			11:12	27.99	20	0.24	
AS07	HZ	145.0	EP			11:12	08.45			-0.39
AS07	HN	145.0	ES			11:12	25.63			-0.13
AS07	HN	145.0	IAML			11:12	26.15	24	0.34	
AS07	HE	145.0	IAML			11:12	27.24	28	0.40	

September 28 2020 Time: 04:54 06.3 UTC Magnitude: 2.3 ML
Lat: 56.274 Lon: -3.735 Depth: 2.5 km
Grid Ref: 292.58 kmE 710.40 kmN RMS: 0.30 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT BLACKFORD... Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	25.6	IP		C	04:54	11.27			0.13
INVG	HE	25.6	ES			04:54	14.37			-0.31
INVG	HN	25.6	IAML			04:54	16.83	108	0.32	
INVG	HE	25.6	IAML			04:54	16.84	139	0.51	
EAB	HZ	38.6	IP		C	04:54	13.42			0.08
EAB	HN	38.6	ES			04:54	18.21			-0.28
EAB	HE	38.6	IAML			04:54	20.28	171	0.56	
EAB	HN	38.6	IAML			04:54	21.24	234	0.40	
EDI	HZ	51.8	IP		D	04:54	15.70			0.17
EDI	HN	51.8	ES			04:54	22.15			-0.13
EDI	HN	51.8	IAML			04:54	22.39	122	0.11	
EDI	HE	51.8	IAML			04:54	24.45	163	0.24	
GGERF	CZ	57.0	EP			04:54	16.56			0.25
GGERF	CE	57.0	ES			04:54	23.44			-0.19
PGB1	HZ	69.5	IP		C	04:54	18.13			-0.16
PGB1	HE	69.5	ES			04:54	26.64			-0.41
PGB1	HE	69.5	IAML			04:54	29.13	249	0.34	
PGB1	HN	69.5	IAML			04:54	31.38	188	0.47	
LAWE	HZ	103.0	EP			04:54	23.53			0.04
LAWE	HN	103.0	ES			04:54	36.71			0.67
LAWE	HN	103.0	IAML			04:54	38.38	126	0.21	
LAWE	HE	103.0	IAML			04:54	38.67	99	0.24	
DRUM	HZ	105.0	EP			04:54	23.74			0.02
DRUM	HN	105.0	ES			04:54	35.95			-0.50
DRUM	HE	105.0	IAML			04:54	38.18	352	0.19	
DRUM	HN	105.0	IAML			04:54	38.38	194	0.17	
ESK	HZ	112.0	EP			04:54	25.39			0.55
ESK	HN	112.0	ES			04:54	38.69			0.31
ESK	HN	112.0	IAML			04:54	41.42	101	0.23	
ESK	HE	112.0	IAML			04:54	41.70	136	0.23	
NEWG	HZ	133.0	EP			04:54	28.11			0.06
NEWG	HN	133.0	ES			04:54	43.32			-0.61
NEWG	HN	133.0	IAML			04:54	47.20	64	0.14	
NEWG	HE	133.0	IAML			04:54	47.76	77	0.26	
MCD	HZ	149.0	EP			04:54	30.79			0.41
MCD	HN	149.0	ES			04:54	48.30			0.34
MCD	HN	149.0	IAML			04:54	51.15	58	0.38	
MCD	HE	149.0	IAML			04:54	55.39	88	0.61	
KPL	HZ	167.0	EP			04:54	33.41			0.51
KPL	HN	167.0	IAML			04:54	54.57	30	0.31	
KPL	HE	167.0	IAML			04:54	56.62	52	0.29	
GAL1	HZ	168.0	EP			04:54	32.79			-0.38
GAL1	HN	168.0	IAML			04:54	53.77	67	0.35	
GAL1	HE	168.0	IAML			04:54	54.03	83	0.21	
CLGH	HZ	200.0	EP			04:54	36.96			-0.24
CLGH	HN	200.0	IAML			04:55	03.38	28	0.30	
CLGH	HE	200.0	IAML			04:55	08.74	32	0.45	
LINV	HZ	226.0	EP			04:54	40.74			0.24
LINV	HE	226.0	IAML			04:55	12.70	16	0.32	
LINV	HN	226.0	IAML			04:55	14.88	11	0.49	
IOMK	HZ	230.0	EP			04:54	41.08			0.07
IOMK	HE	230.0	IAML			04:55	13.00	10	0.27	
IOMK	HN	230.0	IAML			04:55	16.14	11	0.45	

October 4 2020 Time: 18:43 41.8 UTC Magnitude: 2.5 ML
Lat: 56.275 Lon: -3.753 Depth: 6.7 km
Grid Ref: 291.46 kmE 710.54 kmN RMS: 0.20 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT BLACKFORD... Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	24.7	IP		C	18:43	46.44			-0.15
INVG	HE	24.7	IAML			18:43	51.73	237	0.58	
INVG	HN	24.7	IAML			18:43	52.00	182	0.41	
EAB	HZ	37.5	IP		C	18:43	48.56			-0.03
EAB	HN	37.5	ES			18:43	53.32			-0.21
EAB	HE	37.5	IAML			18:43	55.44	249	0.56	
EAB	HN	37.5	IAML			18:43	56.42	392	0.40	
EDI	HZ	52.6	IP		D	18:43	50.85			-0.05
EDI	HN	52.6	ES			18:43	57.26			-0.27
EDI	HN	52.6	IAML			18:43	57.52	174	0.12	
EDI	HE	52.6	IAML			18:43	59.52	206	0.34	
GGERF	CZ	56.5	EP			18:43	51.67			0.19
PGB1	HZ	68.8	IP		C	18:43	53.30			-0.13
PGB1	HE	68.8	IAML			18:44	04.11	404	0.40	
PGB1	HN	68.8	IAML			18:44	06.31	290	0.44	
LAWE	HZ	102.0	EP			18:43	58.66			0.10
LAWE	HN	102.0	IAML			18:44	13.45	245	0.16	
LAWE	HE	102.0	IAML			18:44	13.71	210	0.26	
DRUM	HZ	105.0	EP			18:43	58.97			-0.12
DRUM	HE	105.0	IAML			18:44	13.26	591	0.24	
DRUM	HN	105.0	IAML			18:44	15.73	288	0.22	
ESK	HZ	112.0	EP			18:44	00.52			0.37
ESK	HE	112.0	IAML			18:44	16.77	206	0.24	
ESK	HN	112.0	IAML			18:44	17.42	132	0.14	
NEWG	HZ	132.0	EP			18:44	03.48			0.31
NEWG	HE	132.0	IAML			18:44	21.78	127	0.16	
NEWG	HN	132.0	IAML			18:44	22.24	111	0.30	
MCD	HZ	149.0	EP			18:44	06.09			0.54
MCD	HN	149.0	IAML			18:44	26.13	83	0.38	
MCD	HE	149.0	IAML			18:44	30.26	117	0.60	
KPL	HZ	166.0	EP			18:44	08.61			0.67
KPL	HN	166.0	IAML			18:44	31.65	56	0.24	
KPL	HE	166.0	IAML			18:44	31.65	80	0.24	
GAL1	HZ	168.0	EP			18:44	08.39			0.13
GAL1	HN	168.0	IAML			18:44	28.76	107	0.34	
GAL1	HE	168.0	IAML			18:44	28.95	142	0.54	

October 4 2020 Time: 21:01 34.2 UTC Magnitude: 0.8 ML
Lat: 56.286 Lon: -3.766 Depth: 2.6 km
Grid Ref: 290.69 kmE 711.79 kmN RMS: 0.20 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT BLACKFORD Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	23.3	EP			21:01	38.77			0.13
INVG	HN	23.3	ES			21:01	42.05			0.15
INVG	HE	23.3	IAML			21:01	42.41	4	0.10	
INVG	HN	23.3	IAML			21:01	42.41	5	0.09	
EAB	HZ	37.0	EP			21:01	40.94			-0.04
EAB	HN	37.0	ES			21:01	45.68			-0.26
EAB	HN	37.0	IAML			21:01	46.24	6	0.14	
EAB	HE	37.0	IAML			21:01	46.38	5	0.07	
LAWE	HZ	101.0	EP			21:01	51.16			0.08
LAWE	HN	101.0	IAML			21:02	05.81	6	0.14	
LAWE	HE	101.0	IAML			21:02	05.91	4	0.13	
DRUM	HZ	105.0	EP			21:01	51.36			-0.33
DRUM	HE	105.0	IAML			21:02	05.58	14	0.22	
DRUM	HN	105.0	IAML			21:02	05.76	6	0.18	
ESK	HZ	114.0	EP			21:01	53.38			0.36
ESK	HN	114.0	IAML			21:02	08.86	5	0.24	

TABLE 2 : PHASE DATA

ESK	HE	114.0	IAML	21:02	09.14	5	0.22	
NEWG	HZ	133.0	EP	21:01	55.97			-0.09
NEWG	HN	133.0	IAML	21:02	13.50	2	0.12	
NEWG	HE	133.0	IAML	21:02	14.22	3	0.17	

October 4 2020 Time: 21:52 42.2 UTC Magnitude: 1.0 ML
Lat: 55.421 Lon: -3.438 Depth: 6.1 km
Grid Ref: 308.99 kmE 615.06 kmN RMS: 0.30 secs
Locality: GLENBRECK,BORDERS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ESK	HZ	18.8	IP		C	21:52	46.08			0.10
ESK	HN	18.8	ES			21:52	48.55			-0.18
ESK	HN	18.8	IAML			21:52	48.71	49	0.16	
ESK	HE	18.8	IAML			21:52	48.82	31	0.03	
EKA	BZ	20.2	IP			21:52	46.25			0.02
EKA	BZ	20.2	ES			21:52	48.80			-0.37
EDI	HZ	58.1	EP			21:52	52.18			-0.01
EDI	HE	58.1	ES			21:52	58.97			-0.50
EDI	HE	58.1	IAML			21:52	59.83	4	0.17	
EDI	HN	58.1	IAML			21:52	59.98	4	0.18	
NEWG	HZ	60.6	EP			21:52	52.43			-0.16
NEWG	HE	60.6	ES			21:52	59.51			-0.65
NEWG	HE	60.6	IAML			21:53	01.36	5	0.09	
NEWG	HN	60.6	IAML			21:53	01.55	7	0.10	
PGB1	HZ	78.9	EP			21:52	55.80			0.37
PGB1	HE	78.9	ES			21:53	05.01			-0.07
PGB1	HN	78.9	IAML			21:53	07.76	28	0.22	
PGB1	HE	78.9	IAML			21:53	07.84	23	0.19	
KESW	HZ	95.1	EP			21:52	58.41			0.45
KESW	HE	95.1	IAML			21:53	11.40	2	0.28	
KESW	HN	95.1	IAML			21:53	11.82	4	0.57	
EAB	HN	102.0	IAML			21:53	13.37	4	0.09	
GAL1	HN	102.0	IAML			21:53	12.74	6	0.15	
EAB	HZ	102.0	EP			21:52	59.55			0.47
GAL1	HE	102.0	IAML			21:53	12.01	5	0.19	
EAB	HE	102.0	IAML			21:53	12.23	3	0.23	
GAL1	HZ	102.0	EP			21:52	59.16			0.16
EDMD	HZ	115.0	EP			21:53	01.57			0.61
EDMD	HE	115.0	IAML			21:53	16.41	10	0.18	
EDMD	HN	115.0	IAML			21:53	16.51	9	0.12	
INVG	HZ	118.0	EP			21:53	01.46			-0.08
INVG	HE	118.0	IAML			21:53	16.57	3	0.34	
INVG	HN	118.0	IAML			21:53	18.18	1	0.15	

October 5 2020 Time: 03:25 34.8 UTC Magnitude: 2.6 ML
Lat: 53.546 Lon: 2.059 Depth: 10.0 km
Grid Ref: 668.86 kmE 413.18 kmN RMS: 0.50 secs
Locality: SOUTHERN NORTH SEA
Velocity model: Lownet Xnear: 100.0 Xfar: 300.0
Comment: 85KM NE CROMER

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WACR	HZ	132.0	IP		D	03:25	55.48			-0.44
WACR	HN	132.0	ES			03:26	11.11			-0.22
WACR	HN	132.0	IAML			03:26	12.51	87	0.13	
WACR	HE	132.0	IAML			03:26	13.06	90	0.13	
LMK	HZ	159.0	EP			03:25	59.14			-0.54
LMK	HN	159.0	ES			03:26	18.18			0.34
LMK	HE	159.0	IAML			03:26	20.59	136	0.31	
LMK	HN	159.0	IAML			03:26	21.41	291	0.26	
ELMS	HZ	177.0	EP			03:26	01.92			-0.11
ELMS	HE	177.0	ES			03:26	22.71			0.81
ELMS	HE	177.0	IAML			03:26	23.91	169	0.47	
ELMS	HN	177.0	IAML			03:26	28.88	134	0.27	
AU05	HZ	197.0	EP			03:26	05.55			1.05
AU05	HN	197.0	IAML			03:26	30.32	184	0.36	
AU05	HE	197.0	IAML			03:26	31.81	185	0.36	
AU18	HZ	198.0	EP			03:26	04.55			-0.12
AU18	HN	198.0	IAML			03:26	32.81	50	0.41	
AU18	HE	198.0	IAML			03:26	38.28	49	0.35	
AU11	HZ	210.0	EP			03:26	06.20			0.09
AU11	HN	210.0	IAML			03:26	42.09	26	0.49	
AU11	HE	210.0	IAML			03:26	43.91	29	0.65	
GDLE	HZ	212.0	EP			03:26	06.15			-0.33
GDLE	HE	212.0	IAML			03:26	41.74	44	0.35	
GDLE	HN	212.0	IAML			03:26	49.52	56	0.34	
BRAD	CZ	216.0	EP			03:26	07.22			0.38
BRAD	CN	216.0	IAML			03:26	33.07	70	0.42	
BRAD	CE	216.0	IAML			03:26	35.26	67	0.42	
AT10	HZ	231.0	EP			03:26	09.51			0.63
CWF	HZ	243.0	EP			03:26	09.98			-0.27
CWF	HN	243.0	IAML			03:26	44.73	25	0.22	
CWF	HE	243.0	IAML			03:26	45.71	13	0.38	
AS02	HZ	268.0	EP			03:26	12.77			-0.69
AR07	HZ	302.0	EP			03:26	16.90			-0.80
AR09	HZ	305.0	EP			03:26	17.03			-1.14
AQ12	HZ	331.0	EP			03:26	20.34			-0.98
HLM1	HZ	350.0	EP			03:26	22.74			-1.05
HLM1	HN	350.0	IAML			03:27	13.74	15	0.25	
HLM1	HE	350.0	IAML			03:27	14.02	10	0.39	
KESW	HZ	357.0	EP			03:26	23.80			-0.83
KESW	HE	357.0	IAML			03:27	19.95	9	0.57	
KESW	HN	357.0	IAML			03:27	22.12	13	0.46	
FOEL	HZ	359.0	EP			03:26	23.81			-1.02
FOEL	HE	359.0	IAML			03:27	17.80	17	0.44	
FOEL	HN	359.0	IAML			03:27	21.37	16	0.47	
MONM	HZ	380.0	EP			03:26	26.62			-0.75
MCH1	HZ	382.0	EP			03:26	26.83			-0.89
ESK	HZ	394.0	EP			03:26	28.22			-1.02
GAL1	HZ	465.0	EP			03:26	36.66			-1.43

October 6 2020 Time: 05:16 16.9 UTC Magnitude: 2.2 ML
Lat: 61.486 Lon: 4.137 Depth: 10.0 km
Grid Ref: 726.47 kmE 1304.73 kmN RMS: 0.40 secs
Locality: NORWEGIAN SEA
Velocity model: North Sea Xnear: 500.0 Xfar: 1000.0
Comment: 325KM ENE LERWICK

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
FOO	HZ	49.7	EP			05:16	24.61			-0.51
FOO	HN	49.7	IAML			05:16	30.05	227	0.12	
FOO	HE	49.7	IAML			05:16	31.17	187	0.11	
BER	HZ	139.0	EP			05:16	38.94			0.22
BER	HE	139.0	IAML			05:16	57.45	60	0.16	
BER	HN	139.0	IAML			05:16	57.90	58	0.12	
MOL	HZ	216.0	EP			05:16	48.70			0.47
MOL	HE	216.0	IAML			05:17	15.32	13	0.30	
MOL	HN	216.0	IAML			05:17	17.24	10	0.14	
LRW	HE	326.0	IAML			05:17	38.32	6	0.12	
LRW	HN	326.0	IAML			05:17	38.46	7	0.31	
BIGH	HZ	559.0	EP			05:17	30.64			-0.23

October 7 2020 Time: 08:35 05.8 UTC Magnitude: 1.7 ML
Lat: 55.731 Lon: -3.211 Depth: 6.2 km
Grid Ref: 323.96 kmE 649.28 kmN RMS: 0.40 secs
Locality: EDDLESTON,BORDERS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT EDDLESTON Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
EDI	HZ	21.4	IP		C	08:35	09.81			-0.12
EDI	HN	21.4	ES			08:35	12.73			-0.25
EDI	HE	21.4	IAML			08:35	12.88	67	0.15	
EDI	HN	21.4	IAML			08:35	12.91	147	0.11	
EKA	BZ	44.4	EP			08:35	13.49			-0.15
ESK	HZ	46.2	EP			08:35	13.87			-0.03
ESK	HE	46.2	ES			08:35	19.17			-0.67
ESK	HE	46.2	IAML			08:35	19.28	94	0.03	
ESK	HN	46.2	IAML			08:35	19.65	26	0.13	
PGB1	HZ	80.4	EP			08:35	19.58			0.39
PGB1	HN	80.4	ES			08:35	28.44			-0.56
PGB1	HN	80.4	IAML			08:35	33.39	102	0.19	
PGB1	HE	80.4	IAML			08:35	33.70	88	0.19	
EAB	HZ	86.9	EP			08:35	20.42			0.21
EAB	HN	86.9	ES			08:35	30.83			0.07
EAB	HE	86.9	IAML			08:35	34.82	27	0.07	
EAB	HN	86.9	IAML			08:35	34.99	33	0.13	
INVG	HZ	93.3	EP			08:35	21.33			0.13
INVG	HE	93.3	ES			08:35	32.32			-0.16
INVG	HN	93.3	IAML			08:35	35.27	14	0.15	
INVG	HE	93.3	IAML			08:35	36.23	9	0.09	
NEWG	HZ	94.0	IP		D	08:35	21.44			0.15
NEWG	HN	94.0	IAML			08:35	35.96	54	0.19	
NEWG	HE	94.0	IAML			08:35	36.33	28	0.15	
KESW	HZ	127.0	EP			08:35	27.18			0.71
KESW	HN	127.0	IAML			08:35	43.91	14	0.22	
KESW	HE	127.0	IAML			08:35	44.01	12	0.23	
GAL1	HZ	135.0	EP			08:35	28.04			0.44
GAL1	HN	135.0	IAML			08:35	45.79	25	0.12	
GAL1	HE	135.0	IAML			08:35	46.16	19	0.09	
DRUM	HZ	139.0	EP			08:35	28.07			-0.04
DRUM	HN	139.0	IAML			08:35	46.82	27	0.13	
DRUM	HE	139.0	IAML			08:35	47.22	29	0.16	
AQ12	HZ	147.0	EP			08:35	30.23			0.93
LAWE	HZ	149.0	EP			08:35	30.23			0.74

October 8 2020 Time: 04:24 33.6 UTC Magnitude: 2.3 ML
Lat: 54.178 Lon: -0.525 Depth: 19.5 km
Grid Ref: 496.26 kmE 476.83 kmN RMS: 0.40 secs
Locality: SHERBURN,N YORKSHIRE
Velocity model: Lownet Xnear: 75.0 Xfar: 150.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AV06	HZ	3.3	EP			04:24	36.97			-0.02
AV06	HN	3.3	ES			04:24	40.05			0.57
AV06	HN	3.3	IAML			04:24	40.61	143	0.25	
AV06	HE	3.3	IAML			04:24	40.72	86	0.20	
AU08	HZ	10.7	IP		C	04:24	37.43			0.02
AU08	HE	10.7	ES			04:24	39.73			-0.47
AU08	HE	10.7	IAML			04:24	41.01	344	0.13	
AU08	HN	10.7	IAML			04:24	41.01	570	0.09	
AU18	HZ	14.3	IP		C	04:24	37.71			0.00
AU18	HN	14.3	ES			04:24	40.07			-0.64
AU18	HN	14.3	IAML			04:24	41.53	894	0.24	
AU18	HE	14.3	IAML			04:24	41.66	506	0.28	
AU15	HZ	23.8	IP		C	04:24	38.92			0.15
AU15	HN	23.8	IAML			04:24	43.56	1480	0.22	
AU15	HE	23.8	IAML			04:24	44.00	744	0.17	
AU11	HZ	26.7	IP		C	04:24	39.27			0.13
AU11	HE	26.7	ES			04:24	43.34			0.15
AU11	HN	26.7	IAML			04:24	43.88	504	0.13	

TABLE 2 : PHASE DATA

AU11	HE	26.7	IAML		04:24	44.07	255	0.12	
AU07	HZ	29.3	IP	C	04:24	39.61			0.11
AU07	HN	29.3	ES		04:24	44.45			0.64
AU07	HN	29.3	IAML		04:24	44.88	596	0.22	
AU07	HE	29.3	IAML		04:24	44.89	527	0.34	
GDLE	HZ	33.1	IP	D	04:24	39.89			-0.15
GDLE	HN	33.1	ES		04:24	44.53			-0.22
GDLE	HN	33.1	IAML		04:24	45.19	332	0.29	
GDLE	HE	33.1	IAML		04:24	45.95	212	0.31	
AU05	HZ	42.1	EP		04:24	41.04			-0.23
AU05	HN	42.1	ES		04:24	46.78			-0.10
AU05	HE	42.1	IAML		04:24	47.19	586	0.35	
AU05	HN	42.1	IAML		04:24	48.77	363	0.26	
AT10	HZ	47.5	IP	C	04:24	42.11			0.01
AT10	HN	47.5	ES		04:24	48.62			0.31
AT10	HE	47.5	IAML		04:24	48.99	349	0.26	
AT10	HN	47.5	IAML		04:24	49.13	413	0.31	
AT12	HZ	74.6	EP		04:24	46.28			0.36
AT12	HN	74.6	ES		04:24	55.31			0.39
AT12	HE	74.6	IAML		04:24	56.81	349	0.19	
AT12	HN	74.6	IAML		04:24	56.98	336	0.14	
HPK	HZ	76.0	EP		04:24	46.11			-0.04
HPK	HE	76.0	ES		04:24	55.46			0.14
HPK	HE	76.0	IAML		04:24	56.87	133	0.16	
HPK	HN	76.0	IAML		04:24	57.25	186	0.29	
LMK	HZ	81.3	IP	C	04:24	47.06			0.16
LMK	HN	81.3	IAML		04:24	58.50	95	0.25	
LMK	HE	81.3	IAML		04:24	58.60	127	0.36	
AS07	HZ	92.5	EP		04:24	48.18			-0.37
AS07	HN	92.5	ES		04:24	58.69			-0.79
AS07	HE	92.5	IAML		04:25	00.47	67	0.15	
AS07	HN	92.5	IAML		04:25	01.29	90	0.09	
AS10	HN	94.6	ES		04:25	00.10			0.21
AS10	HE	94.6	IAML		04:25	01.58	337	0.22	
AS10	HN	94.6	IAML		04:25	02.27	246	0.30	
AR05	HZ	99.9	EP		04:24	49.36			-0.21
AR05	HN	99.9	ES		04:25	01.40			0.16
AR05	HN	99.9	IAML		04:25	02.92	78	0.23	
AR05	HE	99.9	IAML		04:25	03.11	97	0.29	
LBWR	HZ	117.0	EP		04:24	51.34			-0.71
LBWR	HN	117.0	IAML		04:25	07.20	170	0.23	
LBWR	HE	117.0	IAML		04:25	07.36	144	0.17	
EDMD	HZ	118.0	EP		04:24	51.18			-0.94
EDMD	HE	118.0	ES		04:25	04.70			-0.94
EDMD	HE	118.0	IAML		04:25	07.65	109	0.17	
EDMD	HN	118.0	IAML		04:25	08.31	111	0.13	
AS02	HZ	119.0	EP		04:24	51.53			-0.71
AS02	HN	119.0	IAML		04:25	06.70	62	0.24	
AS02	HE	119.0	IAML		04:25	07.27	60	0.12	
AR09	HZ	125.0	EP		04:24	53.49			0.27
AR09	HN	125.0	IAML		04:25	09.31	219	0.10	
AR09	HE	125.0	IAML		04:25	09.51	267	0.30	
AR07	HN	128.0	IAML		04:25	10.81	72	0.34	
AR07	HE	128.0	IAML		04:25	10.89	90	0.28	
AR01	HZ	131.0	EP		04:24	52.98			-0.99
AR01	HN	131.0	IAML		04:25	11.40	33	0.14	
AR01	HE	131.0	IAML		04:25	12.06	38	0.10	
AQ07	HN	145.0	IAML		04:25	16.60	120	0.28	
AQ07	HE	145.0	IAML		04:25	18.61	132	0.28	
AQ12	HZ	148.0	EP		04:24	56.50			0.13
AQ12	HE	148.0	IAML		04:25	16.18	28	0.09	
AQ12	HN	148.0	IAML		04:25	16.39	37	0.07	
AQ05	HN	165.0	IAML		04:25	22.76	110	0.10	
AQ05	HE	165.0	IAML		04:25	23.89	63	0.12	
KESW	HZ	174.0	EP		04:25	00.04			0.45
KESW	HN	174.0	IAML		04:25	23.26	15	0.18	
KESW	HE	174.0	IAML		04:25	25.72	18	0.46	
ESK	HN	214.0	IAML		04:25	35.48	14	0.23	
ESK	HE	214.0	IAML		04:25	36.12	10	0.29	

October 9 2020 Time: 07:33 54.0 UTC Magnitude: 0.6 ML
Lat: 56.293 Lon: -3.761 Depth: 7.7 km
Grid Ref: 291.02 kmE 712.56 kmN RMS: 0.20 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	23.0	IP		D	07:33	58.47			-0.04
INVG	HE	23.0	ES			07:34	01.82			0.05
INVG	HN	23.0	IAML			07:34	02.02	2	0.08	
INVG	HE	23.0	IAML			07:34	04.08	2	0.36	
EAB	HZ	37.6	IP		C	07:34	00.60			-0.16
EAB	HN	37.6	ES			07:34	05.43			-0.23
EAB	HE	37.6	IAML			07:34	06.55	4	0.30	
EAB	HN	37.6	IAML			07:34	07.00	4	0.19	
PGB1	HZ	70.0	EP			07:34	05.76			-0.01
LAWE	HZ	102.0	EP			07:34	11.04			0.39
LAWE	HN	102.0	ES			07:34	22.82			0.05
LAWE	HN	102.0	IAML			07:34	25.49	4	0.14	
LAWE	HE	102.0	IAML			07:34	25.67	2	0.25	
DRUM	HZ	104.0	EP			07:34	11.02			-0.08
DRUM	HE	104.0	IAML			07:34	25.35	8	0.25	
DRUM	HN	104.0	IAML			07:34	25.52	5	0.19	
ESK	HN	114.0	IAML			07:34	28.64	3	0.19	
ESK	HE	114.0	IAML			07:34	28.88	4	0.20	
NEWG	HZ	134.0	EP			07:34	15.67			0.11
NEWG	HN	134.0	IAML			07:34	32.65	2	0.29	
NEWG	HE	134.0	IAML			07:34	34.13	2	0.12	

October 10 2020 Time: 06:23 31.6 UTC Magnitude: 1.5 ML
Lat: 56.281 Lon: -3.747 Depth: 5.2 km
Grid Ref: 291.85 kmE 711.20 kmN RMS: 0.40 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT BLACKFORD... Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	24.5	IP		C	06:23	36.41			0.11
INVG	HN	24.5	ES			06:23	39.60			-0.13
INVG	HE	24.5	IAML			06:23	41.19	19	0.41	
INVG	HN	24.5	IAML			06:23	41.92	20	0.19	
EAB	HZ	38.0	IP		C	06:23	38.56			-0.01
EAB	HN	38.0	ES			06:23	43.37			-0.28
EAB	HE	38.0	IAML			06:23	45.83	28	0.25	
EAB	HN	38.0	IAML			06:23	46.53	37	0.18	
EDI	HZ	52.9	IP		D	06:23	40.89			0.05
EDI	HN	52.9	ES			06:23	47.33			-0.26
EDI	HN	52.9	IAML			06:23	47.60	24	0.11	
EDI	HE	52.9	IAML			06:23	47.78	34	0.31	
PGB1	HZ	69.6	IP		C	06:23	43.32			-0.12
PGB1	HN	69.6	ES			06:23	51.95			-0.14
PGB1	HE	69.6	IAML			06:23	54.30	45	0.44	
PGB1	HN	69.6	IAML			06:23	55.15	34	0.21	
LAWE	HZ	102.0	IP		D	06:23	48.73			0.21
LAWE	HN	102.0	ES			06:24	00.84			-0.02
LAWE	HN	102.0	IAML			06:24	03.48	30	0.15	
LAWE	HE	102.0	IAML			06:24	05.01	22	0.13	
DRUM	HZ	105.0	EP			06:23	48.94			0.06
DRUM	HE	105.0	ES			06:24	01.09			-0.40
DRUM	HE	105.0	IAML			06:24	03.32	68	0.24	
DRUM	HN	105.0	IAML			06:24	03.50	37	0.19	
ESK	HZ	113.0	EP			06:23	50.69			0.56
NEWG	HZ	133.0	EP			06:23	53.31			0.09
MCD	HZ	148.0	EP			06:23	56.10			0.71
KPL	HZ	166.0	EP			06:23	59.29			1.45
GAL1	HZ	169.0	EP			06:23	59.20			0.88
KESW	HZ	193.0	EP			06:24	02.97			1.61

October 10 2020 Time: 06:28 44.7 UTC Magnitude: 1.8 ML
Lat: 56.280 Lon: -3.752 Depth: 7.7 km
Grid Ref: 291.54 kmE 711.10 kmN RMS: 0.40 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT BLACKFORD... Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	24.4	EP			06:28	49.23			-0.14
INVG	HN	24.4	ES			06:28	52.70			-0.09
INVG	HN	24.4	IAML			06:28	53.24	40	0.12	
INVG	HE	24.4	IAML			06:28	54.85	38	0.14	
EAB	HN	37.7	ES			06:28	56.12			-0.22
EAB	HE	37.7	IAML			06:28	57.35	63	0.20	
EAB	HN	37.7	IAML			06:28	59.34	75	0.20	
EDI	HZ	53.0	IP		D	06:28	53.71			-0.06
EDI	HN	53.0	ES			06:29	00.14			-0.26
EDI	HN	53.0	IAML			06:29	00.40	50	0.15	
EDI	HE	53.0	IAML			06:29	00.56	70	0.29	
PGB1	HZ	69.2	IP		C	06:28	56.13			-0.17
PGB1	HN	69.2	ES			06:29	04.73			-0.05
PGB1	HE	69.2	IAML			06:29	07.11	98	0.33	
PGB1	HN	69.2	IAML			06:29	09.31	65	0.37	
LAWE	HZ	102.0	EP			06:29	01.51			0.13
LAWE	HN	102.0	ES			06:29	13.71			0.15
LAWE	HN	102.0	IAML			06:29	16.28	63	0.09	
LAWE	HE	102.0	IAML			06:29	17.75	50	0.29	
DRUM	HZ	105.0	EP			06:29	01.78			-0.06
DRUM	HE	105.0	ES			06:29	14.24			-0.12
DRUM	HE	105.0	IAML			06:29	16.16	154	0.26	
DRUM	HN	105.0	IAML			06:29	16.32	82	0.20	
ESK	HZ	113.0	EP			06:29	03.76			0.73
NEWG	HZ	133.0	EP			06:29	06.11			0.08
MCD	HZ	148.0	EP			06:29	08.87			0.61
KPL	HZ	166.0	EP			06:29	12.16			1.49
GAL1	HZ	169.0	EP			06:29	10.80			-0.28
EDMD	HZ	197.0	EP			06:29	16.49			1.89

October 10 2020 Time: 07:31 01.1 UTC Magnitude: 0.8 ML
Lat: 56.281 Lon: -3.752 Depth: 7.5 km
Grid Ref: 291.54 kmE 711.21 kmN RMS: 0.30 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	24.3	EP			07:31	05.63			-0.10
INVG	HN	24.3	ES			07:31	09.09			-0.04
INVG	HN	24.3	IAML			07:31	09.20	4	0.08	
INVG	HE	24.3	IAML			07:31	09.24	4	0.10	
EAB	HZ	37.7	IP		C	07:31	07.77			-0.04
EAB	HN	37.7	ES			07:31	12.57			-0.16
EAB	HN	37.7	IAML			07:31	12.87	7	0.08	
EAB	HE	37.7	IAML			07:31	13.59	6	0.19	
EDI	HN	53.1	ES			07:31	16.40			-0.41

TABLE 2 : PHASE DATA

EDI	HN	53.1	IAML		07:31	16.71	5	0.17
EDI	HE	53.1	IAML		07:31	16.87	5	0.15
PGB1	HZ	69.3	EP		07:31	12.54		-0.16
LAWE	HZ	102.0	EP		07:31	17.98		0.22
LAWE	HN	102.0	ES		07:31	29.98		0.04
LAWE	HN	102.0	IAML		07:31	32.68	5	0.16
LAWE	HE	102.0	IAML		07:31	32.83	4	0.25
DRUM	HZ	105.0	IP	D	07:31	18.26		0.05
DRUM	HN	105.0	ES		07:31	30.72		0.00
DRUM	HE	105.0	IAML		07:31	32.51	12	0.22
DRUM	HN	105.0	IAML		07:31	32.87	7	0.34
ESK	HZ	113.0	EP		07:31	20.22		0.79
ESK	HN	113.0	ES		07:31	32.65		-0.19
ESK	HN	113.0	IAML		07:31	35.78	5	0.22
ESK	HE	113.0	IAML		07:31	36.03	5	0.23
NEWG	HZ	133.0	EP		07:31	22.78		0.34
NEWG	HN	133.0	IAML		07:31	40.23	2	0.18
NEWG	HE	133.0	IAML		07:31	41.84	4	0.28

October 11 2020 Time: 17:11 33.3 UTC Magnitude: 1.8 ML
Lat: 52.601 Lon: -4.183 Depth: 7.5 km
Grid Ref: 252.17 kmE 302.63 kmN RMS: 0.40 secs
Locality: TONFANAU,GWYNEDD
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: OFFSHORE LOCATION

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
YLL	EZ	59.9	EP			17:11	43.50			0.03
FOEL	HZ	73.7	IP		C	17:11	45.90			0.25
FOEL	HN	73.7	ES			17:11	53.95			-0.72
FOEL	HE	73.7	IAML			17:11	54.74	65	0.15	
FOEL	HN	73.7	IAML			17:11	54.80	90	0.16	
WLF1	HZ	77.9	IP		D	17:11	46.38			0.15
WLF1	HN	77.9	ES			17:11	55.66			-0.01
WLF1	HE	77.9	IAML			17:11	55.83	88	0.10	
WLF1	HN	77.9	IAML			17:11	55.91	71	0.26	
RSBS	HZ	81.7	EP			17:11	46.75			-0.12
RSBS	HN	81.7	ES			17:11	56.33			-0.44
RSBS	HN	81.7	IAML			17:11	57.83	43	0.15	
RSBS	HE	81.7	IAML			17:11	59.85	37	0.08	
HLM1	HZ	88.8	IP		D	17:11	48.30			0.31
HLM1	HN	88.8	ES			17:11	58.54			-0.17
HLM1	HN	88.8	IAML			17:11	59.15	26	0.13	
HLM1	HE	88.8	IAML			17:11	59.44	16	0.16	
WME	EZ	88.9	IP		D	17:11	47.98			0.03
WPS	HZ	91.4	EP			17:11	48.69			0.37
WPS	HN	91.4	ES			17:11	59.03			-0.25
WPS	HN	91.4	IAML			17:12	00.19	17	0.19	
WPS	HE	91.4	IAML			17:12	00.77	20	0.28	
MCH1	HZ	105.0	EP			17:11	50.70			0.22
MCH1	HE	105.0	ES			17:12	02.86			-0.16
MCH1	HE	105.0	IAML			17:12	03.60	38	0.12	
MCH1	HN	105.0	IAML			17:12	04.23	34	0.25	
MONM	HZ	127.0	EP			17:11	54.22			0.44
OLDB	HZ	153.0	EP			17:11	58.57			1.05
DSB	HZ	164.0	EP			17:11	59.35			0.28
DSB	HN	164.0	ES			17:12	17.00			-0.88
DSB	HN	164.0	IAML			17:12	18.37	10	0.25	
DSB	HE	164.0	IAML			17:12	18.45	11	0.35	
IWEX	HZ	178.0	EP			17:12	01.16			0.27
IWEX	HN	178.0	ES			17:12	20.65			-0.39
IWEX	HN	178.0	IAML			17:12	23.93	5	0.21	
IWEX	HE	178.0	IAML			17:12	24.69	4	0.14	
HTL	HZ	180.0	EP			17:12	02.79			1.65
HTL	HE	180.0	ES			17:12	23.07			1.61
HTL	HN	180.0	IAML			17:12	23.79	16	0.34	
HTL	HE	180.0	IAML			17:12	24.71	14	0.16	
IOMK	HZ	186.0	EP			17:12	01.54			-0.42
LBWR	HZ	187.0	EP			17:12	02.90			0.77
CWF	HZ	195.0	EP			17:12	03.07			0.03
AR09	HZ	215.0	EP			17:12	05.05			-0.50

October 12 2020 Time: 22:15 51.4 UTC Magnitude: 0.8 ML
Lat: 56.620 Lon: -5.717 Depth: 8.1 km
Grid Ref: 171.99 kmE 753.74 kmN RMS: 0.50 secs
Locality: CLAGGAN,HIGHLAND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	44.6	IP		D	22:15	59.01			-0.13
LAWE	HN	44.6	ES			22:16	04.43			-0.39
LAWE	HE	44.6	IAML			22:16	04.63	8	0.12	
LAWE	HN	44.6	IAML			22:16	04.68	6	0.08	
KPL	HZ	80.2	EP			22:16	04.33			-0.31
KPL	HN	80.2	IAML			22:16	17.10	3	0.09	
KPL	HE	80.2	IAML			22:16	17.25	6	0.16	
EAB	HZ	97.8	EP			22:16	08.21			0.80
EAB	HN	97.8	ES			22:16	19.30			0.17
EAB	HN	97.8	IAML			22:16	22.66	3	0.28	
EAB	HE	97.8	IAML			22:16	23.09	2	0.20	
INVG	HZ	105.0	EP			22:16	08.99			0.43
INVG	HN	105.0	ES			22:16	20.52			-0.60
INVG	HE	105.0	IAML			22:16	23.47	4	0.10	
INVG	HN	105.0	IAML			22:16	23.80	4	0.15	

October 13 2020 Time: 21:59 22.5 UTC Magnitude: 1.2 ML
Lat: 53.551 Lon: -1.863 Depth: 11.1 km
Grid Ref: 409.08 kmE 406.08 kmN RMS: 0.20 secs
Locality: MELTHAM,WEST YORKSHIRE
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0
Comment: FELT MELTHAM... Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AS02	HZ	8.1	IP		C	21:59	25.64			0.05
AS02	HE	8.1	ES			21:59	27.97			0.14
AS02	HN	8.1	IAML			21:59	28.14	44	0.15	
AS02	HE	8.1	IAML			21:59	28.25	25	0.12	
LBWR	HZ	19.0	IP		D	21:59	26.68			-0.11
LBWR	HE	19.0	ES			21:59	29.93			0.02
LBWR	HN	19.0	IAML			21:59	30.86	36	0.10	
LBWR	HE	19.0	IAML			21:59	30.93	30	0.16	
AR01	HZ	36.0	EP			21:59	28.93			-0.26
AR01	HE	36.0	ES			21:59	33.43			-0.61
AR01	HN	36.0	IAML			21:59	33.94	22	0.14	
AR01	HE	36.0	IAML			21:59	34.25	13	0.20	
HPK	HZ	48.0	EP			21:59	31.05			0.07
HPK	HE	48.0	ES			21:59	37.23			0.08
HPK	HE	48.0	IAML			21:59	37.67	25	0.15	
HPK	HN	48.0	IAML			21:59	38.34	22	0.23	
AR05	HZ	50.0	IP		D	21:59	31.32			0.03
AR05	HE	50.0	ES			21:59	37.64			-0.05
AR05	HN	50.0	IAML			21:59	38.03	18	0.27	
AR05	HE	50.0	IAML			21:59	38.78	10	0.27	
AQ03	HN	71.6	ES			21:59	43.62			0.29
AQ03	HN	71.6	IAML			21:59	43.76	37	0.27	
AQ03	HE	71.6	IAML			21:59	45.11	25	0.14	
AQ05	HN	78.7	ES			21:59	45.54			0.34
AQ05	HN	78.7	IAML			21:59	45.98	28	0.14	
AQ05	HE	78.7	IAML			21:59	46.52	15	0.09	

October 13 2020 Time: 22:49 08.4 UTC Magnitude: 1.0 ML
Lat: 56.292 Lon: -3.748 Depth: 7.7 km
Grid Ref: 291.82 kmE 712.43 kmN RMS: 0.30 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	23.6	EP			22:49	13.01			0.02
INVG	HE	23.6	ES			22:49	16.16			-0.15
INVG	HE	23.6	IAML			22:49	16.91	4	0.14	
INVG	HN	23.6	IAML			22:49	16.94	5	0.11	
EAB	HZ	38.3	IP		C	22:49	15.18			-0.08
EAB	HN	38.3	ES			22:49	19.86			-0.38
EAB	HN	38.3	IAML			22:49	20.42	13	0.11	
EAB	HE	38.3	IAML			22:49	21.69	9	0.31	
EDI	HZ	53.9	EP			22:49	17.50			-0.15
EDI	HE	53.9	ES			22:49	24.05			-0.33
EDI	HN	53.9	IAML			22:49	24.15	8	0.15	
EDI	HE	53.9	IAML			22:49	24.39	13	0.33	
GGERF	CZ	58.3	EP			22:49	18.38			0.08
PGB1	HZ	70.5	IP		D	22:49	19.98			-0.25
LAWE	HZ	102.0	EP			22:49	25.64			0.49
LAWE	HN	102.0	ES			22:49	37.44			0.08
LAWE	HE	102.0	IAML			22:49	40.10	5	0.14	
LAWE	HN	102.0	IAML			22:49	40.11	6	0.11	
DRUM	HZ	104.0	EP			22:49	25.60			0.20
DRUM	HE	104.0	ES			22:49	37.60			-0.19
DRUM	HE	104.0	IAML			22:49	39.90	16	0.21	
DRUM	HN	104.0	IAML			22:49	40.11	9	0.21	
ESK	HZ	114.0	EP			22:49	27.73			0.76
ESK	HE	114.0	IAML			22:49	42.96	7	0.21	
ESK	HN	114.0	IAML			22:49	43.12	8	0.21	
NEWG	HZ	134.0	EP			22:49	30.28			0.31
NEWG	HN	134.0	IAML			22:49	47.92	3	0.18	
NEWG	HE	134.0	IAML			22:49	48.74	4	0.14	
KPL	HN	165.0	IAML			22:49	58.28	3	0.26	
KPL	HE	165.0	IAML			22:49	58.28	3	0.29	

October 14 2020 Time: 04:06 23.6 UTC Magnitude: 0.4 ML
Lat: 56.284 Lon: -3.758 Depth: 7.5 km
Grid Ref: 291.18 kmE 711.55 kmN RMS: 0.30 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	23.8	IP		C	04:06	28.15			-0.06
INVG	HN	23.8	ES			04:06	31.41			-0.15
INVG	HN	23.8	IAML			04:06	31.69	2	0.09	
INVG	HE	23.8	IAML			04:06	32.43	1	0.08	
EAB	HZ	37.5	EP			04:06	30.27			-0.06
EAB	HE	37.5	ES			04:06	35.09			-0.14
EAB	HE	37.5	IAML			04:06	35.30	2	0.15	
EAB	HN	37.5	IAML			04:06	35.52	4	0.16	
EDI	HZ	53.6	EP			04:06	32.64			-0.16
EDI	HE	53.6	ES			04:06	39.15			-0.35
EDI	HN	53.6	IAML			04:06	39.33	3	0.19	
EDI	HE	53.6	IAML			04:06	39.55	3	0.21	
PGB1	HZ	69.4	EP			04:06	35.00			-0.26
LAWE	HZ	102.0	EP			04:06	40.70			0.44
LAWE	HN	102.0	IAML			04:06	55.20	2	0.12	
LAWE	HE	102.0	IAML			04:06	55.33	2	0.32	
DRUM	HZ	105.0	EP			04:06	40.83			0.07

TABLE 2 : PHASE DATA

DRUM	HE	105.0	IAML		04:06	54.82	4	0.25
DRUM	HN	105.0	IAML		04:06	55.14	2	0.12
ESK	HZ	113.0	EP		04:06	42.91		0.85
ESK	HE	113.0	IAML		04:06	57.98	3	0.34
ESK	HN	113.0	IAML		04:06	58.31	2	0.22
NEWG	HZ	133.0	EP		04:06	45.19		0.15
NEWG	HN	133.0	IAML		04:07	03.00	1	0.18
NEWG	HE	133.0	IAML		04:07	03.54	1	0.16

October 14 2020 Time: 17:29 06.9 UTC Magnitude: 0.8 ML
Lat: 57.159 Lon: -5.190 Depth: 6.2 km
Grid Ref: 207.10 kmE 812.06 kmN RMS: 0.50 secs
Locality: LOCH CLUANIE,HIGHLAND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	34.4	EP			17:29	13.20			0.05
KPL	HN	34.4	ES			17:29	17.29			-0.44
KPL	HN	34.4	IAML			17:29	17.86	4	0.20	
KPL	HE	34.4	IAML			17:29	17.89	3	0.05	
LAWE	HZ	101.0	EP			17:29	23.76			0.28
LAWE	HN	101.0	ES			17:29	35.65			0.06
LAWE	HE	101.0	IAML			17:29	37.50	3	0.24	
LAWE	HN	101.0	IAML			17:29	37.78	4	0.23	
INVG	HZ	107.0	EP			17:29	24.39			-0.12
INVG	HN	107.0	ES			17:29	36.52			-0.87
INVG	HN	107.0	IAML			17:29	39.60	3	0.17	
INVG	HE	107.0	IAML			17:29	39.75	4	0.15	
LINV	HZ	110.0	EP			17:29	25.10			0.21
LINV	HE	110.0	IAML			17:29	39.93	2	0.06	
LINV	HN	110.0	IAML			17:29	41.46	1	0.12	
EAB	HZ	120.0	EP			17:29	27.35			0.88
EAB	HN	120.0	IAML			17:29	43.31	3	0.06	
EAB	HE	120.0	IAML			17:29	43.46	3	0.27	
MCD	HZ	126.0	EP			17:29	27.65			0.30
MCD	HE	126.0	IAML			17:29	43.25	6	0.45	
MCD	HN	126.0	IAML			17:29	43.56	6	0.67	

October 15 2020 Time: 05:33 22.2 UTC Magnitude: 0.5 ML
Lat: 56.289 Lon: -3.748 Depth: 7.5 km
Grid Ref: 291.81 kmE 712.09 kmN RMS: 0.20 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	23.9	EP			05:33	26.78			0.03
INVG	HN	23.9	ES			05:33	29.99			-0.12
INVG	HN	23.9	IAML			05:33	30.26	2	0.10	
INVG	HE	23.9	IAML			05:33	31.50	1	0.12	
EAB	HZ	38.2	IP		C	05:33	28.88			-0.09
EAB	HN	38.2	ES			05:33	33.67			-0.27
EAB	HN	38.2	IAML			05:33	34.15	3	0.18	
EAB	HE	38.2	IAML			05:33	34.32	2	0.13	
LAWE	HZ	102.0	EP			05:33	39.39			0.51
LAWE	HE	102.0	IAML			05:33	53.80	2	0.16	
LAWE	HN	102.0	IAML			05:33	54.13	2	0.21	
DRUM	HZ	104.0	EP			05:33	39.34			0.17
DRUM	HN	104.0	ES			05:33	51.44			-0.15
DRUM	HE	104.0	IAML			05:33	53.61	5	0.16	
DRUM	HN	104.0	IAML			05:33	55.76	3	0.07	
ESK	HN	113.0	ES			05:33	53.91			-0.22
ESK	HN	113.0	IAML			05:33	56.92	2	0.25	
ESK	HE	113.0	IAML			05:33	57.18	2	0.23	
NEWG	HE	134.0	ES			05:33	59.64			0.29
NEWG	HN	134.0	IAML			05:34	01.19	1	0.14	
NEWG	HE	134.0	IAML			05:34	02.24	1	0.17	

October 15 2020 Time: 22:45 39.1 UTC Magnitude: 0.9 ML
Lat: 51.425 Lon: -2.602 Depth: 11.0 km
Grid Ref: 358.15 kmE 169.78 kmN RMS: 0.20 secs
Locality: BRISTOL,CITY OF BRISTOL
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
OLDB	HZ	26.5	IP		C	22:45	44.02			-0.05
OLDB	HN	26.5	ES			22:45	47.96			0.23
OLDB	HN	26.5	IAML			22:45	48.35	68	0.19	
OLDB	HE	26.5	IAML			22:45	48.53	38	0.37	
MONM	HZ	48.2	IP		C	22:45	47.39			-0.03
MONM	HE	48.2	ES			22:45	53.70			0.17
MONM	HN	48.2	IAML			22:45	53.92	8	0.14	
MONM	HE	48.2	IAML			22:45	54.04	12	0.14	
STRD	HZ	49.6	IP		C	22:45	47.39			-0.25
STRD	HN	49.6	ES			22:45	54.01			0.10
STRD	HN	49.6	IAML			22:45	54.78	9	0.16	
STRD	HE	49.6	IAML			22:45	55.07	11	0.20	
MCH1	HZ	69.3	EP			22:45	50.47			-0.24
MCH1	HN	69.3	ES			22:45	59.05			-0.16
MCH1	HN	69.3	IAML			22:45	59.32	4	0.21	
MCH1	HE	69.3	IAML			22:45	59.65	3	0.29	
HLM1	HZ	123.0	IP		D	22:45	59.05			0.17
HLM1	HN	123.0	ES			22:46	13.24			-0.10
HLM1	HE	123.0	IAML			22:46	15.82	3	0.28	
HLM1	HN	123.0	IAML			22:46	16.41	2	0.17	
HTL	HZ	140.0	EP			22:46	01.21			0.01
HTL	HE	140.0	IAML			22:46	18.53	2	0.40	
HTL	HN	140.0	IAML			22:46	19.96	2	0.22	
DYA	HZ	144.0	EP			22:46	02.25			0.38
DYA	HE	144.0	IAML			22:46	19.53	2	0.17	
DYA	HN	144.0	IAML			22:46	20.90	1	0.10	
RSBS	HZ	159.0	EP			22:46	04.36			0.35
RSBS	HN	159.0	IAML			22:46	23.58	2	0.19	
RSBS	HE	159.0	IAML			22:46	24.99	2	0.06	

October 16 2020 Time: 05:42 26.5 UTC Magnitude: 3.5 ML
Lat: 61.491 Lon: 3.288 Depth: 18.9 km
Grid Ref: 681.34 kmE 1301.32 kmN RMS: 0.50 secs
Locality: NORWEGIAN SEA
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0
Comment: 285KM ENE LERWICK

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
FOO	HZ	94.0	EP			05:42	41.25			-0.07
FOO	HN	94.0	ES			05:42	52.04			-0.13
FOO	HN	94.0	IAML			05:42	53.16	466	0.22	
FOO	HE	94.0	IAML			05:42	53.34	242	0.22	
BER	HZ	166.0	EP			05:42	51.61			0.48
BER	HN	166.0	IAML			05:43	18.32	89	0.11	
BER	HE	166.0	IAML			05:43	18.33	116	0.12	
MOL	HZ	253.0	EP			05:43	02.02			-0.04
MOL	HN	253.0	IAML			05:43	38.26	26	0.26	
MOL	HE	253.0	IAML			05:43	38.93	20	0.26	
LRW	HZ	286.0	EP			05:43	06.93			0.78
LRW	HE	286.0	IAML			05:43	37.73	82	0.14	
LRW	HN	286.0	IAML			05:43	58.82	39	0.40	
BIGH	HZ	522.0	EP			05:43	35.71			0.08
BIGH	HE	522.0	IAML			05:44	28.40	121	0.16	
BIGH	HN	522.0	IAML			05:44	29.80	67	0.24	
MCD	HZ	571.0	EP			05:43	41.53			-0.27
MCD	HN	571.0	IAML			05:44	39.06	68	0.28	
MCD	HE	571.0	IAML			05:44	39.73	35	0.15	
LINV	HZ	604.0	EP			05:43	45.58			-0.27
LINV	HN	604.0	IAML			05:44	45.50	22	0.24	
LINV	HE	604.0	IAML			05:44	46.60	28	0.20	
DRUM	HZ	607.0	EP			05:43	46.33			0.05
DRUM	HE	607.0	IAML			05:44	47.15	70	0.20	
DRUM	HN	607.0	IAML			05:44	47.61	82	0.14	
KPL	HE	686.0	IAML			05:45	02.97	16	0.27	
KPL	HN	686.0	IAML			05:45	03.95	34	0.34	
INVG	HZ	703.0	EP			05:43	57.85			-0.51
INVG	HN	703.0	IAML			05:45	06.47	16	0.16	
INVG	HE	703.0	IAML			05:45	06.89	20	0.18	
EAB	HZ	736.0	EP			05:44	01.99			-0.40
EAB	HN	736.0	IAML			05:45	14.43	32	0.30	
EAB	HE	736.0	IAML			05:45	15.22	16	0.18	
LAWE	HZ	767.0	EP			05:44	05.11			-1.19
LAWE	HE	767.0	IAML			05:45	21.22	34	0.34	
LAWE	HN	767.0	IAML			05:45	21.39	27	0.20	
EDMD	HZ	803.0	EP			05:44	09.86			-0.87
EDMD	HN	803.0	IAML			05:45	30.90	14	0.23	
EDMD	HE	803.0	IAML			05:45	31.44	15	0.18	
AQ12	HZ	862.0	EP			05:44	17.81			-0.42
AQ12	HN	862.0	IAML			05:45	43.10	9	0.14	
AQ12	HE	862.0	IAML			05:45	44.79	6	0.17	
AS07	HZ	863.0	EP			05:44	17.65			-0.68
AS07	HE	863.0	IAML			05:45	44.63	7	0.17	
AS07	HN	863.0	IAML			05:45	46.86	12	0.28	

October 17 2020 Time: 15:39 35.7 UTC Magnitude: 0.7 ML
Lat: 56.259 Lon: -3.780 Depth: 2.6 km
Grid Ref: 289.75 kmE 708.80 kmN RMS: 0.30 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	24.8	EP			15:39	40.21			-0.22
INVG	HN	24.8	ES			15:39	43.64			-0.23
INVG	HN	24.8	IAML			15:39	43.76	3	0.07	
INVG	HE	24.8	IAML			15:39	44.95	2	0.09	
EAB	HZ	35.4	IP		C	15:39	42.34			0.12
EAB	HN	35.4	ES			15:39	47.05			0.06
EAB	HN	35.4	IAML			15:39	47.60	5	0.15	
EAB	HE	35.4	IAML			15:39	48.26	5	0.25	
PGB1	HZ	66.4	EP			15:39	47.13			-0.08
PGB1	HE	66.4	IAML			15:39	58.07	8	0.29	
PGB1	HN	66.4	IAML			15:39	58.88	6	0.17	
LAWE	HZ	100.0	EP			15:39	52.81			0.35
LAWE	HN	100.0	ES			15:40	04.57			-0.12
LAWE	HN	100.0	IAML			15:40	07.20	4	0.12	
LAWE	HE	100.0	IAML			15:40	07.27	3	0.17	
ESK	HZ	111.0	EP			15:39	54.37			0.23
ESK	HN	111.0	ES			15:40	07.15			-0.44
ESK	HN	111.0	IAML			15:40	10.24	4	0.17	
ESK	HE	111.0	IAML			15:40	10.61	4	0.22	
NEWG	HZ	130.0	EP			15:39	57.27			0.17
NEWG	HN	130.0	IAML			15:40	15.05	2	0.10	
NEWG	HE	130.0	IAML			15:40	15.67	3	0.14	
MCD	HZ	151.0	EP			15:40	00.97			0.87
MCD	HN	151.0	IAML			15:40	19.81	3	0.21	
MCD	HE	151.0	IAML			15:40	19.87	2	0.31	

TABLE 2 : PHASE DATA

October 17 2020 Time: 19:00 35.5 UTC Magnitude: 0.4 ML
Lat: 56.300 Lon: -3.777 Depth: 11.9 km
Grid Ref: 290.05 kmE 713.36 kmN RMS: 0.40 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	21.8	EP			19:00	39.73			-0.22
INVG	HN	21.8	ES			19:00	43.13			-0.03
INVG	HN	21.8	IAML			19:00	43.33	1	0.08	
INVG	HE	21.8	IAML			19:00	45.84	1	0.29	
EAB	HZ	36.9	IP		C	19:00	41.96			-0.26
EAB	HN	36.9	ES			19:00	46.76			-0.33
EAB	HN	36.9	IAML			19:00	47.25	3	0.17	
EAB	HE	36.9	IAML			19:00	47.26	2	0.13	
EDI	HZ	55.7	EP			19:00	45.51			0.43
EDI	HE	55.7	IAML			19:00	55.63	3	0.04	
EDI	HN	55.7	IAML			19:00	55.66	4	0.03	
PGB1	HZ	70.0	EP			19:00	47.32			0.02
LAWE	HZ	101.0	EP			19:00	52.60			0.58
LAWE	HN	101.0	ES			19:01	04.22			0.17
LAWE	HE	101.0	IAML			19:01	06.90	2	0.17	
LAWE	HN	101.0	IAML			19:01	07.16	2	0.07	
DRUM	HZ	105.0	EP			19:00	52.58			-0.02
DRUM	HE	105.0	ES			19:01	04.85			-0.21
DRUM	HE	105.0	IAML			19:01	06.77	4	0.13	
DRUM	HN	105.0	IAML			19:01	08.81	2	0.18	
ESK	HZ	115.0	EP			19:00	54.62			0.48
ESK	HE	115.0	ES			19:01	06.95			-0.76
ESK	HE	115.0	IAML			19:01	09.23	2	0.22	
ESK	HN	115.0	IAML			19:01	10.01	2	0.19	
NEWG	HZ	135.0	EP			19:00	57.06			0.16
NEWG	HN	135.0	IAML			19:01	14.70	1	0.12	
NEWG	HE	135.0	IAML			19:01	14.78	1	0.11	

October 18 2020 Time: 09:50 34.0 UTC Magnitude: 0.9 ML
Lat: 56.270 Lon: -3.758 Depth: 4.2 km
Grid Ref: 291.14 kmE 709.99 kmN RMS: 0.30 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	24.9	IP		C	09:50	38.67			-0.07
INVG	HN	24.9	ES			09:50	42.10			-0.10
INVG	HN	24.9	IAML			09:50	44.21	5	0.24	
INVG	HE	24.9	IAML			09:50	44.31	4	0.22	
EAB	HZ	37.0	IP		C	09:50	40.84			0.05
EAB	HN	37.0	ES			09:50	45.63			-0.13
EAB	HE	37.0	IAML			09:50	47.31	6	0.14	
EAB	HN	37.0	IAML			09:50	47.39	7	0.08	
EDI	HZ	52.5	EP			09:50	43.19			-0.03
EDI	HN	52.5	ES			09:50	49.64			-0.32
EDI	HN	52.5	IAML			09:50	49.86	5	0.13	
EDI	HE	52.5	IAML			09:50	51.91	7	0.26	
PGB1	HZ	68.2	EP			09:50	45.59			-0.08
PGB1	HE	68.2	IAML			09:50	56.56	10	0.45	
PGB1	HN	68.2	IAML			09:50	58.08	8	0.23	
LAWE	HZ	102.0	EP			09:50	51.14			0.29
LAWE	HE	102.0	ES			09:51	02.95			-0.21
LAWE	HN	102.0	IAML			09:51	05.75	8	0.15	
LAWE	HE	102.0	IAML			09:51	06.00	5	0.14	
DRUM	HZ	106.0	EP			09:50	51.18			-0.35
DRUM	HE	106.0	IAML			09:51	05.58	17	0.23	
DRUM	HN	106.0	IAML			09:51	05.77	10	0.22	
ESK	HZ	112.0	EP			09:50	53.35			0.92
ESK	HE	112.0	ES			09:51	05.60			-0.29
ESK	HN	112.0	IAML			09:51	08.87	6	0.21	
ESK	HE	112.0	IAML			09:51	09.13	7	0.21	
NEWG	HZ	132.0	EP			09:50	55.81			0.32
NEWG	HN	132.0	IAML			09:51	13.57	3	0.13	
NEWG	HE	132.0	IAML			09:51	14.10	4	0.14	
MCD	HZ	149.0	EP			09:50	58.83			0.79
MCD	HN	149.0	ES			09:51	15.88			0.29
MCD	HN	149.0	IAML			09:51	18.32	4	0.37	
MCD	HE	149.0	IAML			09:51	18.97	5	0.36	

October 18 2020 Time: 10:14 48.5 UTC Magnitude: 0.8 ML
Lat: 56.271 Lon: -3.751 Depth: 2.5 km
Grid Ref: 291.58 kmE 710.09 kmN RMS: 0.30 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT BLACKFORD Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	25.1	IP		C	10:14	53.22			-0.04
INVG	HE	25.1	ES			10:14	56.41			-0.34
INVG	HN	25.1	IAML			10:14	56.81	5	0.06	
INVG	HE	25.1	IAML			10:14	56.85	4	0.18	
EAB	HZ	37.5	IP		C	10:14	55.40			0.04
EAB	HN	37.5	ES			10:15	00.41			0.02
EAB	HN	37.5	IAML			10:15	01.96	5	0.11	
EAB	HE	37.5	IAML			10:15	03.30	5	0.16	
EDI	HZ	52.2	EP			10:14	57.72			-0.07
EDI	HE	52.2	ES			10:15	04.25			-0.34
EDI	HN	52.2	IAML			10:15	04.36	4	0.31	
EDI	HE	52.2	IAML			10:15	04.65	4	0.11	
PGB1	HZ	68.6	EP			10:15	00.18			-0.17
PGB1	HE	68.6	IAML			10:15	12.75	7	0.34	
PGB1	HN	68.6	IAML			10:15	13.52	10	0.41	
LAWE	HZ	102.0	EP			10:15	05.55			0.01
LAWE	HN	102.0	ES			10:15	18.13			0.15
LAWE	HN	102.0	IAML			10:15	20.28	7	0.10	
LAWE	HE	102.0	IAML			10:15	20.33	4	0.11	
ESK	HZ	112.0	EP			10:15	07.92			0.89
ESK	HE	112.0	ES			10:15	20.46			-0.11
ESK	HN	112.0	IAML			10:15	23.45	4	0.21	
ESK	HE	112.0	IAML			10:15	23.73	5	0.24	
NEWG	HZ	132.0	EP			10:15	10.39			0.23
NEWG	HN	132.0	ES			10:15	25.53			-0.45
NEWG	HN	132.0	IAML			10:15	28.15	3	0.18	
NEWG	HE	132.0	IAML			10:15	28.76	3	0.17	
MCD	HZ	149.0	EP			10:15	13.34			0.68
MCD	HN	149.0	IAML			10:15	32.05	3	0.20	
MCD	HE	149.0	IAML			10:15	32.15	3	0.05	
GAL1	HZ	168.0	EP			10:15	16.02			0.75

October 19 2020 Time: 07:46 51.6 UTC Magnitude: 0.6 ML
Lat: 56.290 Lon: -3.752 Depth: 7.4 km
Grid Ref: 291.57 kmE 712.21 kmN RMS: 0.20 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	23.6	EP			07:46	56.27			0.09
INVG	HN	23.6	ES			07:46	59.61			0.10
INVG	HN	23.6	IAML			07:46	59.75	3	0.10	
INVG	HE	23.6	IAML			07:46	59.80	2	0.09	
EAB	HZ	38.0	EP			07:46	58.36			-0.05
EAB	HN	38.0	ES			07:47	03.04			-0.33
EAB	HN	38.0	IAML			07:47	03.63	4	0.15	
EAB	HE	38.0	IAML			07:47	03.90	3	0.11	
LAWE	HZ	102.0	EP			07:47	08.33			0.01
LAWE	HN	102.0	ES			07:47	20.70			0.19
LAWE	HN	102.0	IAML			07:47	23.24	4	0.15	
LAWE	HE	102.0	IAML			07:47	23.28	3	0.12	
DRUM	HZ	104.0	EP			07:47	08.80			0.16
DRUM	HN	104.0	ES			07:47	20.82			-0.26
DRUM	HE	104.0	IAML			07:47	22.99	8	0.22	
DRUM	HN	104.0	IAML			07:47	23.21	4	0.19	
ESK	HE	114.0	ES			07:47	23.91			0.24
ESK	HE	114.0	IAML			07:47	26.14	3	0.23	
ESK	HN	114.0	IAML			07:47	26.39	3	0.21	
NEWG	HN	134.0	ES			07:47	28.66			-0.20
NEWG	HN	134.0	IAML			07:47	31.07	2	0.12	
NEWG	HE	134.0	IAML			07:47	31.08	2	0.15	

October 19 2020 Time: 09:16 34.3 UTC Magnitude: 0.5 ML
Lat: 56.279 Lon: -3.792 Depth: 2.5 km
Grid Ref: 289.06 kmE 711.05 kmN RMS: 0.10 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	22.7	EP			09:16	38.54			-0.13
INVG	HN	22.7	ES			09:16	41.90			0.04
INVG	HN	22.7	IAML			09:16	42.13	3	0.10	
INVG	HE	22.7	IAML			09:16	43.37	2	0.10	
EAB	HZ	35.3	EP			09:16	40.73			-0.07
EAB	HE	35.3	ES			09:16	45.47			-0.07
EAB	HN	35.3	IAML			09:16	46.02	5	0.15	
EAB	HE	35.3	IAML			09:16	46.83	4	0.33	
LAWE	HZ	99.6	EP			09:16	51.20			0.24
LAWE	HE	99.6	IAML			09:17	05.68	2	0.30	
LAWE	HN	99.6	IAML			09:17	05.99	4	0.17	
DRUM	HE	107.0	ES			09:17	05.09			0.00
DRUM	HE	107.0	IAML			09:17	05.37	8	0.22	
DRUM	HN	107.0	IAML			09:17	05.66	5	0.32	

October 21 2020 Time: 02:49 34.5 UTC Magnitude: 2.5 ML
Lat: 53.352 Lon: -0.566 Depth: 24.0 km
Grid Ref: 495.44 kmE 384.89 kmN RMS: 0.40 secs
Locality: SCAMPTON,LINCOLNSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT NORTH HYKEHAM... Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LMK	HZ	19.8	IP		C	02:49	40.28			-0.12
LMK	HN	19.8	ES			02:49	44.42			-0.30
LMK	HE	19.8	IAML			02:49	45.13	745	0.19	
LMK	HN	19.8	IAML			02:49	45.56	697	0.11	
AU05	HZ	60.1	EP			02:49	45.23			0.13
AU05	HN	60.1	ES			02:49	52.85			0.01
AU05	HN	60.1	IAML			02:49	53.61	682	0.11	
AU05	HE	60.1	IAML			02:49	53.91	586	0.30	
STBN	CZ	73.2	EP			02:49	47.03			0.15
STBN	CN	73.2	ES			02:49	56.38			0.46
STBN	CN	73.2	IAML			02:49	56.65	198	0.13	
STBN	CE	73.2	IAML			02:49	57.23	228	0.17	
LBWR	HZ	77.3	EP			02:49	47.32			-0.19
LBWR	HE	77.3	ES			02:49	56.97			-0.04
LBWR	HN	77.3	IAML			02:49	58.67	384	0.08	
LBWR	HE	77.3	IAML			02:49	58.78	351	0.10	
CWF	HZ	84.4	EP			02:49	47.90			-0.56
CWF	HE	84.4	ES			02:49	58.58			-0.08

TABLE 2 : PHASE DATA

CWF	HN	84.4	IAML		02:49	59.66	87	0.08	
CWF	HE	84.4	IAML		02:50	00.98	76	0.08	
AU08	HZ	86.2	EP		02:49	48.46			-0.24
AU08	HE	86.2	IAML		02:50	00.36	196	0.24	
AU08	HN	86.2	IAML		02:50	00.89	211	0.15	
AU07	HZ	88.5	IP	C	02:49	49.54			0.53
AU07	HN	88.5	ES		02:50	00.39			0.78
AU07	HE	88.5	IAML		02:50	01.20	505	0.26	
AU07	HN	88.5	IAML		02:50	01.96	329	0.34	
AV06	HZ	90.5	EP		02:49	49.29			0.01
AV06	HE	90.5	ES		02:49	59.77			-0.30
AV06	HE	90.5	IAML		02:50	01.57	217	0.17	
AV06	HN	90.5	IAML		02:50	02.00	200	0.22	
HPK	HZ	97.2	EP		02:49	50.48			0.35
HPK	HE	97.2	ES		02:50	01.07			-0.48
HPK	HE	97.2	IAML		02:50	03.31	181	0.18	
HPK	HN	97.2	IAML		02:50	03.52	118	0.29	
WACR	HZ	106.0	EP		02:49	50.84			-0.38
WACR	HN	106.0	ES		02:50	04.01			0.58
WACR	HE	106.0	IAML		02:50	05.32	75	0.11	
WACR	HN	106.0	IAML		02:50	06.04	108	0.12	
STNC	HZ	113.0	EP		02:49	51.96			-0.18
STNC	HE	113.0	IAML		02:50	08.14	52	0.17	
STNC	HN	113.0	IAML		02:50	08.35	41	0.28	
GDLE	HZ	120.0	EP		02:49	52.72			-0.29
GDLE	HE	120.0	IAML		02:50	09.38	117	0.14	
GDLE	HN	120.0	IAML		02:50	09.39	176	0.18	
ELMS	HZ	175.0	EP		02:50	00.26			0.44
HLM1	HZ	181.0	EP		02:50	00.56			-0.10
HLM1	HN	181.0	IAML		02:50	33.41	17	0.25	
HLM1	HE	181.0	IAML		02:50	34.13	18	0.36	
BRAD	CZ	205.0	EP		02:50	03.30			-0.28
BRAD	CE	205.0	IAML		02:50	40.03	19	0.34	
BRAD	CN	205.0	IAML		02:50	40.17	20	0.41	
KESW	HZ	216.0	EP		02:50	04.72			-0.28
KESW	HE	216.0	IAML		02:50	39.57	17	0.46	
KESW	HN	216.0	IAML		02:50	39.89	19	0.31	
MONM	HZ	227.0	EP		02:50	05.90			-0.37

October 24 2020 Time: 12:58 06.9 UTC Magnitude: 2.0 ML
Lat: 55.097 Lon: -3.754 Depth: 11.4 km
Grid Ref: 288.09 kmE 579.48 kmN RMS: 0.30 secs
Locality: DUMFRIES,D & G
Velocity model: Lownet Xnear: 100.0 Xfar: 300.0
Comment: FELT DUMFRIES... Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
NEWG	HZ	30.4	IP		C	12:58	12.77			0.20
NEWG	HN	30.4	ES			12:58	16.49			-0.21
NEWG	HE	30.4	IAML			12:58	16.92	447	0.10	
NEWG	HN	30.4	IAML			12:58	17.12	346	0.12	
ESK	HZ	42.7	IP		C	12:58	14.32			-0.14
ESK	HN	42.7	ES			12:58	19.29			-0.68
ESK	HE	42.7	IAML			12:58	20.38	112	0.18	
ESK	HN	42.7	IAML			12:58	22.21	65	0.18	
EKA	BZ	46.1	IP		C	12:58	14.82			-0.19
GAL1	HZ	66.4	IP		C	12:58	18.13			0.03
GAL1	HN	66.4	ES			12:58	25.95			-0.31
GAL1	HE	66.4	IAML			12:58	28.76	53	0.23	
GAL1	HN	66.4	IAML			12:58	28.83	121	0.16	
KESW	HZ	70.3	EP			12:58	19.09			0.36
KESW	HN	70.3	ES			12:58	27.65			0.30
KESW	HE	70.3	IAML			12:58	29.51	44	0.24	
KESW	HN	70.3	IAML			12:58	29.75	66	0.33	
SPK	EZ	75.6	EP			12:58	19.95			0.45
SPK	EE	75.6	ES			12:58	28.71			0.02
THP	EZ	77.5	EP	9		12:58	15.88			-3.93
THP	EE	77.5	ES			12:58	24.18			-1.11
PGB1	HZ	92.0	EP			12:58	22.40			0.33
PGB1	HN	92.0	IAML			12:58	35.23	96	0.32	
PGB1	HE	92.0	IAML			12:58	35.94	67	0.19	
EDI	HZ	98.7	EP			12:58	23.43			0.33
EDI	HE	98.7	ES			12:58	34.97			0.05
EDI	HN	98.7	IAML			12:58	37.05	137	0.26	
EDI	HE	98.7	IAML			12:58	37.31	138	0.40	
IOMK	HZ	107.0	EP			12:58	24.08			-0.24
IOMK	HE	107.0	IAML			12:58	38.57	10	0.14	
IOMK	HN	107.0	IAML			12:58	38.80	19	0.11	
EDMD	HZ	119.0	EP			12:58	25.71			-0.25
EDMD	HN	119.0	IAML			12:58	41.24	160	0.42	
EDMD	HE	119.0	IAML			12:58	41.35	224	0.26	
CLGH	HZ	150.0	EP			12:58	30.00			-0.57
CLGH	HN	150.0	IAML			12:58	42.33	5	0.20	
CLGH	HE	150.0	IAML			12:58	46.17	8	0.20	
LAWE	HZ	166.0	EP			12:58	33.11			0.48
LAWE	HE	166.0	IAML			12:58	53.79	14	0.17	
LAWE	HN	166.0	IAML			12:58	54.36	11	0.28	
DSB	HZ	268.0	EP			12:58	44.55			-0.81
DSB	HE	268.0	IAML			12:59	13.05	3	0.20	
DSB	HN	268.0	IAML			12:59	25.00	6	0.44	

October 24 2020 Time: 21:23 12.6 UTC Magnitude: 1.5 ML
Lat: 54.673 Lon: -2.105 Depth: 6.6 km
Grid Ref: 393.23 kmE 530.90 kmN RMS: 0.30 secs
Locality: NEWBIGGIN,COUNTY DURHAM
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
EDMD	HZ	19.9	IP		C	21:23	16.39			-0.15
EDMD	HN	19.9	ES			21:23	19.04			-0.36
EDMD	HE	19.9	IAML			21:23	19.36	285	0.19	
EDMD	HN	19.9	IAML			21:23	19.43	90	0.18	
AS07	HZ	47.9	IP		D	21:23	21.02			-0.02
AS07	HE	47.9	ES			21:23	26.81			-0.37
AS07	HN	47.9	IAML			21:23	27.13	44	0.13	
AS07	HE	47.9	IAML			21:23	27.36	28	0.15	
AQ12	HZ	49.4	IP		C	21:23	21.17			-0.09
AQ12	HE	49.4	ES			21:23	27.35			-0.22
AQ12	HN	49.4	IAML			21:23	27.85	31	0.12	
AQ12	HE	49.4	IAML			21:23	29.93	30	0.07	
AR09	HZ	54.3	IP		C	21:23	22.09			0.04
AR09	HE	54.3	ES			21:23	28.66			-0.26
AR09	HN	54.3	IAML			21:23	29.55	126	0.10	
AR09	HE	54.3	IAML			21:23	29.60	78	0.09	
KESW	HZ	65.2	EP			21:23	23.80			0.10
KESW	HN	65.2	ES			21:23	31.65			-0.14
KESW	HN	65.2	IAML			21:23	32.08	6	0.27	
KESW	HE	65.2	IAML			21:23	32.10	10	0.28	
AT10	HZ	68.9	EP			21:23	24.49			0.21
AT10	HN	68.9	ES			21:23	32.83			0.04
AT10	HE	68.9	IAML			21:23	34.04	14	0.20	
AT10	HN	68.9	IAML			21:23	36.03	24	0.26	
AR05	HZ	76.1	EP			21:23	25.61			0.23
AR05	HE	76.1	ES			21:23	34.72			0.03
AR05	HN	76.1	IAML			21:23	35.13	92	0.12	
AR05	HE	76.1	IAML			21:23	35.20	49	0.31	
GDLE	HZ	88.0	EP			21:23	27.64			0.42
GDLE	HN	88.0	ES			21:23	37.53			-0.34
GDLE	HE	88.0	IAML			21:23	38.87	34	0.23	
GDLE	HN	88.0	IAML			21:23	39.04	40	0.29	
EKA	BZ	99.8	EP			21:23	29.26			0.19
ESK	HZ	100.0	IP		C	21:23	29.39			0.23
ESK	HN	100.0	ES			21:23	41.13			-0.10
ESK	HN	100.0	IAML			21:23	41.59	9	0.14	
ESK	HE	100.0	IAML			21:23	41.69	9	0.21	
AR01	HE	109.0	IAML			21:23	44.97	13	0.17	
AR01	HN	109.0	IAML			21:23	45.15	26	0.37	
AS02	HZ	125.0	EP			21:23	33.62			0.70
AS02	HN	125.0	IAML			21:23	49.28	13	0.20	
AS02	HE	125.0	IAML			21:23	49.82	16	0.18	
NEWG	HZ	145.0	EP			21:23	36.18			0.37
IOMK	HZ	166.0	EP			21:23	39.32			0.51

October 26 2020 Time: 05:35 48.7 UTC Magnitude: 0.9 ML
Lat: 55.422 Lon: -3.419 Depth: 8.3 km
Grid Ref: 310.20 kmE 615.15 kmN RMS: 0.20 secs
Locality: GLENBRECK,BORDERS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ESK	HZ	17.9	IP		D	05:35	52.60			0.20
ESK	HE	17.9	ES		C	05:35	55.09			0.00
ESK	HN	17.9	IAML			05:35	55.31	64	0.12	
ESK	HE	17.9	IAML			05:35	55.32	46	0.13	
EKA	BZ	19.2	EP			05:35	52.73			0.11
EKA	BZ	19.2	ES			05:35	55.29			-0.18
EDI	HZ	57.7	EP			05:35	58.74			0.21
EDI	HE	57.7	ES			05:36	05.47			-0.22
EDI	HE	57.7	IAML			05:36	06.46	6	0.24	
EDI	HN	57.7	IAML			05:36	06.60	6	0.33	
NEWG	HZ	61.7	EP			05:35	58.81			-0.35
NEWG	HE	61.7	ES			05:36	06.60			-0.18
NEWG	HE	61.7	IAML			05:36	07.59	3	0.19	
NEWG	HN	61.7	IAML			05:36	07.71	4	0.11	
PGB1	HN	79.9	ES			05:36	11.75			0.09
PGB1	HE	79.9	IAML			05:36	14.16	16	0.14	
PGB1	HN	79.9	IAML			05:36	14.19	21	0.18	
GAL1	HZ	103.0	EP			05:36	05.55			-0.01
GAL1	HN	103.0	IAML			05:36	18.70	5	0.14	
EAB	HZ	103.0	EP			05:36	05.79			0.21
EAB	HE	103.0	ES			05:36	17.74			-0.14
GAL1	HE	103.0	IAML			05:36	19.55	4	0.27	
EAB	HN	103.0	IAML			05:36	19.23	3	0.09	
GAL1	HE	103.0	ES			05:36	18.11			0.26
EAB	HE	103.0	IAML			05:36	18.63	2	0.17	
INVG	HZ	119.0	EP			05:36	08.00			0.01
INVG	HN	119.0	IAML			05:36	23.05	1	0.33	
INVG	HE	119.0	IAML			05:36	23.05	2	0.32	

October 27 2020 Time: 00:12 51.1 UTC Magnitude: 0.7 ML
Lat: 54.190 Lon: -2.158 Depth: 5.9 km
Grid Ref: 389.69 kmE 477.17 kmN RMS: 0.20 secs
Locality: BUCKDEN,N YORKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AS07	HZ	16.0	EP			00:12	54.34			-0.05
AS07	HN	16.0	ES			00:12	56.60			-0.21
AS07	HN	16.0	IAML			00:12	56.66	18	0.10	
AS07	HE	16.0	IAML			00:12	56.68	22	0.10	
AR09	HZ	18.8	EP			00:12	54.97			0.10
AR09	HN	18.8	ES			00:12	57.56			-0.09

TABLE 2 : PHASE DATA

AR09	HE	18.8	IAML	00:12	57.73	62	0.10	
AR09	HN	18.8	IAML	00:12	57.77	70	0.11	
AR05	HZ	24.0	EP	00:12	55.78			0.09
AR05	HN	24.0	ES	00:12	59.06			0.00
AR05	HN	24.0	IAML	00:12	59.27	9	0.21	
AR05	HE	24.0	IAML	00:13	00.11	5	0.20	
AR07	HZ	29.2	EP	00:12	56.66			0.10
AR07	HN	29.2	ES	00:13	00.44			-0.13
AR07	HN	29.2	IAML	00:13	00.63	19	0.18	
AR07	HE	29.2	IAML	00:13	00.64	22	0.26	
HPK	HN	43.4	ES	00:13	04.31			-0.14
HPK	HN	43.4	IAML	00:13	04.57	16	0.18	
HPK	HE	43.4	IAML	00:13	04.66	11	0.24	
AS10	HE	45.6	ES	00:13	05.21			0.21
AS10	HE	45.6	IAML	00:13	05.39	20	0.18	
AS10	HN	45.6	IAML	00:13	05.70	8	0.23	
AQ12	HZ	47.4	EP	00:12	59.48			0.03
AQ12	HN	47.4	ES	00:13	05.06			-0.50
AQ12	HN	47.4	IAML	00:13	05.77	3	0.08	
AQ12	HE	47.4	IAML	00:13	09.66	4	0.10	
EDMD	HE	72.5	ES	00:13	12.10			-0.06
EDMD	HN	72.5	IAML	00:13	12.36	4	0.24	
EDMD	HE	72.5	IAML	00:13	13.81	3	0.12	
AP12	HZ	73.5	EP	00:13	03.77			0.31
AP12	HN	73.5	ES	00:13	12.33			-0.17
AP12	HN	73.5	IAML	00:13	12.79	2	0.12	
AP12	HE	73.5	IAML	00:13	14.85	2	0.16	
KESW	HZ	75.8	EP	00:13	04.36			0.53
KESW	HN	75.8	IAML	00:13	14.41	3	0.18	
KESW	HE	75.8	IAML	00:13	14.83	4	0.20	

October 27 2020 Time: 18:53 40.3 UTC Magnitude: 0.9 ML
Lat: 52.397 Lon: -1.884 Depth: 7.9 km
Grid Ref: 407.89 kmE 277.71 kmN RMS: 0.30 secs
Locality: HOLLYWOOD,WORCS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CWF	HZ	54.5	EP			18:53	49.46			-0.15
CWF	HE	54.5	ES			18:53	55.99			-0.43
CWF	HN	54.5	IAML			18:53	56.27	6	0.26	
CWF	HE	54.5	IAML			18:53	59.96	6	0.08	
HLM1	HZ	69.1	EP			18:53	52.00			0.08
HLM1	HN	69.1	ES			18:54	00.18			-0.23
HLM1	HE	69.1	IAML			18:54	00.38	4	0.23	
HLM1	HN	69.1	IAML			18:54	00.50	4	0.24	
STRD	HZ	71.7	EP			18:53	52.48			0.20
STRD	HN	71.7	ES			18:54	00.98			-0.06
STRD	HN	71.7	IAML			18:54	02.06	9	0.14	
STRD	HE	71.7	IAML			18:54	02.63	13	0.29	
MCH1	HZ	88.2	EP			18:53	54.86			0.01
MCH1	HN	88.2	ES			18:54	05.20			-0.28
MCH1	HN	88.2	IAML			18:54	07.39	2	0.21	
MCH1	HE	88.2	IAML			18:54	09.83	3	0.17	
MONM	HZ	88.5	EP			18:53	54.93			0.06
MONM	HE	88.5	ES			18:54	05.61			0.10
MONM	HN	88.5	IAML			18:54	05.94	6	0.14	
MONM	HE	88.5	IAML			18:54	06.05	5	0.18	
LBWR	HZ	112.0	EP			18:53	59.51			0.91
LBWR	HN	112.0	IAML			18:54	13.59	6	0.14	
LBWR	HE	112.0	IAML			18:54	15.36	10	0.24	

October 30 2020 Time: 18:26 32.5 UTC Magnitude: 0.5 ML
Lat: 56.291 Lon: -3.748 Depth: 7.1 km
Grid Ref: 291.82 kmE 712.31 kmN RMS: 0.30 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	23.8	EP			18:26	37.07			-0.03
INVG	HN	23.8	ES			18:26	40.48			0.03
INVG	HN	23.8	IAML			18:26	40.59	2	0.06	
INVG	HE	23.8	IAML			18:26	41.40	1	0.07	
EAB	HZ	38.3	EP			18:26	39.17			-0.17
EAB	HN	38.3	ES			18:26	43.94			-0.39
EAB	HN	38.3	IAML			18:26	44.45	4	0.14	
EAB	HE	38.3	IAML			18:26	44.75	3	0.18	
EDI	HN	53.7	ES			18:26	48.05			-0.37
EDI	HN	53.7	IAML			18:26	48.14	3	0.17	
EDI	HE	53.7	IAML			18:26	48.36	4	0.30	
LAWE	HZ	102.0	EP			18:26	49.67			0.43
LAWE	HN	102.0	ES			18:27	01.39			-0.07
LAWE	HN	102.0	IAML			18:27	04.07	2	0.16	
LAWE	HE	102.0	IAML			18:27	04.26	2	0.28	
DRUM	HE	104.0	ES			18:27	01.67			-0.23
DRUM	HE	104.0	IAML			18:27	03.84	6	0.22	
DRUM	HN	104.0	IAML			18:27	04.11	3	0.16	
EKA	BZ	113.0	EP			18:26	51.38			0.47
ESK	HZ	114.0	EP			18:26	51.42			0.40
ESK	HN	114.0	ES			18:27	04.40			-0.14
ESK	HN	114.0	IAML			18:27	07.06	3	0.22	
ESK	HE	114.0	IAML			18:27	07.34	3	0.24	
NEWG	HZ	134.0	EP			18:26	54.29			0.33
NEWG	HE	134.0	ES			18:27	09.35			-0.27
NEWG	HE	134.0	IAML			18:27	11.45	1	0.24	
NEWG	HN	134.0	IAML			18:27	11.57	1	0.13	

November 3 2020 Time: 22:20 54.5 UTC Magnitude: 2.7 ML
Lat: 58.165 Lon: 1.093 Depth: 26.9 km
Grid Ref: 581.93 kmE 923.71 kmN RMS: 0.40 secs
Locality: CENTRAL NORTH SEA
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0
Comment: 220KM NE ABERDEEN

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LRW	HZ	255.0	EP			22:21	30.76			0.59
LRW	HN	255.0	ES			22:21	56.31			0.13
LRW	HN	255.0	IAML			22:21	58.54	28	0.09	
LRW	HE	255.0	IAML			22:22	06.92	44	0.42	
DRUM	HZ	256.0	EP			22:21	30.78			0.51
DRUM	HE	256.0	ES			22:21	56.66			0.31
DRUM	HE	256.0	IAML			22:21	59.60	42	0.11	
DRUM	HN	256.0	IAML			22:21	59.62	42	0.14	
MCD	HZ	266.0	EP			22:21	31.84			0.27
MCD	HN	266.0	ES			22:21	58.60			0.00
MCD	HE	266.0	IAML			22:22	10.79	27	0.19	
MCD	HN	266.0	IAML			22:22	10.87	26	0.24	
BIGH	HZ	295.0	EP			22:21	35.15			-0.05
BIGH	HN	295.0	IAML			22:22	05.59	26	0.14	
BIGH	HE	295.0	IAML			22:22	06.75	21	0.12	
BER	HZ	346.0	EP			22:21	41.86			0.37
BER	HE	346.0	ES			22:22	15.32			-0.44
BER	HE	346.0	IAML			22:22	17.99	5	0.23	
BER	HN	346.0	IAML			22:22	19.79	3	0.05	
EDI	HZ	360.0	EP			22:21	43.94			0.62
EDI	HE	360.0	IAML			22:22	21.23	17	0.30	
EDI	HN	360.0	IAML			22:22	21.87	17	0.13	
INVG	HZ	365.0	EP			22:21	43.75			-0.21
INVG	HN	365.0	IAML			22:22	22.91	13	0.28	
INVG	HE	365.0	IAML			22:22	23.72	13	0.10	
LINV	HZ	370.0	EP			22:21	43.79			-0.76
LINV	HN	370.0	IAML			22:22	21.96	15	0.12	
LINV	HE	370.0	IAML			22:22	22.12	16	0.10	
EAB	HZ	395.0	EP			22:21	47.54			-0.18
EAB	HE	395.0	IAML			22:22	29.15	15	0.12	
EAB	HN	395.0	IAML			22:22	29.16	19	0.28	
ESK	HZ	412.0	EP			22:21	49.45			-0.36
ESK	HN	412.0	IAML			22:22	33.66	8	0.14	
ESK	HE	412.0	IAML			22:22	34.72	14	0.14	
EDMD	HZ	416.0	EP			22:21	50.25			-0.03
AT10	HZ	445.0	EP			22:21	54.48			0.48
AT10	HN	445.0	IAML			22:22	39.93	22	0.36	
AT10	HE	445.0	IAML			22:22	44.06	15	0.30	
LAWE	HZ	446.0	EP			22:21	52.89			-1.12
LAWE	HN	446.0	IAML			22:22	38.23	25	0.18	
LAWE	HE	446.0	IAML			22:22	39.63	34	0.14	
AS07	HZ	474.0	EP			22:21	57.55			-0.09
AS07	HE	474.0	IAML			22:22	48.38	10	0.36	
AS07	HN	474.0	IAML			22:22	49.10	16	0.44	
AR05	HZ	503.0	EP			22:22	01.20			-0.04

November 5 2020 Time: 03:26 16.7 UTC Magnitude: 1.2 ML
Lat: 53.733 Lon: -2.013 Depth: 2.5 km
Grid Ref: 399.14 kmE 426.31 kmN RMS: 0.50 secs
Locality: HEBDEN BRIDGE,W YORKS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AR01	HZ	22.2	EP			03:26	20.82			-0.13
AR01	HE	22.2	ES			03:26	23.79			-0.28
AR01	HN	22.2	IAML			03:26	24.19	57	0.11	
AR01	HE	22.2	IAML			03:26	24.19	70	0.20	
AR05	HZ	28.7	IP		D	03:26	21.70			-0.36
AR05	HE	28.7	ES			03:26	25.29			-0.71
AR05	HN	28.7	IAML			03:26	25.56	33	0.12	
AR05	HE	28.7	IAML			03:26	25.59	36	0.13	
LBWR	HZ	41.5	IP		D	03:26	24.02			-0.23
LBWR	HE	41.5	ES			03:26	29.35			-0.43
LBWR	HN	41.5	IAML			03:26	30.38	48	0.11	
LBWR	HE	41.5	IAML			03:26	30.98	63	0.22	
AQ12	HZ	92.1	EP			03:26	32.18			-0.04
AQ12	HE	92.1	IAML			03:26	43.88	10	0.04	
AQ12	HN	92.1	IAML			03:26	44.09	6	0.10	
GDLE	HZ	110.0	EP			03:26	35.81			0.90
GDLE	HE	110.0	IAML			03:26	51.13	13	0.21	
GDLE	HN	110.0	IAML			03:26	52.36	16	0.18	
KESW	HZ	119.0	EP			03:26	37.09			0.72
KESW	HN	119.0	ES			03:26	50.84			0.09
KESW	HN	119.0	IAML			03:26	51.57	5	0.39	
KESW	HE	119.0	IAML			03:26	52.08	7	0.21	
CWF	HZ	120.0	EP			03:26	36.60			0.05
CWF	HN	120.0	ES			03:26	51.04			-0.02
CWF	HN	120.0	IAML			03:26	52.71	2	0.06	
CWF	HE	120.0	IAML			03:26	53.89	2	0.14	
EDMD	HZ	122.0	EP			03:26	37.31			0.48
FOEL	HZ	123.0	EP			03:26	37.70			0.72
HLM1	HZ	147.0	EP			03:26	41.24			0.66

November 7 2020 Time: 03:23 24.4 UTC Magnitude: 1.3 ML
Lat: 53.031 Lon: -2.136 Depth: 2.8 km
Grid Ref: 390.88 kmE 348.23 kmN RMS: 0.50 secs
Locality: STOKE-ON-TRENT,STAFFS

TABLE 2 : PHASE DATA

Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
STNC	HZ	8.2	IP		D	03:23	26.16			-0.10
STNC	HN	8.2	ES			03:23	27.27			-0.38
STNC	HN	8.2	IAML			03:23	27.47	1619	0.12	
STNC	HE	8.2	IAML			03:23	27.61	3343	0.22	
LBWR	HZ	49.5	IP		D	03:23	33.41			0.12
LBWR	HN	49.5	ES			03:23	39.32			-0.47
LBWR	HN	49.5	IAML			03:23	39.85	28	0.20	
LBWR	HE	49.5	IAML			03:23	40.41	34	0.30	
AS02	HZ	59.0	IP		D	03:23	35.00			0.25
AS02	HE	59.0	ES			03:23	42.34			0.01
AS02	HN	59.0	IAML			03:23	43.11	20	0.27	
AS02	HE	59.0	IAML			03:23	43.77	22	0.36	
CWF	HZ	64.6	IP		D	03:23	35.40			-0.19
CWF	HE	64.6	ES			03:23	43.82			0.04
CWF	HN	64.6	IAML			03:23	44.67	10	0.12	
CWF	HE	64.6	IAML			03:23	44.82	11	0.29	
FOEL	HZ	73.2	IP		D	03:23	37.40			0.43
AR01	HZ	75.9	EP			03:23	37.57			0.21
AR01	HN	75.9	ES			03:23	46.87			0.02
AR01	HN	75.9	IAML			03:23	47.91	9	0.16	
AR01	HE	75.9	IAML			03:23	52.08	10	0.14	
HLM1	HZ	76.0	EP			03:23	37.74			0.33
HLM1	HE	76.0	ES			03:23	45.98			-0.95
HLM1	HN	76.0	IAML			03:23	50.28	4	0.12	
HLM1	HE	76.0	IAML			03:23	51.06	10	0.34	
MONM	HZ	140.0	EP			03:23	48.32			1.12
WLF1	HZ	154.0	EP			03:23	49.74			0.60
WPS	HZ	163.0	EP			03:23	51.38			0.93
GDLE	HZ	178.0	EP			03:23	52.98			0.50
EDMD	HZ	201.0	EP			03:23	55.32			0.01

November 7 2020 Time: 08:01 39.1 UTC Magnitude: 1.3 ML
Lat: 54.239 Lon: -0.162 Depth: 4.6 km
Grid Ref: 519.77 kmE 484.17 kmN RMS: 0.30 secs
Locality: SOUTHERN NORTH SEA
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 9KM OFFSHORE FILEY

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AV06	HZ	22.5	IP		C	08:01	43.44			0.03
AV06	HE	22.5	ES			08:01	46.62			0.05
AV06	HN	22.5	IAML			08:01	46.96	46	0.16	
AV06	HE	22.5	IAML			08:01	47.58	32	0.19	
AU08	HZ	35.0	EP	9		08:01	44.08			-1.44
AU08	HE	35.0	ES			08:01	49.92			1.13
AU08	HN	35.0	IAML			08:01	50.17	22	0.15	
AU08	HE	35.0	IAML			08:01	50.83	15	0.20	
AU18	HZ	35.7	IP		D	08:01	45.63			0.02
AU18	HN	35.7	ES			08:01	49.99			-0.40
AU18	HE	35.7	IAML			08:01	50.54	38	0.22	
AU18	HN	35.7	IAML			08:01	50.89	59	0.19	
GDLE	HZ	47.1	EP			08:01	47.56			0.10
GDLE	HN	47.1	ES			08:01	53.51			-0.08
GDLE	HN	47.1	IAML			08:01	54.38	40	0.29	
GDLE	HE	47.1	IAML			08:01	54.39	28	0.17	
AU11	HZ	50.5	EP			08:01	47.60			-0.35
AU11	HE	50.5	ES			08:01	53.93			-0.50
AU11	HN	50.5	IAML			08:01	54.32	40	0.15	
AU11	HE	50.5	IAML			08:01	54.91	20	0.25	
AU07	HZ	53.9	EP			08:01	48.69			0.19
AU05	HZ	62.9	EP			08:01	49.90			0.03
AU05	HE	62.9	ES			08:01	57.27			-0.48
AU05	HN	62.9	IAML			08:01	57.77	33	0.08	
AU05	HE	62.9	IAML			08:01	58.97	21	0.15	
AT10	HZ	67.6	EP			08:01	51.05			0.39
AT10	HN	67.6	ES			08:01	59.53			0.41
AT10	HN	67.6	IAML			08:02	02.67	24	0.17	
AT10	HE	67.6	IAML			08:02	02.88	13	0.18	
LMK	HN	87.8	ES			08:02	04.63			0.16
LMK	HN	87.8	IAML			08:02	04.95	29	0.36	
LMK	HE	87.8	IAML			08:02	05.89	27	0.44	
AS07	HZ	116.0	EP			08:01	58.23			0.08
EDMD	HZ	134.0	EP			08:02	00.99			0.18
LBWR	HZ	139.0	EP			08:02	02.37			0.77

November 9 2020 Time: 01:21 20.2 UTC Magnitude: 1.1 ML
Lat: 56.768 Lon: -5.754 Depth: 2.7 km
Grid Ref: 170.62 kmE 770.32 kmN RMS: 0.50 secs
Locality: DALNABRECK,HIGHLAND
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	60.6	IP		C	01:21	30.67			-0.08
LAWE	HE	60.6	ES			01:21	37.81			-0.67
LAWE	HE	60.6	IAML			01:21	37.98	6	0.15	
LAWE	HN	60.6	IAML			01:21	38.05	5	0.16	
KPL	HZ	63.9	EP			01:21	31.01			-0.22
KPL	HN	63.9	IAML			01:21	42.78	8	0.12	
KPL	HE	63.9	IAML			01:21	42.86	11	0.10	
EAB	HZ	109.0	EP			01:21	38.43			0.23
INVG	HZ	112.0	EP			01:21	38.46			-0.23
INVG	HN	112.0	ES			01:21	51.74			-0.48
INVG	HN	112.0	IAML			01:21	53.30	6	0.10	
INVG	HE	112.0	IAML			01:21	53.65	7	0.12	
PGB1	HZ	132.0	EP			01:21	42.66			0.78
PGB1	HN	132.0	ES			01:21	58.06			0.31
PGB1	HN	132.0	IAML			01:21	59.21	4	0.25	
PGB1	HE	132.0	IAML			01:22	00.15	6	0.16	
LINV	HZ	157.0	EP			01:21	44.89			-0.51
MCD	HZ	176.0	EP			01:21	49.00			0.88
MCD	HE	176.0	IAML			01:22	10.48	3	0.22	
MCD	HN	176.0	IAML			01:22	11.47	2	0.13	

November 11 2020 Time: 06:48 15.3 UTC Magnitude: 0.7 ML
Lat: 56.293 Lon: -3.764 Depth: 7.4 km
Grid Ref: 290.83 kmE 712.56 kmN RMS: 0.20 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	22.9	IP		C	06:48	19.66			-0.10
INVG	HN	22.9	ES			06:48	22.98			-0.03
INVG	HE	22.9	IAML			06:48	23.28	4	0.02	
INVG	HN	22.9	IAML			06:48	23.30	4	0.10	
EAB	HZ	37.4	IP		C	06:48	21.83			-0.17
EAB	HN	37.4	ES			06:48	26.66			-0.24
EAB	HE	37.4	IAML			06:48	30.20	4	0.05	
EAB	HN	37.4	IAML			06:48	30.75	4	0.14	
EDI	HE	54.5	IAML			06:48	31.03	4	0.13	
EDI	HN	54.5	IAML			06:48	31.64	4	0.50	
LAWE	HZ	101.0	EP			06:48	32.07			0.18
LAWE	HE	101.0	ES			06:48	44.31			0.31
LAWE	HE	101.0	IAML			06:48	47.05	5	0.10	
LAWE	HN	101.0	IAML			06:48	47.64	5	0.24	
DRUM	HE	105.0	IAML			06:48	46.55	8	0.23	
DRUM	HN	105.0	IAML			06:48	46.77	6	0.25	
ESK	HZ	114.0	EP			06:48	33.99			0.09
ESK	HE	114.0	IAML			06:48	50.14	3	0.19	
ESK	HN	114.0	IAML			06:48	52.30	3	0.17	

November 11 2020 Time: 23:38 11.9 UTC Magnitude: 1.4 ML
Lat: 56.085 Lon: -5.544 Depth: 6.0 km
Grid Ref: 179.53 kmE 693.68 kmN RMS: 0.30 secs
Locality: CRINAN,ARGYLL & BUTE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	21.4	IP		D	23:38	16.01			-0.08
LAWE	HE	21.4	ES			23:38	19.03			-0.11
LAWE	HN	21.4	IAML			23:38	19.40	41	0.16	
LAWE	HE	21.4	IAML			23:38	19.45	62	0.14	
EAB	HZ	75.9	EP			23:38	24.93			0.25
EAB	HN	75.9	ES			23:38	34.00			0.00
EAB	HN	75.9	IAML			23:38	37.17	30	0.10	
EAB	HE	75.9	IAML			23:38	37.23	32	0.16	
GGERF	CZ	86.9	EP			23:38	26.49			0.16
INVG	HZ	100.0	EP			23:38	28.99			0.50
INVG	HN	100.0	ES			23:38	40.08			-0.51
INVG	HE	100.0	IAML			23:38	42.93	9	0.28	
INVG	HN	100.0	IAML			23:38	42.98	12	0.20	
CLGH	HZ	117.0	EP			23:38	30.60			-0.47
CLGH	HN	117.0	IAML			23:38	45.36	7	0.22	
CLGH	HE	117.0	IAML			23:38	45.96	10	0.14	
KPL	HZ	140.0	EP			23:38	34.72			0.35
KPL	HE	140.0	IAML			23:38	52.96	11	0.34	
KPL	HN	140.0	IAML			23:38	53.43	8	0.16	

November 12 2020 Time: 18:47 52.6 UTC Magnitude: 0.3 ML
Lat: 56.271 Lon: -3.762 Depth: 2.7 km
Grid Ref: 290.90 kmE 710.11 kmN RMS: 0.20 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	24.6	EP			18:47	57.26			0.00
INVG	HE	24.6	ES			18:48	00.58			-0.10
INVG	HN	24.6	IAML			18:48	00.76	3	0.07	
INVG	HE	24.6	IAML			18:48	00.81	2	0.08	
EAB	HZ	36.8	IP		C	18:47	59.40			0.07
EAB	HN	36.8	ES			18:48	04.16			-0.10
EAB	HN	36.8	IAML			18:48	04.30	3	0.25	
EAB	HE	36.8	IAML			18:48	05.36	4	0.24	
EDI	HZ	52.7	EP			18:48	01.80			-0.14
EDI	HN	52.7	IAML			18:48	08.50	3	0.15	
EDI	HE	52.7	IAML			18:48	08.64	4	0.27	
LAWE	HZ	101.0	EP			18:48	09.92			0.43
LAWE	HN	101.0	ES			18:48	21.67			-0.17
LAWE	HN	101.0	IAML			18:48	24.28	3	0.11	
LAWE	HE	101.0	IAML			18:48	25.69	2	0.15	

November 14 2020 Time: 10:09 20.0 UTC Magnitude: 0.8 ML
Lat: 54.688 Lon: -2.404 Depth: 3.4 km
Grid Ref: 373.96 kmE 532.64 kmN RMS: 0.20 secs
Locality: GARRIGILL,CUMBRIA
Velocity model: Lownet Xnear: 50.0 Xfar: 100.0
Comment: 8KM SOUTH GARRIGILL

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
EDMD	HZ	32.6	IP		C	10:09	26.11			0.10
EDMD	HN	32.6	ES			10:09	30.09			-0.29
EDMD	HN	32.6	IAML			10:09	30.25	9	0.08	
EDMD	HE	32.6	IAML			10:09	30.40	13	0.21	

TABLE 2 : PHASE DATA

AQ12	HZ	35.9	EP		10:09	26.89		0.24
AQ12	HN	35.9	ES		10:09	31.25		-0.24
AQ12	HN	35.9	IAML		10:09	31.49	7 0.08	
AQ12	HE	35.9	IAML		10:09	31.63	12 0.07	
AS10	HN	39.9	ES		10:09	32.60		0.02
AS10	HE	39.9	IAML		10:09	32.79	9 0.15	
AS10	HN	39.9	IAML		10:09	32.82	24 0.15	
KESW	HZ	46.6	IP	C	10:09	28.69		0.27
KESW	HE	46.6	ES		10:09	34.40		-0.16
AS07	HZ	57.1	EP		10:09	30.15		0.08
AP12	HZ	70.0	EP		10:09	32.23		0.19
AP12	HN	70.0	ES		10:09	40.30		-0.51
AR07	HN	77.1	ES		10:09	42.89		0.15
AR07	HN	77.1	IAML		10:09	43.23	7 0.20	
AR07	HE	77.1	IAML		10:09	43.67	8 0.10	
ESK	HZ	86.7	EP		10:09	35.25		0.61
ESK	HN	86.7	ES		10:09	45.49		0.18
ESK	HE	86.7	IAML		10:09	46.24	2 0.39	
ESK	HN	86.7	IAML		10:09	46.80	2 0.19	
AT10	HN	87.0	ES		10:09	45.78		0.36
AT10	HN	87.0	IAML		10:09	46.30	5 0.22	
AT10	HE	87.0	IAML		10:09	47.52	7 0.41	

November 16 2020 Time: 06:31 56.5 UTC Magnitude: 1.2 ML
Lat: 52.636 Lon: -2.737 Depth: 9.3 km
Grid Ref: 350.13 kmE 304.54 kmN RMS: 0.10 secs
Locality: DORRINGTON,SHROPSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT STAPLETON Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
HLM1	HZ	16.3	IP		C	06:31	59.97			-0.03
HLM1	HE	16.3	ES			06:32	02.63			0.07
HLM1	HN	16.3	IAML			06:32	03.21	65	0.04	
HLM1	HE	16.3	IAML			06:32	03.22	65	0.17	
FOEL	HZ	42.1	IP		D	06:32	03.93			-0.03
FOEL	HN	42.1	ES			06:32	09.31			-0.09
FOEL	HN	42.1	IAML			06:32	09.54	16	0.21	
FOEL	HE	42.1	IAML			06:32	09.91	15	0.41	
CWF	HZ	97.3	EP			06:32	12.26			-0.21
CWF	HE	97.3	IAML			06:32	26.50	8	0.07	
CWF	HN	97.3	IAML			06:32	26.88	10	0.08	
LBWR	HZ	109.0	IP		D	06:32	14.60			0.30
LBWR	HE	109.0	IAML			06:32	29.24	10	0.11	
LBWR	HN	109.0	IAML			06:32	29.76	9	0.09	
WLF1	HZ	133.0	EP			06:32	17.85			0.09
WLF1	HN	133.0	IAML			06:32	34.15	7	0.15	
WLF1	HE	133.0	IAML			06:32	34.98	4	0.11	

November 17 2020 Time: 03:38 23.6 UTC Magnitude: 0.9 ML
Lat: 56.293 Lon: -3.750 Depth: 7.5 km
Grid Ref: 291.70 kmE 712.54 kmN RMS: 0.40 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	23.5	IP		C	03:38	28.11			-0.08
INVG	HN	23.5	ES			03:38	31.32			-0.18
INVG	HE	23.5	IAML			03:38	31.72	5	0.09	
INVG	HN	23.5	IAML			03:38	31.74	6	0.12	
EAB	HZ	38.2	IP		C	03:38	30.30			-0.16
EAB	HN	38.2	ES			03:38	35.06			-0.38
EAB	HN	38.2	IAML			03:38	35.59	10	0.15	
EAB	HE	38.2	IAML			03:38	36.79	8	0.18	
EDI	HZ	54.0	EP			03:38	32.70			-0.19
EDI	HN	54.0	ES			03:38	39.14			-0.49
EDI	HN	54.0	IAML			03:38	39.29	7	0.18	
EDI	HE	54.0	IAML			03:38	39.53	9	0.31	
GGERF	CZ	58.3	IP		D	03:38	33.52			0.00
LAWE	HZ	102.0	EP			03:38	41.08			0.72
LAWE	HN	102.0	IAML			03:38	55.22	8	0.17	
LAWE	HE	102.0	IAML			03:38	57.68	7	0.17	
DRUM	HZ	104.0	EP			03:38	40.72			0.09
DRUM	HE	104.0	IAML			03:38	55.05	17	0.19	
DRUM	HN	104.0	IAML			03:38	55.25	10	0.18	
ESK	HZ	114.0	EP			03:38	42.91			0.71
NEWG	HZ	134.0	EP			03:38	45.64			0.44

November 17 2020 Time: 03:42 28.0 UTC Magnitude: 0.7 ML
Lat: 56.289 Lon: -3.748 Depth: 8.9 km
Grid Ref: 291.81 kmE 712.09 kmN RMS: 0.30 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	23.9	IP		C	03:42	32.49			-0.10
INVG	HN	23.9	ES			03:42	35.85			-0.11
INVG	HN	23.9	IAML			03:42	36.10	7	0.09	
INVG	HE	23.9	IAML			03:42	36.12	7	0.13	
EAB	HZ	38.2	IP		C	03:42	34.69			-0.11
EAB	HN	38.2	ES			03:42	39.50			-0.28
EAB	HN	38.2	IAML			03:42	39.96	10	0.11	
EAB	HE	38.2	IAML			03:42	41.19	8	0.17	
EDI	HZ	53.6	EP			03:42	37.01			-0.15
EDI	HN	53.6	ES			03:42	43.52			-0.34
EDI	HN	53.6	IAML			03:42	43.72	6	0.11	
EDI	HE	53.6	IAML			03:42	45.75	8	0.28	
GGERF	CZ	57.9	EP			03:42	37.93			0.12
LAWE	HZ	102.0	EP			03:42	45.14			0.43
LAWE	HN	102.0	IAML			03:43	00.04	7 0.15		
LAWE	HE	102.0	IAML			03:43	02.05	6 0.20		
DRUM	HZ	104.0	EP			03:42	45.04			0.05
ESK	HZ	114.0	EP			03:42	47.14			0.67

November 17 2020 Time: 14:38 17.9 UTC Magnitude: 2.5 ML
Lat: 61.336 Lon: 3.477 Depth: 16.0 km
Grid Ref: 692.82 kmE 1284.93 kmN RMS: 0.40 secs
Locality: NORWEGIAN SEA
Velocity model: North Sea Xnear: 400.0 Xfar: 800.0
Comment: 285KM ENE LERWICK

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
FOO	HZ	88.4	EP			14:38	32.10			0.03
FOO	HN	88.4	ES			14:38	42.04			-0.40
FOO	HN	88.4	IAML			14:38	43.37	162	0.20	
FOO	HE	88.4	IAML			14:38	43.54	134	0.23	
BER	HZ	146.0	EP			14:38	40.86			0.86
BER	HE	146.0	ES			14:38	55.76			-0.40
BER	HN	146.0	IAML			14:39	00.66	46	0.48	
BER	HE	146.0	IAML			14:39	03.23	46	0.20	
MOL	HZ	254.0	EP			14:38	53.96			0.59
MOL	HE	254.0	ES			14:39	19.07			-0.21
LRW	HZ	287.0	EP			14:38	57.24			-0.21
LRW	HN	287.0	ES			14:39	26.33			-0.02
LRW	HE	287.0	IAML			14:39	38.44	19	0.46	
LRW	HN	287.0	IAML			14:39	40.79	17	0.22	
BIGH	HZ	520.0	EP			14:39	25.92			-0.50
BIGH	HN	520.0	IAML			14:40	18.26	13	0.21	
BIGH	HE	520.0	IAML			14:40	18.32	16	0.14	

November 21 2020 Time: 16:23 10.5 UTC Magnitude: 0.9 ML
Lat: 56.281 Lon: -3.756 Depth: 7.7 km
Grid Ref: 291.30 kmE 711.21 kmN RMS: 0.20 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT BLACKFORD Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	24.2	EP			16:23	15.22			0.04
INVG	HN	24.2	ES			16:23	18.43			-0.14
INVG	HN	24.2	IAML			16:23	22.60	4	0.23	
INVG	HE	24.2	IAML			16:23	23.04	4	0.35	
EAB	HZ	37.5	IP		C	16:23	17.30			0.05
EAB	HN	37.5	ES			16:23	21.86			-0.29
EAB	HN	37.5	IAML			16:23	22.58	9	0.18	
EAB	HE	37.5	IAML			16:23	23.13	8	0.23	
EDI	HZ	53.2	EP			16:23	19.58			-0.08
EDI	HN	53.2	ES			16:23	26.07			-0.24
EDI	HN	53.2	IAML			16:23	26.29	8	0.12	
EDI	HE	53.2	IAML			16:23	26.45	10	0.30	
GGERF	CZ	56.9	EP			16:23	20.40			0.19
LAWE	HZ	102.0	EP			16:23	27.44			0.24
LAWE	HN	102.0	IAML			16:23	42.18	7	0.14	
LAWE	HE	102.0	IAML			16:23	43.67	6	0.11	
DRUM	HZ	105.0	EP			16:23	27.73			0.03
DRUM	HE	105.0	IAML			16:23	41.94	18	0.22	
DRUM	HN	105.0	IAML			16:23	42.39	8	0.29	
ESK	HZ	113.0	EP			16:23	29.18			0.27
ESK	HN	113.0	IAML			16:23	45.08	7	0.18	
ESK	HE	113.0	IAML			16:23	45.43	7	0.24	

November 21 2020 Time: 21:56 00.6 UTC Magnitude: 0.7 ML
Lat: 56.285 Lon: -3.748 Depth: 7.5 km
Grid Ref: 291.80 kmE 711.65 kmN RMS: 0.30 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	24.2	EP			21:56	05.26			0.01
INVG	HE	24.2	ES			21:56	08.42			-0.22
INVG	HN	24.2	IAML			21:56	08.72	3	0.09	
INVG	HE	24.2	IAML			21:56	09.90	2	0.08	
EAB	HZ	38.1	IP		C	21:56	07.29			-0.12
EAB	HN	38.1	ES			21:56	12.12			-0.26
EAB	HE	38.1	IAML			21:56	12.82	4	0.12	
EAB	HN	38.1	IAML			21:56	15.21	4	0.09	
EDI	HZ	53.3	IP		D	21:56	09.61			-0.13
EDI	HN	53.3	ES			21:56	16.14			-0.26
EDI	HN	53.3	IAML			21:56	16.22	4	0.26	
EDI	HE	53.3	IAML			21:56	16.39	3	0.17	
LAWE	HZ	102.0	EP			21:56	17.77			0.43
LAWE	HN	102.0	ES			21:56	29.55			0.00
LAWE	HN	102.0	IAML			21:56	32.15	5	0.14	
LAWE	HE	102.0	IAML			21:56	32.41	3	0.12	
DRUM	HZ	104.0	EP			21:56	17.79			0.13
DRUM	HE	104.0	ES			21:56	30.10			-0.01
DRUM	HE	104.0	IAML			21:56	32.01	12	0.21	
DRUM	HN	104.0	IAML			21:56	34.21	5	0.14	
ESK	HZ	113.0	EP			21:56	19.78			0.74
ESK	HN	113.0	ES			21:56	32.20			-0.29
ESK	HN	113.0	IAML			21:56	35.30	4	0.26	
ESK	HE	113.0	IAML			21:56	35.55	4	0.26	
NEWG	HZ	134.0	EP			21:56	22.35			0.29
NEWG	HN	134.0	IAML			21:56	39.58	2	0.16	

TABLE 2 : PHASE DATA

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
NEWG	HE	134.0	IAML			21:56	41.45	3	0.23	

November 22 2020 Time: 05:06 39.0 UTC Magnitude: 0.9 ML
Lat: 57.066 Lon: -4.738 Depth: 6.8 km
Grid Ref: 234.01 kmE 800.53 kmN RMS: 0.40 secs
Locality: INVERGARRY,HIGHLAND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	63.1	EP			05:06	49.74			0.06
KPL	HN	63.1	ES			05:06	57.08			-0.39
KPL	HN	63.1	IAML			05:06	58.30	5	0.20	
KPL	HE	63.1	IAML			05:07	02.20	4	0.11	
INVG	HZ	82.9	EP			05:06	52.83			0.03
INVG	HN	82.9	ES			05:07	02.26			-0.61
INVG	HE	82.9	IAML			05:07	06.52	4	0.21	
INVG	HN	82.9	IAML			05:07	07.09	4	0.21	
LAWE	HZ	98.5	EP			05:06	55.35			0.15
LAWE	HE	98.5	ES			05:07	07.36			0.35
LAWE	HN	98.5	IAML			05:07	09.98	5	0.10	
LAWE	HE	98.5	IAML			05:07	10.53	4	0.19	
EAB	HZ	101.0	EP			05:06	55.94			0.36
EAB	HN	101.0	ES			05:07	07.50			-0.17
EAB	HN	101.0	IAML			05:07	11.32	3	0.08	
EAB	HE	101.0	IAML			05:07	11.48	2	0.20	
MCD	HZ	106.0	EP			05:06	56.80			0.36
MCD	HN	106.0	IAML			05:07	11.55	12	0.38	
MCD	HE	106.0	IAML			05:07	12.29	7	0.28	
DRUM	HZ	138.0	EP			05:07	00.51			-0.66
DRUM	HN	138.0	ES			05:07	17.77			0.43
DRUM	HE	138.0	IAML			05:07	20.15	3	0.11	
DRUM	HN	138.0	IAML			05:07	20.39	5	0.33	

November 22 2020 Time: 22:57 54.9 UTC Magnitude: 1.3 ML
Lat: 56.983 Lon: -5.600 Depth: 7.6 km
Grid Ref: 181.29 kmE 793.72 kmN RMS: 0.30 secs
Locality: LOCH NEVIS,HIGHLAND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	39.8	EP			22:58	02.10			0.17
KPL	HN	39.8	IAML			22:58	02.29	16	0.12	
KPL	HN	39.8	ES			22:58	06.76			-0.29
KPL	HE	39.8	IAML			22:58	07.14	27	0.19	
LAWE	HZ	81.4	EP			22:58	08.63			0.22
LAWE	HE	81.4	ES			22:58	17.98			-0.28
LAWE	HN	81.4	IAML			22:58	22.81	19	0.14	
LAWE	HE	81.4	IAML			22:58	22.93	11	0.13	
INVG	HZ	114.0	EP			22:58	13.31			-0.12
INVG	HN	114.0	IAML			22:58	27.26	5	0.11	
INVG	HE	114.0	IAML			22:58	28.53	5	0.10	
EAB	HZ	118.0	EP			22:58	14.65			0.60
EAB	HE	118.0	ES			22:58	27.69			-0.33
EAB	HE	118.0	IAML			22:58	29.76	15	0.24	
EAB	HN	118.0	IAML			22:58	30.35	10	0.09	
MCD	HZ	156.0	EP			22:58	20.14			0.48
MCD	HN	156.0	IAML			22:58	39.67	5	0.21	
MCD	HE	156.0	IAML			22:58	40.06	4	0.20	

November 23 2020 Time: 01:19 12.8 UTC Magnitude: 1.3 ML
Lat: 51.938 Lon: -2.958 Depth: 8.6 km
Grid Ref: 334.15 kmE 227.09 kmN RMS: 0.30 secs
Locality: CLODOCK,HEREFORDSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT CLODOCK Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MONM	HZ	15.3	IP		C	01:19	16.36			0.30
MONM	HE	15.3	ES			01:19	18.13			-0.31
MONM	HN	15.3	IAML			01:19	19.29	57	0.15	
MONM	HE	15.3	IAML			01:19	19.34	60	0.11	
OLDB	HZ	41.8	EP			01:19	20.21			0.10
OLDB	HN	41.8	ES			01:19	25.56			0.10
OLDB	HN	41.8	IAML			01:19	26.47	40	0.28	
OLDB	HE	41.8	IAML			01:19	26.65	36	0.28	
STRD	HZ	57.7	EP			01:19	22.72			0.10
STRD	HN	57.7	ES			01:19	29.64			-0.16
STRD	HE	57.7	IAML			01:19	30.43	17	0.27	
STRD	HN	57.7	IAML			01:19	30.56	22	0.16	
HLM1	HZ	64.8	EP			01:19	23.49			-0.28
HLM1	HE	64.8	ES			01:19	31.51			-0.27
HLM1	HE	64.8	IAML			01:19	32.11	13	0.33	
HLM1	HN	64.8	IAML			01:19	32.14	9	0.08	
FOEL	HZ	107.0	EP			01:19	31.10			0.76
FOEL	HE	107.0	IAML			01:19	43.33	6	0.18	
FOEL	HN	107.0	IAML			01:19	43.84	9	0.30	
RSBS	HZ	123.0	EP			01:19	32.33			-0.35
CWF	HZ	144.0	EP			01:19	35.84			0.23
CWF	HE	144.0	ES			01:19	52.05			-0.22
CWF	HE	144.0	IAML			01:19	53.50	8	0.21	
CWF	HN	144.0	IAML			01:19	53.96	11	0.13	
HTL	HZ	149.0	EP			01:19	36.20			-0.21
LBWR	HZ	183.0	EP			01:19	41.58			0.62

November 25 2020 Time: 18:56 47.2 UTC Magnitude: 0.3 ML
Lat: 51.155 Lon: -0.252 Depth: 2.5 km
Grid Ref: 522.23 kmE 141.04 kmN RMS: 0.00 secs
Locality: NEWDIGATE,SURREY
Velocity model: Surrey Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
RUSH	HZ	1.4	EP			18:56	48.10			0.03
RUSH	HN	1.4	ES			18:56	48.71			-0.02
RUSH	HE	1.4	IAML			18:56	48.94	323	0.08	
RUSH	HN	1.4	IAML			18:56	48.95	534	0.11	
STAN	HZ	1.7	EP			18:56	48.13			-0.01
STAN	HE	1.7	ES			18:56	48.84			-0.01
STAN	HE	1.7	IAML			18:56	48.98	338	0.10	
STAN	HN	1.7	IAML			18:56	48.99	274	0.10	
HORS	HZ	3.8	EP			18:56	48.51			0.01
HORS	HN	3.8	ES			18:56	49.48			0.00
HORS	HE	3.8	IAML			18:56	49.65	61	0.10	
HORS	HN	3.8	IAML			18:56	49.66	111	0.24	
BRDL	HZ	3.8	EP			18:56	48.48			-0.03
BRDL	HE	3.8	ES			18:56	49.52			0.03
BRDL	HN	3.8	IAML			18:56	49.65	153	0.12	
BRDL	HE	3.8	IAML			18:56	49.70	241	0.12	

November 27 2020 Time: 03:22 35.2 UTC Magnitude: 2.0 ML
Lat: 56.274 Lon: -3.746 Depth: 6.2 km
Grid Ref: 291.89 kmE 710.42 kmN RMS: 0.30 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0
Comment: FELT BLACKFORD... Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	25.1	EP			03:22	40.00			-0.06
INVG	HE	25.1	ES			03:22	43.29			-0.29
INVG	HN	25.1	IAML			03:22	43.58	80	0.08	
INVG	HE	25.1	IAML			03:22	43.60	72	0.11	
EAB	HZ	37.9	IP		C	03:22	42.12			0.02
EAB	HN	37.9	ES			03:22	46.78			-0.33
EAB	HN	37.9	IAML			03:22	47.41	133	0.18	
EAB	HE	37.9	IAML			03:22	48.05	113	0.26	
EDI	HZ	52.3	IP		D	03:22	44.41			0.10
EDI	HN	52.3	ES			03:22	50.88			-0.04
EDI	HN	52.3	IAML			03:22	51.10	85	0.09	
EDI	HE	52.3	IAML			03:22	51.29	121	0.28	
GGERF	CZ	56.6	EP			03:22	45.20			0.24
GGERF	CE	56.6	ES			03:22	52.16			0.11
GGERF	CN	56.6	IAML			03:22	52.55	78	0.34	
GGERF	CE	56.6	IAML			03:22	52.65	71	0.27	
PGB1	HZ	69.0	IP		C	03:22	46.86			-0.06
PGB1	HN	69.0	ES			03:22	55.37			-0.07
PGB1	HE	69.0	IAML			03:22	57.83	199	0.24	
PGB1	HN	69.0	IAML			03:22	58.66	126	0.19	
LAWE	HZ	102.0	IP		C	03:22	52.19			0.11
LAWE	HN	102.0	ES			03:23	04.37			0.00
LAWE	HN	102.0	IAML			03:23	07.01	131	0.15	
LAWE	HE	102.0	IAML			03:23	07.07	88	0.17	
DRUM	HZ	105.0	EP			03:22	52.43			-0.08
DRUM	HN	105.0	ES			03:23	04.60			-0.52
DRUM	HE	105.0	IAML			03:23	06.78	301	0.22	
DRUM	HN	105.0	IAML			03:23	07.08	148	0.19	
NEWG	HZ	132.0	EP			03:22	56.95			0.31
NEWG	HN	132.0	ES			03:23	12.00			-0.26
NEWG	HN	132.0	IAML			03:23	14.51	44	0.16	
NEWG	HE	132.0	IAML			03:23	15.47	52	0.22	
MCD	HZ	149.0	EP			03:22	59.61			0.58
MCD	HN	149.0	IAML			03:23	19.62	67	0.20	
MCD	HE	149.0	IAML			03:23	23.56	67	0.42	
KPL	HZ	166.0	EP			03:23	01.96			0.50
KPL	HE	166.0	IAML			03:23	24.16	30	0.28	
KPL	HN	166.0	IAML			03:23	25.17	35	0.28	
GAL1	HZ	168.0	EP			03:23	01.49			-0.26
GAL1	HN	168.0	IAML			03:23	23.70	45	0.32	
GAL1	HE	168.0	IAML			03:23	23.72	52	0.50	
CLGH	HZ	199.0	EP			03:23	05.66			-0.01
CLGH	HN	199.0	IAML			03:23	31.51	17	0.26	
CLGH	HE	199.0	IAML			03:23	36.41	22	0.16	
AQ12	HZ	214.0	EP			03:23	07.57			0.02
AQ12	HN	214.0	IAML			03:23	38.34	15	0.16	
AQ12	HE	214.0	IAML			03:23	42.17	21	0.30	

December 7 2020 Time: 08:29 17.3 UTC Magnitude: 0.5 ML
Lat: 55.445 Lon: -7.072 Depth: 6.9 km
Grid Ref: 79.33 kmE 628.49 kmN RMS: 0.10 secs
Locality: INISHTRAHULL,CO DONEGAL
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: OFFSHORE LOCATION

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
IDGL	HZ	50.2	EP			08:29	26.18			0.21
IDGL	HN	50.2	ES			08:29	32.18			-0.12
IDGL	HE	50.2	IAML			08:29	33.40	2	0.29	
IDGL	HN	50.2	IAML			08:29	33.77	2	0.16	
CLGH	HZ	73.2	EP			08:29	29.41			-0.15
CLGH	HE	73.2	ES			08:29	38.61			0.09
CLGH	HE	73.2	IAML			08:29	42.22	3	0.19	
CLGH	HN	73.2	IAML			08:29	42.44	3	0.12	
LAWE	HZ	139.0	EP			08:29	39.34			-0.17

TABLE 2 : PHASE DATA

LAWE	HN	139.0	ES		08:29	55.83			0.10
LAWE	HE	139.0	IAML		08:29	57.87	1	0.11	
LAWE	HN	139.0	IAML		08:29	59.48	1	0.21	

December 9 2020 Time: 23:29 23.7 UTC Magnitude: 0.2 ML
Lat: 55.310 Lon: -3.535 Depth: 7.5 km
Grid Ref: 302.58 kmE 602.85 kmN RMS: 0.30 secs
Locality: BEATTOCK,D & G
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ESK	HZ	20.9	IP		C	23:29	27.99			0.19
ESK	HN	20.9	ES			23:29	30.49			-0.33
ESK	HE	20.9	IAML			23:29	30.71	7	0.16	
ESK	HN	20.9	IAML			23:29	31.43	5	0.26	
NEWG	HZ	49.2	EP			23:29	32.41			0.26
NEWG	HE	49.2	ES			23:29	37.71			-0.64
NEWG	HE	49.2	IAML			23:29	38.52	2	0.12	
NEWG	HN	49.2	IAML			23:29	38.78	1	0.14	
KESW	HZ	84.9	EP			23:29	37.78			0.06
GAL1	HZ	89.9	EP			23:29	38.82			0.36
GAL1	HN	89.9	ES			23:29	49.37			0.11
GAL1	HN	89.9	IAML			23:29	51.80	2	0.07	
GAL1	HE	89.9	IAML			23:29	51.99	1	0.07	

December 11 2020 Time: 04:13 27.2 UTC Magnitude: 0.6 ML
Lat: 52.885 Lon: -5.451 Depth: 8.2 km
Grid Ref: 167.85 kmE 337.56 kmN RMS: 0.30 secs
Locality: IRISH SEA
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0
Comment: 40KM EAST WICKLOW

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
DSB	HZ	73.8	EP			04:13	39.70			0.20
DSB	HZ	73.8	ES			04:13	48.20			-0.27
WPS	HZ	85.8	EP			04:13	41.45			0.09
IWEX	HZ	106.0	EP			04:13	44.20			-0.34
IWEX	HZ	106.0	ES			04:13	57.80			0.61
RSBS	HZ	114.0	EP			04:13	45.55			-0.28
RSBS	HN	114.0	ES			04:13	59.07			-0.34
LLW	BZ	120.0	EP			04:13	47.21			0.47
LLW	BN	120.0	ES			04:14	01.53			0.53
LLW	BE	120.0	IAML			04:14	02.37	1	0.25	
LLW	BN	120.0	IAML			04:14	02.72	2	0.45	
FOEL	HZ	152.0	EP			04:13	51.11			-0.15
FOEL	HN	152.0	ES			04:14	08.56			-0.25
FOEL	HN	152.0	IAML			04:14	09.36	1	0.19	
FOEL	HE	152.0	IAML			04:14	09.56	2	0.20	
IOMK	HZ	164.0	EP			04:13	52.71			-0.27

December 14 2020 Time: 14:49 47.6 UTC Magnitude: 1.2 ML
Lat: 56.286 Lon: -3.752 Depth: 8.6 km
Grid Ref: 291.56 kmE 711.76 kmN RMS: 0.30 secs
Locality: BLACKFORD,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT BLACKFORD... Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	23.9	EP			14:49	52.24			0.05
INVG	HN	23.9	ES			14:49	55.60			0.04
INVG	HN	23.9	IAML			14:49	56.19	9	0.05	
INVG	HE	23.9	IAML			14:49	57.00	8	0.23	
EAB	HZ	37.9	EP			14:49	54.23			-0.13
EAB	HN	37.9	ES			14:49	59.03			-0.27
EAB	HN	37.9	IAML			14:49	59.57	16	0.14	
EAB	HE	37.9	IAML			14:50	00.25	16	0.26	
EDI	HZ	53.5	IP		D	14:49	56.60			-0.15
EDI	HN	53.5	ES			14:50	03.01			-0.43
EDI	HN	53.5	IAML			14:50	03.29	14	0.12	
EDI	HE	53.5	IAML			14:50	03.38	14	0.13	
PGB1	HZ	69.8	EP			14:49	59.05			-0.24
PGB1	HN	69.8	IAML			14:50	07.79	18	0.26	
PGB1	HE	69.8	IAML			14:50	10.01	20	0.32	
LAWE	HZ	102.0	EP			14:50	04.52			0.24
LAWE	HN	102.0	ES			14:50	16.55			0.08
LAWE	HN	102.0	IAML			14:50	19.18	14	0.17	
LAWE	HE	102.0	IAML			14:50	19.35	11	0.20	
DRUM	HZ	104.0	EP			14:50	04.72			0.07
DRUM	HE	104.0	IAML			14:50	18.96	38	0.22	
DRUM	HN	104.0	IAML			14:50	19.23	20	0.32	
ESK	HZ	113.0	EP			14:50	06.80			0.76
NEWG	HZ	134.0	EP			14:50	09.37			0.40
KPL	HZ	165.0	IAML			14:50	36.26	3	0.23	
KPL	HN	165.0	IAML			14:50	37.48	5	0.24	

December 15 2020 Time: 03:29 17.7 UTC Magnitude: 0.5 ML
Lat: 56.282 Lon: -3.750 Depth: 7.7 km
Grid Ref: 291.67 kmE 711.32 kmN RMS: 0.30 secs
Locality: BLACKFORD/PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	24.3	EP			03:29	22.32			-0.07
INVG	HN	24.3	ES			03:29	25.69			-0.11
INVG	HN	24.3	IAML			03:29	26.41	2	0.14	
INVG	HE	24.3	IAML			03:29	27.03	2	0.07	
EAB	HZ	37.8	EP			03:29	24.41			-0.08
EAB	HN	37.8	ES			03:29	29.20			-0.23
EAB	HE	37.8	IAML			03:29	29.42	4	0.12	
EAB	HN	37.8	IAML			03:29	29.43	4	0.07	
EDI	HZ	53.1	EP			03:29	26.70			-0.13
EDI	HN	53.1	ES			03:29	33.16			-0.31
EDI	HN	53.1	IAML			03:29	33.39	4	0.11	
EDI	HE	53.1	IAML			03:29	33.49	3	0.14	
GGERF	CZ	57.2	EP			03:29	27.52			0.08
PGB1	HZ	69.5	EP			03:29	29.17			-0.21
LAWE	HZ	102.0	EP			03:29	34.91			0.48
LAWE	HN	102.0	ES			03:29	46.66			0.03
LAWE	HN	102.0	IAML			03:29	49.34	3	0.16	
LAWE	HE	102.0	IAML			03:29	49.35	2	0.22	
DRUM	HZ	105.0	EP			03:29	34.93			0.09
DRUM	HE	105.0	ES			03:29	47.27			-0.06
DRUM	HE	105.0	IAML			03:29	49.11	7	0.19	
DRUM	HN	105.0	IAML			03:29	49.47	4	0.28	
ESK	HZ	113.0	EP			03:29	36.84			0.73

December 16 2020 Time: 00:49 03.7 UTC Magnitude: 0.0 ML
Lat: 51.160 Lon: -0.240 Depth: 2.0 km
Grid Ref: 523.06 kmE 141.61 kmN RMS: 0.00 secs
Locality: NEWDIGATE,SURREY
Velocity model: Surrey Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
STAN	HZ	1.3	EP			00:49	04.52			-0.03
STAN	HN	1.3	ES			00:49	05.18			0.00
STAN	HN	1.3	IAML			00:49	05.35	223	0.09	
STAN	HE	1.3	IAML			00:49	05.48	135	0.19	
RUSH	HZ	2.4	IP		C	00:49	04.72			-0.02
RUSH	HN	2.4	ES			00:49	05.55			0.04
RUSH	HN	2.4	IAML			00:49	05.65	316	0.09	
RUSH	HE	2.4	IAML			00:49	05.68	73	0.13	
HORS	HZ	2.8	IP		C	00:49	04.85			0.00
HORS	HN	2.8	ES			00:49	05.73			0.03
HORS	HE	2.8	IAML			00:49	05.83	54	0.08	
HORS	HN	2.8	IAML			00:49	05.83	108	0.11	
BRDL	HZ	3.6	IP		D	00:49	04.95			-0.07
BRDL	HN	3.6	ES			00:49	06.03			0.05
BRDL	HE	3.6	IAML			00:49	06.14	135	0.12	
BRDL	HN	3.6	IAML			00:49	06.17	115	0.14	

December 16 2020 Time: 01:14 57.7 UTC Magnitude: 0.5 ML
Lat: 56.990 Lon: -5.837 Depth: 6.5 km
Grid Ref: 166.94 kmE 795.29 kmN RMS: 0.40 secs
Locality: MALLAIG,HIGHLAND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	40.5	EP			01:15	05.01			0.16
KPL	HN	40.5	ES			01:15	09.75			-0.35
KPL	HE	40.5	IAML			01:15	11.10	2	0.40	
KPL	HN	40.5	IAML			01:15	11.68	1	0.15	
LAWE	HZ	85.6	EP			01:15	12.16			0.29
LAWE	HE	85.6	ES			01:15	21.69			-0.55
LAWE	HE	85.6	IAML			01:15	22.13	4	0.18	
LAWE	HN	85.6	IAML			01:15	22.58	4	0.17	
INVG	HZ	126.0	EP			01:15	18.81			0.60
INVG	HN	126.0	ES			01:15	32.91			-0.31
INVG	HE	126.0	IAML			01:15	34.36	2	0.20	
INVG	HN	126.0	IAML			01:15	34.66	2	0.16	
EAB	HZ	128.0	EP			01:15	19.05			0.58

December 16 2020 Time: 16:57 17.8 UTC Magnitude: 0.8 ML
Lat: 55.405 Lon: -2.418 Depth: 12.2 km
Grid Ref: 373.53 kmE 612.42 kmN RMS: 0.40 secs
Locality: CAMPTOWN,BORDERS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ESK	HZ	50.9	EP			16:57	26.32			-0.33
ESK	HE	50.9	ES			16:57	32.99			-0.10
ESK	HE	50.9	IAML			16:57	33.30	8	0.21	
ESK	HN	50.9	IAML			16:57	33.82	13	0.11	
KESW	HZ	101.0	EP			16:57	34.69			0.32
KESW	HE	101.0	ES			16:57	46.92			0.48
KESW	HN	101.0	IAML			16:57	48.10	2	0.20	
KESW	HE	101.0	IAML			16:57	48.63	2	0.25	
AQ12	HN	110.0	ES			16:57	47.96			-0.73
AQ12	HN	110.0	IAML			16:57	48.53	3	0.06	
AQ12	HE	110.0	IAML			16:57	49.25	4	0.08	
NEWG	HZ	120.0	EP			16:57	37.36			0.36

December 17 2020 Time: 06:14 38.2 UTC Magnitude: 1.1 ML
Lat: 56.537 Lon: -3.938 Depth: 2.5 km
Grid Ref: 280.83 kmE 740.00 kmN RMS: 0.40 secs
Locality: KENMORE,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 5KM SSE KENMORE

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	13.8	IP		C	06:14	41.22			0.20
INVG	HN	13.8	ES			06:14	42.45			-0.66
INVG	HE	13.8	IAML			06:14	43.14	66	0.18	
INVG	HN	13.8	IAML			06:14	43.30	45	0.18	
EAB	HZ	45.9	IP		C	06:14	46.79			0.32
EAB	HN	45.9	ES			06:14	52.25			-0.28
EAB	HE	45.9	IAML			06:14	52.57	10	0.20	

TABLE 2 : PHASE DATA

EAB	HN	45.9	IAML		06:14	52.66	14	0.13	
EDI	HZ	82.6	IP	C	06:14	52.04			-0.15
PGB1	HZ	87.5	EP		06:14	53.54			0.57
PGB1	HE	87.5	ES		06:15	03.82			0.05
PGB1	HE	87.5	IAML		06:15	08.36	14	0.18	
PGB1	HN	87.5	IAML		06:15	09.04	13	0.17	
LAWE	HZ	95.3	EP		06:14	54.29			0.13
LAWE	HN	95.3	ES		06:15	05.68			-0.15
LAWE	HE	95.3	IAML		06:15	10.12	9	0.09	
LAWE	HN	95.3	IAML		06:15	10.78	13	0.21	
DRUM	HZ	98.2	EP		06:14	54.14			-0.49
ESK	HZ	143.0	EP		06:15	02.47			0.97
NEWG	HZ	159.0	EP		06:15	04.58			0.86

December 19 2020 Time: 00:26 28.8 UTC Magnitude: 1.8 ML
Lat: 51.314 Lon: 0.487 Depth: 2.4 km
Grid Ref: 573.30 kmE 160.20 kmN RMS: 0.30 secs
Locality: AYLESFORD,KENT
Velocity model: Surrey Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ELSH	HZ	48.9	EP			00:26	37.99			-0.19
ELSH	HN	48.9	ES			00:26	44.98			-0.02
ELSH	HN	48.9	IAML			00:26	46.50	34	0.17	
ELSH	HE	48.9	IAML			00:26	49.45	42	0.24	
HMNX	HZ	50.8	EP			00:26	38.57			0.13
HMNX	HN	50.8	ES			00:26	45.57			0.13
HMNX	HN	50.8	IAML			00:26	47.19	84	0.37	
HMNX	HE	50.8	IAML			00:26	49.12	80	0.34	
HORS	HZ	51.0	EP			00:26	38.16			-0.32
HORS	HE	51.0	ES			00:26	45.29			-0.23
HORS	HN	51.0	IAML			00:26	46.49	86	0.30	
HORS	HE	51.0	IAML			00:26	47.10	100	0.37	
STAN	HZ	53.8	EP			00:26	38.77			-0.16
STAN	HE	53.8	ES			00:26	46.49			0.19
STAN	HN	53.8	IAML			00:26	47.44	153	0.33	
STAN	HE	53.8	IAML			00:26	47.59	110	0.25	
BRDL	HZ	54.3	EP			00:26	38.69			-0.32
BRDL	HN	54.3	ES			00:26	46.25			-0.18
BRDL	HE	54.3	IAML			00:26	50.85	109	0.69	
BRDL	HN	54.3	IAML			00:26	51.13	98	0.34	
BRAD	CZ	55.5	EP			00:26	38.90			-0.26
BRAD	CN	55.5	ES			00:26	46.45			-0.24
BRAD	CN	55.5	IAML			00:26	47.55	31	0.38	
BRAD	CE	55.5	IAML			00:26	52.00	23	0.47	
RUSH	HZ	55.9	EP			00:26	39.57			0.34
RUSH	HN	55.9	ES			00:26	47.13			0.32
RUSH	HN	55.9	IAML			00:26	49.03	116	0.34	
RUSH	HE	55.9	IAML			00:26	51.98	132	0.36	
ELMS	HZ	93.4	EP			00:26	45.83			0.72
WOL	BZ	119.0	EP			00:26	49.07			-0.11
WOL	BN	119.0	IAML			00:27	07.00	16	0.35	
WOL	BE	119.0	IAML			00:27	10.53	13	0.20	
WACR	HZ	157.0	EP			00:26	55.51			0.88
WACR	HN	157.0	IAML			00:27	16.63	19	0.21	
WACR	HE	157.0	IAML			00:27	17.46	18	0.50	
CWF	HZ	201.0	EP			00:27	00.20			-0.15
CWF	HN	201.0	IAML			00:27	26.59	5	0.20	
CWF	HE	201.0	IAML			00:27	26.76	5	0.28	

December 19 2020 Time: 11:50 18.2 UTC Magnitude: 0.8 ML
Lat: 56.516 Lon: -3.925 Depth: 4.0 km
Grid Ref: 281.57 kmE 737.64 kmN RMS: 0.40 secs
Locality: KENMORE,PERTH/KINROSS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	12.3	IP		C	11:50	20.78			-0.04
INVG	HN	12.3	ES			11:50	22.58			-0.16
INVG	HN	12.3	IAML			11:50	22.85	16	0.16	
INVG	HE	12.3	IAML			11:50	22.85	22	0.12	
EAB	HZ	44.5	EP			11:50	26.40			0.16
EAB	HN	44.5	ES			11:50	31.80			-0.31
EAB	HE	44.5	IAML			11:50	32.12	3	0.20	
EAB	HN	44.5	IAML			11:50	32.21	5	0.10	
EDI	HZ	80.3	EP			11:50	31.78			0.02
EDI	HE	80.3	IAML			11:50	41.63	4	0.20	
EDI	HN	80.3	IAML			11:50	41.96	4	0.35	
LAWE	HZ	95.4	EP			11:50	34.69			0.59
LAWE	HE	95.4	ES			11:50	45.47			-0.24
LAWE	HN	95.4	IAML			11:50	48.91	5	0.10	
LAWE	HE	95.4	IAML			11:50	48.97	4	0.13	
DRUM	HZ	98.5	EP			11:50	34.17			-0.42
DRUM	HE	98.5	IAML			11:50	49.18	5	0.11	
DRUM	HN	98.5	IAML			11:50	50.11	8	0.11	
ESK	HZ	141.0	EP			11:50	42.32			1.27
ESK	HE	141.0	ES			11:50	57.60			-0.14
ESK	HE	141.0	IAML			11:51	00.14	4	0.41	
ESK	HN	141.0	IAML			11:51	00.29	3	0.22	

December 19 2020 Time: 21:28 10.5 UTC Magnitude: 1.8 ML
Lat: 54.079 Lon: -0.862 Depth: 24.1 km
Grid Ref: 474.45 kmE 465.41 kmN RMS: 0.20 secs
Locality: WESTOW,NORTH YORKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AU07	HZ	7.4	EP			21:28	15.73			0.05
AU07	HN	7.4	ES			21:28	19.72			0.27
AU07	HN	7.4	IAML			21:28	19.87	131	0.12	
AU07	HE	7.4	IAML			21:28	19.93	95	0.16	
AU08	HZ	14.0	EP			21:28	16.03			-0.01
AU08	HE	14.0	IAML			21:28	20.34	190	0.14	
AU08	HN	14.0	IAML			21:28	20.43	202	0.12	
AU11	HZ	14.0	EP			21:28	15.97			-0.03
AU11	HN	14.0	IAML			21:28	20.16	122	0.18	
AU11	HE	14.0	IAML			21:28	20.21	89	0.10	
AU15	HZ	16.7	EP			21:28	16.16			-0.04
AU15	HN	16.7	ES			21:28	20.46			0.12
AU15	HE	16.7	IAML			21:28	20.73	213	0.12	
AU15	HN	16.7	IAML			21:28	20.77	134	0.14	
AU18	HZ	21.3	EP			21:28	16.50			-0.08
AU18	HE	21.3	IAML			21:28	21.33	210	0.23	
AU18	HN	21.3	IAML			21:28	21.42	108	0.27	
AU05	HZ	24.3	EP			21:28	16.82			-0.01
AU05	HN	24.3	IAML			21:28	21.85	158	0.08	
AU05	HE	24.3	IAML			21:28	22.01	293	0.23	
AV06	HZ	26.6	EP			21:28	17.12			0.03
AV06	HN	26.6	IAML			21:28	22.33	44	0.38	
AV06	HE	26.6	IAML			21:28	22.35	62	0.28	
GDLE	HZ	38.3	EP			21:28	18.31			-0.09
GDLE	HN	38.3	ES			21:28	23.81			-0.34
GDLE	HE	38.3	IAML			21:28	25.06	342	0.22	
GDLE	HN	38.3	IAML			21:28	25.17	244	0.16	
HPK	HZ	51.7	EP			21:28	20.13			0.05
HPK	HN	51.7	ES			21:28	27.03			-0.02
HPK	HN	51.7	IAML			21:28	27.57	89	0.38	
HPK	HE	51.7	IAML			21:28	28.00	75	0.12	
AT12	HZ	67.3	EP			21:28	22.27			0.15
AS07	HZ	72.9	EP			21:28	22.97			0.01
AS07	HE	72.9	ES			21:28	31.71			-0.32
AS07	HN	72.9	IAML			21:28	32.17	156	0.10	
AS07	HE	72.9	IAML			21:28	32.64	80	0.09	
AR05	HZ	76.4	EP			21:28	23.07			-0.33
AR05	HE	76.4	IAML			21:28	33.68	33	0.26	
AR05	HN	76.4	IAML			21:28	33.90	35	0.18	
AS10	HZ	82.3	EP			21:28	24.61			0.42
AS10	HE	82.3	IAML			21:28	35.18	140	0.22	
AS10	HN	82.3	IAML			21:28	35.23	79	0.24	
LBWR	HZ	94.4	EP			21:28	25.54			-0.29
LBWR	HN	94.4	IAML			21:28	38.74	62	0.10	
LBWR	HE	94.4	IAML			21:28	38.77	72	0.10	
AR07	HZ	105.0	EP			21:28	27.65			0.52
AR07	HN	105.0	IAML			21:28	40.94	29	0.24	
AR07	HE	105.0	IAML			21:28	41.36	24	0.18	

December 20 2020 Time: 21:13 22.2 UTC Magnitude: 3.3 ML
Lat: 53.742 Lon: 1.431 Depth: 11.1 km
Grid Ref: 626.23 kmE 432.78 kmN RMS: 0.50 secs
Locality: SOUTHERN NORTH SEA
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0
Comment: 100KM EAST GRIMSBY

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LMK	HZ	121.0	EP			21:13	40.96			-0.64
LMK	HN	121.0	IAML			21:14	00.56	1230	0.28	
LMK	HE	121.0	IAML			21:14	02.05	684	0.58	
WACR	HZ	125.0	EP			21:13	42.26			0.00
WACR	HN	125.0	IAML			21:14	01.68	96	0.32	
WACR	HE	125.0	IAML			21:14	05.38	55	0.26	
AV06	HZ	134.0	EP			21:13	43.93			0.40
AV06	HN	134.0	ES			21:13	59.80			0.69
AV06	HN	134.0	IAML			21:14	00.51	394	0.48	
AV06	HE	134.0	IAML			21:14	01.28	352	0.20	
AU08	HZ	144.0	EP			21:13	45.29			0.36
AU08	HN	144.0	ES			21:14	01.27			-0.27
AU08	HE	144.0	IAML			21:14	05.90	349	0.78	
AU08	HN	144.0	IAML			21:14	07.38	312	0.50	
AU18	HZ	151.0	EP			21:13	46.51			0.54
AU18	HN	151.0	ES			21:14	03.15			-0.18
AU18	HN	151.0	IAML			21:14	05.26	522	0.30	
AU18	HE	151.0	IAML			21:14	05.56	426	0.38	
AU05	HZ	152.0	EP			21:13	46.31			0.19
AU05	HN	152.0	IAML			21:14	04.31	3378	0.38	
AU05	HE	152.0	IAML			21:14	06.35	1290	0.44	
AU15	HZ	161.0	EP			21:13	47.48			0.13
AU15	HN	161.0	IAML			21:14	11.40	478	0.48	
AU15	HE	161.0	IAML			21:14	13.16	667	0.74	
AU07	HZ	162.0	EP			21:13	48.27			0.74
AU07	HE	162.0	IAML			21:14	07.30	1455	0.33	
AU07	HN	162.0	IAML			21:14	07.46	1148	0.29	
AU11	HZ	163.0	EP			21:13	47.93			0.30
AU11	HE	163.0	IAML			21:14	08.07	205	0.32	
AU11	HN	163.0	IAML			21:14	08.25	235	0.54	
GDLE	HZ	165.0	EP			21:13	48.36			0.42
GDLE	HN	165.0	IAML			21:14	09.50	685	0.56	
GDLE	HE	165.0	IAML			21:14	12.35	455	0.24	
ELMS	HZ	186.0	EP			21:13	51.51			1.03
ELMS	HN	186.0	IAML			21:14	16.91	173	0.44	
ELMS	HE	186.0	IAML			21:14	24.28	179	0.34	
HPK	HZ	202.0	EP			21:13	52.35			-0.24
HPK	HN	202.0	IAML			21:14	18.08	558	0.32	

TABLE 2 : PHASE DATA

HPK	HE	202.0	IAML	21:14	18.16	472	0.62	
LBWR	HZ	212.0	EP	21:13	53.27			-0.59
LBWR	HN	212.0	ES	21:14	17.41			0.42
LBWR	HE	212.0	IAML	21:14	19.66	266	0.20	
LBWR	HN	212.0	IAML	21:14	20.11	413	0.30	
CWF	HZ	214.0	EP	21:13	53.63			-0.42
CWF	HE	214.0	IAML	21:14	19.23	64	0.60	
CWF	HN	214.0	IAML	21:14	19.45	131	0.34	
AS02	HZ	227.0	EP	21:13	54.98			-0.67
AS02	HE	227.0	IAML	21:14	24.34	174	0.58	
AS02	HN	227.0	IAML	21:14	25.38	178	0.30	
AS07	HZ	228.0	EP	21:13	55.51			-0.32
AS07	HN	228.0	IAML	21:14	24.93	157	0.56	
AS07	HE	228.0	IAML	21:14	30.41	189	0.38	
AR05	HZ	229.0	EP	21:13	56.85			0.99
AR05	HE	229.0	IAML	21:14	23.32	401	0.40	
AR05	HN	229.0	IAML	21:14	25.38	359	0.30	
AS10	HZ	231.0	EP	21:13	56.38			0.19
AR07	HZ	257.0	EP	21:13	59.62			0.17
AR07	HE	257.0	IAML	21:14	33.29	468	0.30	
AR07	HN	257.0	IAML	21:14	36.06	405	0.28	
AQ05	HN	290.0	IAML	21:14	44.50	219	0.24	
AQ05	HE	290.0	IAML	21:14	44.91	233	0.25	
KESW	HZ	311.0	EP	21:14	05.89			-0.25
KESW	HE	311.0	IAML	21:14	54.91	61	0.68	
KESW	HN	311.0	IAML	21:14	55.00	54	0.44	
HLM1	HZ	319.0	EP	21:14	06.77			-0.43
HLM1	HN	319.0	IAML	21:14	53.10	62	0.32	
HLM1	HE	319.0	IAML	21:14	53.99	58	0.30	
FOEL	HZ	323.0	EP	21:14	07.43			-0.25
FOEL	HN	323.0	IAML	21:14	55.26	100	0.46	
FOEL	HE	323.0	IAML	21:14	55.49	97	0.40	
NEWG	HZ	398.0	EP	21:14	16.38			-0.61
GAL1	HZ	419.0	EP	21:14	18.93			-0.68
EAB	HZ	459.0	EP	21:14	24.86			0.23
INVG	HZ	460.0	EP	21:14	24.70			-0.06
CLGH	HZ	512.0	EP	21:14	30.37			-0.86
BIGH	HZ	624.0	EP	21:14	44.64			-0.64
BIGH	HE	624.0	IAML	21:15	46.13	12	0.40	
BIGH	HN	624.0	IAML	21:15	49.44	7	0.50	

December 22 2020 Time: 18:43 32.3 UTC Magnitude: 0.8 ML
Lat: 56.508 Lon: -5.394 Depth: 4.5 km
Grid Ref: 191.18 kmE 740.25 kmN RMS: 0.20 secs
Locality: BENDERLOCH,ARGYLL/BUTE
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	27.6	EP			18:43	37.34			-0.12
LAWE	HN	27.6	ES			18:43	41.11			-0.13
LAWE	HN	27.6	IAML			18:43	41.18	8	0.12	
LAWE	HE	27.6	IAML			18:43	41.19	11	0.22	
EAB	HZ	74.4	EP			18:43	45.31			0.24
EAB	HE	74.4	ES			18:43	54.27			-0.13
EAB	HN	74.4	IAML			18:43	58.57	5	0.18	
EAB	HE	74.4	IAML			18:43	58.75	4	0.22	
INVG	HZ	83.7	EP			18:43	46.60			0.09
INVG	HN	83.7	ES			18:43	56.66			-0.24
INVG	HN	83.7	IAML			18:44	00.17	9	0.26	
INVG	HE	83.7	IAML			18:44	00.61	8	0.09	
PGB1	HE	96.0	ES			18:44	00.46			0.30

December 25 2020 Time: 00:41 17.4 UTC Magnitude: 0.1 ML
Lat: 53.664 Lon: -3.907 Depth: 3.1 km
Grid Ref: 274.01 kmE 420.33 kmN RMS: 0.40 secs
Locality: IRISH SEA
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 40KM NE AMLWCH

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WPS	HZ	49.0	EP			00:41	26.38			0.12
WPS	HN	49.0	ES			00:41	33.21			0.49
WPS	HN	49.0	IAML			00:41	33.45	2	0.20	
WPS	HE	49.0	IAML			00:41	35.56	1	0.19	
WLF1	HZ	52.9	EP			00:41	26.42			-0.47
WLF1	HN	52.9	ES			00:41	33.23			-0.58
WLF1	HE	52.9	IAML			00:41	34.27	2	0.17	
WLF1	HN	52.9	IAML			00:41	34.99	2	0.13	
IOMK	HZ	79.2	EP			00:41	31.11			0.11
IOMK	HE	79.2	ES			00:41	40.89			-0.03
KESW	HZ	116.0	EP			00:41	36.67			0.03
KESW	HE	116.0	ES			00:41	50.31			-0.37
GAL1	HZ	144.0	EP			00:41	40.96			0.11
GAL1	HN	144.0	ES			00:41	58.48			0.51
HLM1	HZ	145.0	EP			00:41	41.75			0.67
HLM1	HE	145.0	ES			00:41	59.07			0.71

December 25 2020 Time: 06:52 20.4 UTC Magnitude: 2.4 ML
Lat: 55.474 Lon: -5.949 Depth: 7.2 km
Grid Ref: 150.47 kmE 627.11 kmN RMS: 0.30 secs
Locality: KINTYRE,ARGYLL & BUTE
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0
Comment: FELT KILCHENZIE... Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CLGH	HZ	44.8	EP			06:52	28.07			-0.13
CLGH	HE	44.8	IAML			06:52	36.09	102	0.14	
CLGH	HN	44.8	IAML			06:52	38.92	187	0.18	
LAWE	HZ	94.0	EP			06:52	35.74			-0.08
LAWE	HN	94.0	ES			06:52	46.80			-0.29
LAWE	HE	94.0	IAML			06:52	49.63	139	0.14	
LAWE	HN	94.0	IAML			06:52	49.64	84	0.16	
PGB1	HZ	99.6	EP			06:52	36.94			0.24
PGB1	HN	99.6	ES			06:52	48.37			-0.25
PGB1	HN	99.6	IAML			06:52	51.22	696	0.20	
PGB1	HE	99.6	IAML			06:52	51.62	436	0.18	
GAL1	HZ	104.0	EP			06:52	37.56			0.21
GAL1	HE	104.0	IAML			06:52	51.92	169	0.12	
GAL1	HN	104.0	IAML			06:52	52.28	297	0.22	
IDGL	HZ	109.0	EP			06:52	38.27			0.15
IDGL	HE	109.0	IAML			06:52	53.45	102	0.20	
IDGL	HN	109.0	IAML			06:52	54.99	96	0.11	
GGERF	CE	116.0	IAML			06:52	55.25	74	0.41	
GGERF	CN	116.0	IAML			06:52	56.78	77	0.22	
NEWG	HZ	116.0	EP			06:52	39.40			0.14
NEWG	HE	116.0	ES			06:52	52.68			-0.37
NEWG	HE	116.0	IAML			06:52	56.48	186	0.17	
NEWG	HN	116.0	IAML			06:52	55.89	285	0.16	
GGERF	CZ	116.0	EP			06:52	39.63			0.41
EAB	HZ	129.0	EP			06:52	41.29			0.15
EAB	HN	129.0	ES			06:52	56.57			0.27
EAB	HE	129.0	IAML			06:52	58.08	88	0.46	
EAB	HN	129.0	IAML			06:52	58.31	75	0.14	
INVG	HZ	159.0	EP			06:52	45.05			-0.50
INVG	HN	159.0	IAML			06:53	07.59	27	0.18	
INVG	HE	159.0	IAML			06:53	07.88	29	0.15	
ILTH	HZ	163.0	EP			06:52	45.70			-0.29
ILTH	HN	163.0	IAML			06:53	07.79	28	0.16	
ILTH	HE	163.0	IAML			06:53	07.92	47	0.24	
ESK	HZ	175.0	EP			06:52	47.49			-0.10
ESK	HN	175.0	IAML			06:53	10.90	48	0.12	
ESK	HE	175.0	IAML			06:53	12.19	34	0.13	
EDI	HZ	181.0	EP			06:52	48.58			0.28
EDI	HE	181.0	ES			06:53	08.84			0.15
EDI	HN	181.0	IAML			06:53	13.23	42	0.20	
EDI	HE	181.0	IAML			06:53	14.18	54	0.46	
KESW	HZ	207.0	EP			06:52	51.76			0.15
KESW	HN	207.0	IAML			06:53	24.82	30	0.50	
KESW	HE	207.0	IAML			06:53	27.25	37	0.70	
DRUM	HZ	268.0	EP			06:52	58.90			-0.34
DRUM	HE	268.0	IAML			06:53	39.19	18	0.43	
DRUM	HN	268.0	IAML			06:53	39.62	19	0.34	

December 29 2020 Time: 07:46 02.2 UTC Magnitude: 0.4 ML
Lat: 53.679 Lon: -4.103 Depth: 7.9 km
Grid Ref: 261.11 kmE 422.36 kmN RMS: 0.20 secs
Locality: IRISH SEA
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 33KM NNE AMLWCH

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WPS	HZ	40.6	EP			07:46	09.50			0.12
WPS	HN	40.6	ES			07:46	14.45			-0.14
WPS	HE	40.6	IAML			07:46	14.90	4	0.12	
WPS	HN	40.6	IAML			07:46	15.05	3	0.08	
WLF1	HZ	47.5	EP			07:46	10.55			0.08
WLF1	HE	47.5	ES			07:46	16.16			-0.31
WLF1	HE	47.5	IAML			07:46	16.56	6	0.19	
WLF1	HN	47.5	IAML			07:46	16.90	4	0.15	
WIM	EZ	64.2	EP			07:46	13.29			0.18
IOMK	HZ	71.5	EP			07:46	14.26			0.06
IOMK	HE	71.5	ES			07:46	23.00			0.07
AP12	HZ	89.1	EP			07:46	16.80			-0.14
AP12	HN	89.1	ES			07:46	27.37			-0.30
AP12	HN	89.1	IAML			07:46	27.92	1	0.27	
AP12	HE	89.1	IAML			07:46	28.32	2	0.33	
FOEL	HE	107.0	ES			07:46	32.72			0.30
KESW	HZ	120.0	EP			07:46	22.01			0.20

December 30 2020 Time: 23:15 05.3 UTC Magnitude: 0.2 ML
Lat: 56.399 Lon: -3.999 Depth: 4.5 km
Grid Ref: 276.64 kmE 724.75 kmN RMS: 0.10 secs
Locality: COMRIE,PERTH & KINROSS
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
INVG	HZ	4.2	IP		D	23:15	06.80			0.10
INVG	HN	4.2	ES			23:15	07.63			-0.07
INVG	HN	4.2	IAML			23:15	07.77	30	0.06	
INVG	HE	4.2	IAML			23:15	07.77	70	0.09	
EAB	HZ	31.4	EP			23:15	11.20			0.02
EAB	HN	31.4	ES			23:15	15.43			-0.02
EAB	HE	31.4	IAML			23:15	15.56	1	0.10	
EAB	HN	31.4	IAML			23:15	15.69	2	0.08	
LAWE	HN	88.0	ES			23:15	30.77			-0.02
LAWE	HN	88.0	IAML			23:15	31.16	1	0.23	
LAWE	HE	88.0	IAML			23:15	34.18	2	0.27	
ESK	HN	130.0	ES			23:15	42.08			-0.09
ESK	HE	130.0	IAML			23:15	44.24	1	0.18	
ESK	HN	130.0	IAML			23:15	44.91	1	0.35	
NEWG	HN	143.0	ES			23:15	45.44			0.09

TABLE 2 : PHASE DATA

December 31 2020 Time: 11:18 12.0 UTC Magnitude: 1.9 ML
Lat: 55.664 Lon: -3.438 Depth: 7.4 km
Grid Ref: 309.55 kmE 642.10 kmN RMS: 0.40 secs
Locality: SKIRLING,BORDERS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT SKIRLING... Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
EDI	HZ	32.8	IP		C	11:18	17.85			-0.13
EDI	HN	32.8	ES			11:18	22.12			-0.21
EDI	HN	32.8	IAML			11:18	22.36	265	0.13	
EDI	HE	32.8	IAML			11:18	22.40	359	0.25	
ESK	HZ	41.4	EP			11:18	19.37			0.03
ESK	HN	41.4	ES			11:18	24.06			-0.63
ESK	HN	41.4	IAML			11:18	24.64	65	0.11	
ESK	HE	41.4	IAML			11:18	25.20	76	0.17	
GGERF	CZ	53.1	IP		C	11:18	21.23			0.13
GGERF	CN	53.1	ES			11:18	27.65			-0.08
GGERF	CN	53.1	IAML			11:18	27.92	54	0.07	
GGERF	CE	53.1	IAML			11:18	28.47	65	0.22	
PGB1	HZ	67.7	EP			11:18	23.58			0.18
PGB1	HE	67.7	ES			11:18	31.53			-0.19
PGB1	HN	67.7	IAML			11:18	32.08	221	0.30	
PGB1	HE	67.7	IAML			11:18	33.84	213	0.18	
NEWG	HZ	78.9	EP			11:18	24.92			-0.21
NEWG	HE	78.9	ES			11:18	34.54			-0.17
NEWG	HN	78.9	IAML			11:18	38.16	95	0.13	
NEWG	HE	78.9	IAML			11:18	38.63	58	0.10	
EAB	HZ	81.0	IP		C	11:18	25.59			0.10
EAB	HE	81.0	ES			11:18	35.15			-0.17
EAB	HE	81.0	IAML			11:18	39.01	39	0.11	
EAB	HN	81.0	IAML			11:18	39.18	48	0.08	
INVG	HZ	93.0	EP			11:18	27.37			0.04
INVG	HE	93.0	IAML			11:18	41.73	21	0.13	
INVG	HN	93.0	IAML			11:18	42.10	21	0.23	
KESW	HZ	122.0	EP			11:18	32.81			1.03
LAWE	HZ	139.0	EP			11:18	34.90			0.60
AQ12	HZ	144.0	EP			11:18	35.72			0.77
DRUM	HZ	151.0	EP			11:18	36.28			0.30
AR09	HZ	172.0	EP			11:18	39.26			0.25
IOMK	HZ	172.0	EP			11:18	39.74			0.83
CLGH	HZ	181.0	EP			11:18	41.38			1.31
MCD	HZ	214.0	EP			11:18	43.87			-0.28
GDLE	HZ	217.0	EP			11:18	47.64			3.08

TABLE 3

GEOGRAPHIC COORDINATES OF SEISMOGRAPH STATIONS, 2020

Code	Name	Lat	Lon	E (km)	N (km)	Ht (m)	Comp
AP12	ULPHA	54.3100	-3.2670	317.66	491.23	220	BB
AQ01	HOSCAR	53.6068	-2.7944	347.53	412.54	24	BB
AQ02	BANKS	53.6905	-2.8967	340.88	421.94	17	BB
AQ03	WARTON	53.7595	-2.8866	341.65	429.61	23	BB
AQ04	BALLAM	53.7760	-2.9690	336.24	431.51	11	BB
AQ05	STAINING	53.8140	-2.9680	336.62	435.74	11	BB
AQ06	THISTLETON	53.8250	-2.9110	340.13	436.91	28	BB
AQ07	GOOSNARGH	53.8420	-2.6660	356.28	438.62	90	BB
AQ09	RAWCLIFFE	53.8846	-2.9048	340.62	443.54	7	BB
AQ10	GARSTANG	53.9150	-2.8270	345.78	446.86	22	BB
AQ12	SELSIDE	54.4370	-2.7520	351.32	504.88	389	BB
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	BB
AR09	INGLETON	54.2260	-2.4410	371.35	481.23	481	BB
AR10	KELD	54.4264	-2.2169	386.03	503.46	440	BB
AS02	UPPERMILL	53.5542	-1.9856	401.05	406.40	287	BB
AS03	WAINSTALLS	53.7674	-1.9563	402.98	430.12	376	BB
AS07	CARLTON	54.2540	-1.9380	404.14	484.26	411	BB
AS10	WINSTON	54.5520	-1.8320	410.96	517.43	156	BB
AT08	MYTON-ON-SWALE	54.0985	-1.3110	445.16	467.18	19	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	BB
AU09	BARTON-LE-STREET	54.1460	-0.8910	472.54	472.81	103	BB
AU10	KIRBY MISPERTON 1	54.1960	-0.8180	477.21	478.45	20	BB
AU11	EAST NESS	54.1974	-0.9325	469.74	478.49	34	BB
AU13	KIRBY MISPERTON 2	54.1993	-0.7941	478.77	478.84	25	BB
AU14	KIRBY MISPERTON 3	54.2030	-0.8320	476.29	479.21	23	BB
AU15	NORMANBY	54.2285	-0.8794	473.15	482.00	60	BB
AU16	KIRBY MISPERTON 4	54.2385	-0.8125	477.49	483.18	21	BB
AU18	THORNTON DALE	54.2482	-0.7095	484.18	484.38	83	BB
AU20	PICKERING	54.2940	-0.7870	479.05	489.39	151	BB
AV06	GANTON	54.1630	-0.4820	499.21	475.20	173	BB
BIGH	UPPER BIGHOUSE	58.4932	-3.9102	288.75	957.69	70	BBSMR
BRAD	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
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	1R
FOEL	FOEL WYLFA	52.8898	-3.2012	319.27	333.15	449	BBSMR
GAL1	GALLOWAY	54.8664	-4.7114	226.02	555.78	117	BBR
GAT2	GATWICK	51.1440	-0.2210	524.54	139.81	63	BB
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	BB
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

TABLE 3

GEOGRAPHIC COORDINATES OF SEISMOGRAPH STATIONS, 2020

Code	Name	Lat	Lon	E (km)	N (km)	Ht (m)	Comp
HORS	HORSE HILL	51.1760	-0.2090	525.29	143.39	68	BB
HPK	HAVERAH PARK	53.9581	-1.6241	424.66	451.42	233	BBSMR
HTL	HARTLAND	50.9943	-4.4849	225.64	124.66	86	BBSMR
INVG	INVERGELDIE	56.4273	-4.0452	273.96	727.99	279	BBSMR
IOMK	KIRK MICHAEL	54.2605	-4.5662	232.95	488.02	188	BBR
JDC	DAM (CREST)	49.1947	-2.0469			39	SMR
JDG	DAM (GALLERY)	49.1947	-2.0469			7	SMR
JLP	LES PLATONS	49.2486	-2.1039			129	1R
JRS	MAISON ST LOUIS	49.1922	-2.0922			56	3R
JSA	ST AUBINS	49.1878	-2.1717			39	BBR
JVM	VALLE DE LA MARE	49.2169	-2.2067			64	1R
KESW	KESWICK	54.5886	-3.1048	328.70	522.05	282	BBSMR
KPL	PLOCKTON	57.3391	-5.6527	180.21	833.50	13	BBSMR
LAWE	LOCH AWE	56.2601	-5.3990	189.58	712.71	137	BBSMR
LBWR	LADYBOWER	53.4016	-1.7248	418.40	389.45	353	BBSMR
LEWI	LEWIS	58.1446	-6.8696	113.57	927.65	69	BBR
LINV	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
RSBS	ROSEBUSH	51.9530	-4.7448	211.48	231.84	278	BBR
RUSH	RUSS HILL	51.1480	-0.2680	521.24	140.17	99	BB
SOFL	SORNFELLI	62.0689	-6.9658			721	BBR
SPK	SELLA PARK	54.4183	-3.4913	303.24	503.58	50	SM
STAN	STAN HILL	51.1690	-0.2490	522.52	142.54	87	BB
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
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
WIM	ISLE OF MAN	54.1475	-4.6738	225.39	475.73	386	1R
WLF1	LLYNFAES	53.2894	-4.3966	240.27	379.65	58	BBSMR
WME	MYNDD EILIAN	53.3969	-4.3032	246.88	391.40	129	1R
WPS	CAMAES, ANGLESEY	53.4004	-4.4986	233.98	392.19	16	BBSMR
YLL	LLANBERIS	53.1402	-4.1704	254.84	362.57	159	1R
YRC	RHOSCOLYN	53.2508	-4.5753	228.21	375.77	22	1R

Component Codes:

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

TABLE 4

Depth / crustal velocity models used in earthquake locations

Structural area	Depth to top of layer (km)	P-wave velocity (km/sec)	Vp/Vs
North Sea	0.00	6.20	1.73
	12.00	6.50	
	23.00	7.10	
	31.00	8.05	
Lownet and	0.00	4.00	1.73
general UK	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	0.00	5.40	1.68
(Lleyn)	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 e.g.: C/F, see below under comments abbreviations.

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

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

Locality and Comments abbreviations

Clacks	Clackmannanshire
Co Antrim	County Antrim
Northants	Northamptonshire
S Yorkshire	South Yorkshire
Notts	Nottinghamshire
Gtr Man	Greater Manchester
D & G	Dumfries & Galloway
E Dunb'shire	East Dunbartonshire
IOM	Isle of Man
Rhondda CT	Rhondda Cynon Taff
Staffs	Staffordshire
E Yorkshire	East Yorkshire
Heref	Herefordshire
Beds	Bedfordshire
P & K	Perth & Kinross
N Yorkshire	North Yorkshire
Worcs	Worcestershire
W Yorks	West Yorkshire
Co Donegal	County Donegal
…	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.

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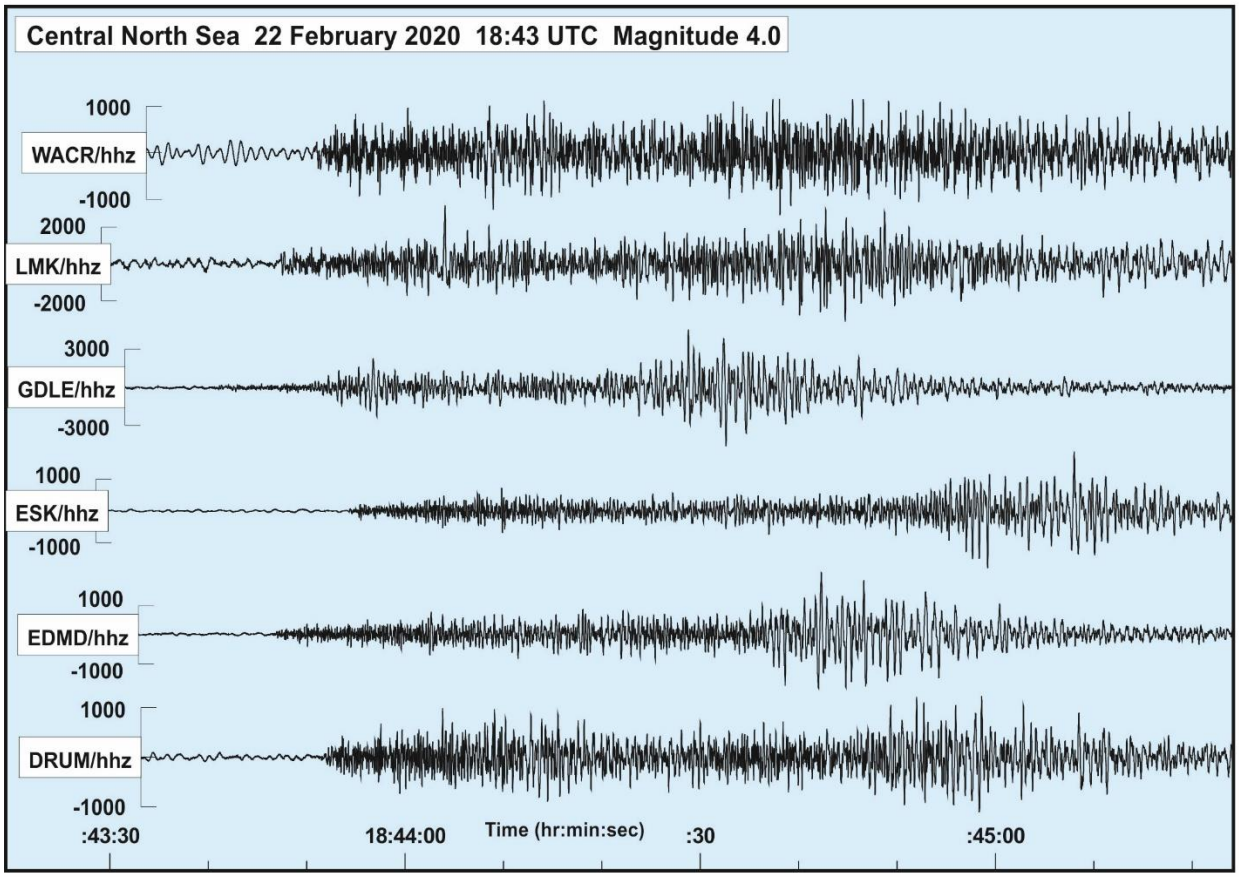
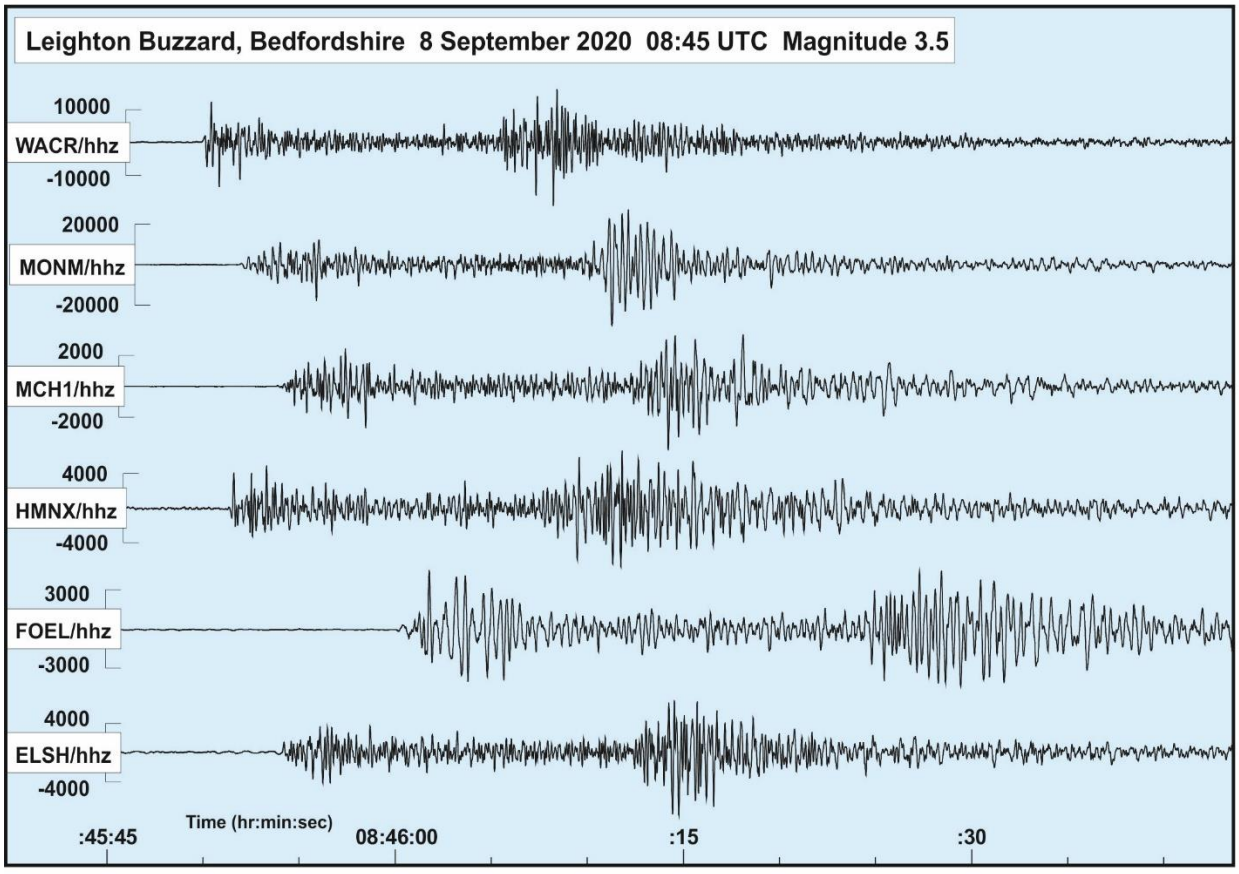


Seismograms of the ground displacements from the magnitude 4.0 ML Central North Sea earthquake on 22 February 2020.



Seismograms of the ground displacements from the magnitude 3.5 ML Leighton Buzzard, Bedfordshire earthquake on 8 September 2020.