

## November 2022

The averaging period used for the following assessment was 1991-2020.

**Most of November was warmer than average, with fewer frosts than average, though it became colder at times towards the end. The month was predominantly unsettled in most regions, with no dry spells longer than three or four days. Sunshine was broadly close to average across the country, albeit with some regional variations.**

The provisional UK mean temperature was 8.2 °C, which is 1.8 °C above the long-term average. Minimum temperatures were around 2½ °C above average in parts of south-east England. This was provisionally the third warmest November in a series from 1884 (only 1994 and 2011 were warmer). Rainfall was well above average overall, with only parts of Scotland and Northern Ireland significantly drier than average, and some places in the Western Isles, eastern Scotland and southern England had double their monthly average rainfall. The UK as a whole had 130% of average rainfall. Sunshine was well below average in some eastern areas, but above average in some other areas, with an overall sunshine figure of 95% of average.

The UK monthly extremes were as follows: A maximum temperature of 21.2 °C was recorded at Porthmadog (Gwynedd) on the 13th. A minimum temperature of -6.0 °C was recorded at Aviemore (Inverness-shire) on the 30th. In the 24 hours ending 0900 UTC on the 11th, 115.6 mm of rain fell at Achnagart (Ross & Cromarty). A wind gust of 100 knots (115 mph) was recorded at Needles (Isle of Wight) early on the 1st.

### Weather impacts

Heavy overnight rain across parts of eastern Scotland on the 1st gave rise to surface water flooding in Aberdeen with several roads in the city reported to be impassable. Further south heavy rain followed by bands of heavy showers impacted the M40 in Buckinghamshire which was closed for a time between J4 and J5, with many minor roads in the area affected by deep standing water. The south coast of England saw very strong winds early on the 1st, with trees brought down and power outages in Hampshire and Dorset. Northern Ireland and south-west Scotland suffered heavy rain on the 2nd, with various roads being affected by flooding in Northern Ireland, and rail services were suspended between Kirkcubbin and Dumfries. Heavy rain on the 2nd also caused rail disruption in south-west England, whilst strong winds in Tayside on the same evening caused a trailer to overturn on the Tay Bridge, resulting in temporary closure.

After heavy overnight rain, flooding impacted both roads and rail services on the 3rd, including some London Underground stations. Parts of Essex also saw roads flooded, whilst numerous Environment Agency flood alerts and warnings were posted across London, Sussex and Kent. Further heavy rain in south-east England led to renewed flooding on the M20 and M25 on the morning of the 6th.

During the 10th and 11th there was prolonged rainfall over the north-west Highlands of Scotland and the Western Isles, with flooding near Gairloch and on the island of Harris.

The 15th to the 18th saw heavy rain in south-east England; flooding affected key routes including the M20, M25, M40 and the A27 where up to 20 cars were trapped. Heavy rain in north-east England was followed by significant disruption to train services around Sheffield later on the 17th. Rain in eastern Scotland, especially parts of Angus and Aberdeenshire, led to widespread impacts with reports of flooding on roads and railways from as far apart as Edinburgh and Inverness. Several severe river flooding warnings were issued by SEPA.

The 21st saw locally intense rain across Wales and south-west England. There were numerous reports of surface water flooding across Pembrokeshire, and also in parts of south-west England with the A30 and A38 adversely affected and the latter closed for a time near Saltash, while a landslip closed the rail line near Honiton, Devon. Heavy rain also impacted Northern Ireland that day, most notably across counties Down and Tyrone. Further bands of locally heavy rain affected the UK during the next few days, but the weather finally calmed down for the last three days.

## England diary of highlights

**The first half of the month was very mild and unsettled, although it did become drier for a time towards mid-month. It was unsettled again for most of the second half, with temperatures nearer normal, though it became drier and colder at the end of the month.**

With the mean temperature for the month provisionally 1.8 °C above the long-term average, this was England's fourth warmest November in a series from 1884. Minimum temperatures were particularly high relative to normal, and the south-east was mildest. Rainfall was above average overall, with Sussex exceeding twice the long-term average amount, and only some northern counties closer to average, giving 145% of average overall. There was 89% of average sunshine, and it was particularly dull in the north-east, but it was sunnier than average for some areas from the Midlands southwards.

### 1st to 9th

Overnight, winds gusted to 115 mph at Needles (Isle of Wight), then the 1st was dry and fine in some eastern parts for a time, but with strong winds and showers or longer spells of rain, heavy at times in the south, all moving bodily east and north, becoming widespread and locally heavy and thundery into the afternoon. The 2nd started dry for most, with just a few showers in the far south, but soon it was cloudy everywhere with rain spreading from the west during the afternoon, though not reaching East Anglia and the south-east until evening. Rain over central and south-eastern parts, heavy at times, eventually cleared away mid-afternoon on the 3rd, with showers elsewhere which were heaviest and most frequent over the south-west. The 4th started colder in the north, with early fog in places and a few showers developing later, but with sunshine for many areas, Yeovilton (Somerset) sunniest with 8.1 hours. Rain spread across all parts on the 5th, becoming more showery through the day except in the north. Fog in many places soon cleared on the 6th, with spells of rain for the south-east all day, heavy and thundery at times, and more showers or longer spells of rain spreading from the west from mid-morning. The 7th was windy, with bands of rain, heavy at times, crossing the country through the day. Further bands of rain and showers crossed the country from west to east during the 8th, turning heavy and thundery at times. Many areas began showery on the 9th, with some heavy in the south-east, the showers becoming more isolated by the afternoon but persisting over the north and south-west.

### 10th to 14th

The next few days remained mild but were drier, although the 10th did see some persistent rain over northern areas and occasional rain or drizzle elsewhere. After a mild night, temperatures at Thornes Park (West Yorkshire) not falling below 14.5 °C, with fog in some central and southern counties, the 11th was mainly dry with just patchy light rain for the north, and it brightened up across the south-east during the afternoon. The 12th was rather cloudy, but the cloud tended to thin and break from most parts away from western coastal counties by the afternoon. Central and eastern counties had mist and fog on the 13th, persisting all day in some areas, with some sunshine elsewhere and very mild, temperatures at Bridgefoot (Cumbria) reaching 19.2 °C. It was sunny for East Anglia on the 14th, but mist and fog covered much of the country, persisting all day in some places, while rain over the West Country, persistent and slow moving, eventually spread east into the West Midlands and central southern counties by evening.

## 15th to 24th

After a dry start for eastern coastal counties on the 15th, rain elsewhere spread slowly eastwards, eventually clearing all parts by early evening, followed by brighter weather from the west but with showers, some heavy, spreading from the south-west from late morning. The 16th was showery for central and southern counties, becoming drier for a time ahead of some persistent and heavy rain spreading eastwards along the south coast, with more showers developing over the north-east later as well. All areas were wet on the 17th, with persistent and occasionally heavy rain for northern, central and south-eastern counties, but areas further west saw some sunshine, with scattered showers for the West Country. The north-east started wet on the 18th, with scattered showers elsewhere and the best of the sunshine over the south-west. The eastern half of the country was cloudy on the 19th, with rain or showers for coastal counties; western areas were brighter, but cloud spread eastwards during the afternoon, with patchy light rain reaching western districts by early evening. Patchy mist and fog soon cleared in central parts early on the 20th, and rain for eastern coastal counties cleared away by late morning, then most areas saw sunny spells and scattered showers ahead of an intense band of rain and isolated thunderstorms crossing the country eastwards from late morning, reaching East Anglia and the south-east after dark. Frost and fog for eastern counties on the 21st soon lifted, with rain, heavy at times, already over the south-west, spreading steadily east and north, reaching all but the very far north-east by evening, replaced later by sunshine and showers from the south-west. Central southern counties were fine on the 22nd, with more cloud and showers over the south-west and along the east coast. Parts of the East Midlands and East Anglia started the 23rd foggy, while rain over the west, heavy at times, spread eastwards, clearing the east coast by early afternoon, the west then turning brighter but with showers quickly developing, these turning heavy, thundery and prolonged in places through the afternoon. The 24th began rather cloudy with isolated showers, ahead of a narrow but very active band of rain and isolated thunderstorms spreading from the west from mid-morning, reaching the east coast around dusk, followed from the west by more showers, some heavy.

## 25th to 30th

The 25th was mainly dry and sunny, but with a few showers for the north and the south-west. Fine weather continued over eastern counties on the 26th, but rain in the west spread erratically into central parts through the day, heaviest in the south-west, White Barrow (Devon) recording 95.1 mm. Whereas most areas were dry on the 27th, albeit cloudy, rain continued south-east of a line from The Wash to the Solent. Apart from mist and fog in parts of the north-east and the East Midlands on the 28th, many areas were fine with sunshine, but with showers along the south coast and in East Anglia. Certain areas began frosty on the 29th, with mist and fog in many places, persisting all day in some places, but it was fine where the fog cleared. The 30th was cold, misty and foggy in many areas, the fog lingering all day in some spots, with an overnight minimum of -5.4 °C and a daytime maximum of only 0.5 °C at Redesdale Camp (Northumberland); southern areas saw a few breaks in the cloud, but East Anglia and the south-east had a few showers, as did parts of the south coast.

## Wales diary of highlights

**Much of the month was unsettled, with any drier spells very brief, but it was warmer than average.**

Mean temperatures for the month were 1.5 °C above the long-term average, making it provisionally the fifth mildest November in a series from 1884, and overnight frosts were notably few. Rainfall was near or just above average in all areas, amounting to 123% of average, with the south-east wettest relative to normal. It was slightly sunnier than average in the north, with 104% of average sunshine overall.

## **1st to 8th**

The 1st was a day of widespread showers or longer spells of rain, heavy and thundery at times. It was also wet and windy on the 2nd, showers and thunderstorms over Anglesey soon clearing away, with a few showers over the south during the morning, but rain spread eastwards, becoming widespread and heavy in places, clearing from the west by evening, Garnswllt Sewage Works (Dyfed) wettest with 65.4 mm, and gusts reaching 79 mph at Capel Curig (Gwynedd). The 3rd was much brighter but with a few showers, locally heavy and thundery. Sunshine and scattered showers typified the 4th. Bands of rain affected all parts at times during the 5th, clearing away eastwards after dark. The 6th was wet and windy, with bands of rain, heavy in places, crossing the country through the day. Further areas of rain were encountered during the 7th, again some of it heavy. The 8th was similar, with some heavy rain and strong winds, some of the rain turning heavy and thundery at times.

## **9th to 14th**

The 9th saw sunny spells, with much fewer showers than of late. It was generally cloudy on the 10th, with persistent but mainly light rain for the west. After a very mild night, temperatures at Hawarden (Clwyd) not falling below 14.6 °C, the 11th was dull once more, the cloud thick enough to produce patchy light rain at times. Cloud broke in places during the 12th to allow some sunny spells. The 13th brought sunshine and warmth, with a maximum at Porthmadog (Gwynedd) of 21.2 °C. Mist and fog in some places early on the 14th gave way to bands of showery rain slowly crossing the country west to east, clearing in late afternoon.

## **15th to 26th**

A broad area of rain moved through by midday on the 15th, followed by brighter conditions for all parts but with further showery rain spreading north from mid-afternoon, reaching all areas by evening. The 16th saw some sunshine, with scattered showers during the morning, then turning drier for a time ahead of increasing cloud with rain spreading along the south coast after dark. Rain persisted over the north and east on the 17th, with scattered showers elsewhere. Sunny intervals and scattered showers on the 18th, Tenby (Dyfed) recording 7.5 hours of bright sunshine. After a frosty start on the 19th, Sennybridge (Powys) recording a minimum of -2.5 °C, cloud increased from around midday, with rain spreading into northern and western counties by early evening. The 20th brought sunshine and scattered showers, but it was drier for a time ahead of a band of heavy rain and thunderstorms spreading across all parts around midday before swiftly moving away eastwards. Rain on the 21st already affecting south-western parts became widespread and occasionally heavy, clearing from south-western areas during the afternoon but lingering over the north-east. The 22nd had showers in the south-west but some brightness too. Widespread and occasionally heavy rain soon cleared eastwards on the 23rd, replaced by sunshine but also with showers turning heavier, thundery and more widespread and prolonged in the afternoon. Showers during the morning of the 24th preceded an area of heavy rain and thunderstorms crossing the country through the middle part of the day, then it became brighter but with further showers and isolated thunderstorms. The 25th was largely sunny with well-scattered showers. It was mainly dry on the morning of the 26th, but in the afternoon an area of rain spread eastwards across the country.

## **27th to 30th**

The 27th was cloudy; showers were few, but some turned locally heavy over Anglesey in the afternoon. As colder weather began to arrive, the 28th was slightly brighter, still with a few showers. Some eastern areas were frosty with mist and fog on the 29th, although otherwise cloud broke at times to allow some sunny intervals. Parts of the north and west were sunny on the 30th, but other areas remained cold, dull and cloudy with mist and fog, with a maximum at Libanus (Powys) of only 4.4 °C.

## Scotland diary of highlights

**The month remained rather mild overall, and it was mostly unsettled, with few dry days.**

Provisional monthly mean temperatures were 1.8 °C above average, with this being the fourth mildest November on record. Rainfall was well above average for the Western Isles and from Dundee to Aberdeen, but rather below average in some other areas, particularly the north, amounting to 121% of average for Scotland as a whole. Sunshine amounts were rather variable, averaging out at 101% of the long-term average total duration.

### 1st to 12th

Rain for central and northern parts cleared away northwards by early afternoon on the 1st, with some showers developing in the west and south during the afternoon. After a dry start, rain soon spread north-eastwards on the 2nd, becoming widespread and heavy in places by early afternoon, persisting into the evening. The 3rd was generally brighter, but with showers affecting western and southern districts at times. Some places began with fog and frost on the 4th, then there was sunshine for many, with scattered showers for the west and south, and Dyce (Aberdeenshire) recording 7.8 hours of bright sunshine. Rain over south-western parts early on the 5th moved east and north to reach all parts by late morning, followed by brighter skies from the west through the afternoon with isolated showers. On the 6th bands of showery rain, heavy at times, crossed the country through the day, but it became drier and brighter later. The 7th was wet and windy, with areas of persistent rain and showers, heavy at times. The 8th started mainly dry and bright, but bands of rain started spreading north across the country from mid-morning, affecting all parts. It was dry and bright in the south and east on the 9th, but with rain or showers elsewhere, turning heavy at times in the afternoon, with more general rain spreading into western districts after dark. The 10th was very windy with persistent and occasionally heavy rain for the north and west, Achnagart (Ross & Cromarty) wettest with 115.6 mm and Loch Glascarnoch (Ross & Cromarty) having gusts touching 72 mph, with plenty of cloud elsewhere and a few showers or outbreaks of mainly light rain. It was particularly mild on the 11th, overnight at Kinloss (Moray) and Prestwick Gannet (Ayrshire) not falling below 14.6 °C and a maximum of 19.1 °C at Lossiemouth (Moray), but also very wet over the north and west with persistent and locally heavy rain, while elsewhere the rain was patchier in nature. There were showers or spells of rain for the Central Belt northwards on the 12th, other areas remaining cloudy but mainly dry.

### 13th to 26th

Fog along eastern coastal districts on the 13th persisted all day in some spots, with many other areas dry and bright. Eastern coasts were foggy again on the 14th, otherwise it was mostly cloudy and dry for most, but rain, slow-moving and locally heavy, persisted over the west coast and the Western Isles. The 15th was very wet with rain, persistent and heavy at times, initially in the west and south, reaching all parts by dusk, but the south-west turning drier by then. Many areas had sunny spells on the 16th, but there was rain for the Northern Isles and showers continuing over the west. Persistent and occasionally heavy rain on the 17th, initially over the eastern half of the country, spread westwards to all parts by the afternoon. Only the south-west was dry on the 18th, with heavy and persistent rain elsewhere. The 19th started fine and bright in the west, cloudier elsewhere, misty and foggy in a few places, with rain for eastern counties persisting all day, and rain also spreading into western parts later. Rain in the east on the 20th cleared away by mid-afternoon, while showers or longer spells of rain continued in central and western areas. After a frosty start for many parts on the 21st, especially in north-eastern areas, and fog in eastern and southern districts, showers developed over the north-east, with rain spreading into the south-west during the afternoon. The 22nd was bright if rather cloudy, with some rain for eastern and

northern parts, locally turning thundery during the afternoon. After a frost in parts of the north on the 23rd, rain over the south-west spread eastwards and northwards to all areas by mid-afternoon, though southern areas became brighter, with showers developing later. Sunshine and showers on the morning of the 24th preceded an area of heavy rain over the west which spread steadily east and north, reaching all parts by mid-afternoon, clearing away after dark but followed from the west by more showers, some prolonged and heavy. The south saw sunshine and a few showers on the 25th but further north there were many showers, heavy and prolonged with isolated thunderstorms. The 26th was broadly dull and wet, with rain spreading from the west through the day, affecting all parts but most especially central and southern areas.

### **27th to 30th**

Eastern and southern areas were dry and bright on the 27th, but the west and north were cloudier with showers, locally heavy and thundery at times. The 28th brought some sunshine, but with isolated showers in the south and over the north-west. After a cold start for many places with frost and mist or fog, lasting much of the day for some, the 29th was fine for most but with some showers for the Western Isles, but remaining cold with the maximum at Balmoral (Aberdeenshire) only 0.8 °C. The 30th started frosty away from the west, Aviemore (Inverness-shire) dropping to -6.0 °C, with fog for eastern and southern parts lingering for much of the day, and rain for western and north-eastern areas, but cloud breaks for inland parts allowed some sunny spells.

## **Northern Ireland diary of highlights**

**The month was characterised by milder than average weather, particularly during the first half, although again it was predominantly unsettled throughout, with only a few short drier spells.**

The mean temperature for the month was 1.3 °C above average, this being provisionally the equal-fourth mildest November in records back to 1884. Rainfall was near or just below normal across the Province, amounting to 97% of the average monthly total. Sunshine was above average, especially to the north, totalling 120% of average.

### **1st to 8th**

Much of the 1st was dry and bright, but with rain in places, heavy at times, from mid-afternoon. The 2nd was windy, with widespread and occasionally heavy rain, this clearing east by early afternoon but quickly followed by frequent, locally heavy and prolonged showers. The 3rd saw very few showers, and was generally sunny with Aldergrove (Antrim) recording 8.1 hours of bright sunshine. Clear spells in the south led to patchy frost on the 4th, while the north was cloudier with scattered showers. Widespread overnight rain cleared away east by lunchtime on the 5th, then it was generally sunny with just the odd light shower. The 6th began dry and bright, but some showers developed in the afternoon. It was windy on the 7th with areas of rain, sometimes heavy, across the country during the day. The 8th was similar, with further bands of rain or showers all day.

### **9th to 13th**

The 9th began generally bright with isolated showers, becoming cloudier from early afternoon with rain spreading from the west after dark, reaching all areas during the evening. It was generally overcast and windy on the 10th, the cloud thick enough at times to give outbreaks of light rain or drizzle in places, with gusts reaching 70 mph at Killowen (Down). It continued cloudy on the 11th, and also very mild, with an overnight minimum of 14.2 °C and the maximum touching 17.7 °C at Magilligan (Londonderry), and a narrow band of rain crossed west to east during the afternoon. After a misty and murky start to the 12th, it was generally cloudy with patchy light rain at times. Cloud broke up through the morning of the 13th to allow some sunny spells, but the afternoon clouded over once more with rain reaching western parts by dusk.

## **14th to 26th**

Widespread and occasionally heavy rain on the 14th cleared away eastwards by early afternoon, replaced by drier and brighter weather. An area of overnight rain cleared away early on the 15th, then all parts became dry and sunny. The 16th was fine, but for a few isolated showers for the east, and chilly with a maximum at Lough Navar (Fermanagh) of only 4.9 °C. Mist and fog for many on the 17th took all day to clear from some places, with some brightness otherwise, but some rain spread into eastern parts after dark. There were sunny intervals and a few showers on the 18th. After a frosty start, Katesbridge (Down) falling to -4.2 °C, the 19th was fine for a time, but cloud increased through the morning with rain spreading slowly from the west, eventually reaching all parts. The 20th brought some sunny intervals but also scattered showers. Rain on the 21st was widespread, persistent and occasionally heavy, Trassey (Down) recording 68.0 mm. It remained rather cloudy on the 22nd with a few coastal showers. Overnight rain cleared away eastwards by mid-morning on the 23rd, then after a sunnier interlude showers spread from the west through the afternoon. An area of heavy rain crossed the Province during the morning of the 24th, clearing away by noon to leave an afternoon of sunshine and showers. The 25th brought sunshine and scattered showers. After a period of rain for all counties on the morning of the 26th, the afternoon was drier and brighter with scattered showers.

## **27th to 30th**

The 27th was rather cloudy at times, with isolated showers. The 28th was broadly fine and dry, though colder. Mist and fog for some inland locations on the 29th persisted for most of the day in a few spots, otherwise it was mainly cloudy but dry. The 30th was generally cloudy with some patchy light rain at times.