

June 2019

The averaging period used for the following assessment was 1981-2010.

June started with a ridge of high pressure which brought warm dry sunny weather to much of the south and south-east, hot for a time in East Anglia, but it was cloudier with rain further north. From the 3rd to 9th a westerly flow brought spells of rain interspersed with brighter showery weather. It turned unseasonably cool, and very wet in places, especially Lincolnshire, between the 10th and 13th, with north-easterly winds. The 14th to 20th was generally warmer but continued unsettled, and thunderstorms affected the south-east overnight 18th/19th. The last third of the month was often warm and humid, with further rain at times and some thundery outbreaks especially in the north, but also some dry sunny weather especially between the 26th and 29th, and the 29th was a very hot day in many areas with temperatures as high as 34 °C in the London area.

The provisional UK mean temperature was 13.2 °C, which is 0.2 °C above the 1981-2010 long-term average. Mean maximum temperatures were mostly close to average but were over 0.5 °C below in east Wales and some western counties of England. Mean minimum temperatures were generally near or slightly above normal. Rainfall was 152% of average, and much of Lincolnshire, the Midlands and east Wales had well over twice the normal rainfall. Sunshine was 95% of average, and it was a dull June in Lincolnshire, the Midlands, the south-west and most of Wales, but sunnier than average in eastern Scotland and also Northumberland, Cumbria and north Lancashire.

The UK monthly extremes were as follows: A maximum temperature of 34.0 °C was recorded at Heathrow and Northolt (both Greater London) on the 29th. Minimum temperatures of -0.3 °C were recorded at Redesdale (Northumberland) and St Harmon (Powys) on the 10th. In the 24 hours ending at 0900 GMT on the 11th, 74.6 mm of rain fell at Wainfleet (Lincolnshire). A wind gust of 55 knots (63 mph) was recorded at Capel Curig (Gwynedd) on the 2nd, and at Culdrose (Cornwall) on the 27th.

Weather impacts

Rain caused some localised flooding in Northern Ireland on the 5th, and on the 7th there was flooding in Plymouth and in parts of Weston-super-Mare. On the 10th, persistent rain contributed to flooding in the north-west and north-east of England, leading to road closures and blocked railway lines, including the line between Carlisle and Wetheral and on the Tyne and Wear Metro. In the Midlands a number of fallen trees also blocked roads. Lincolnshire was especially affected, where the Steeping River at Wainfleet broke its banks and flooding caused over 300 properties to be evacuated, and the railway line between Boston and Skegness was closed for a time. There were also impacts in the south-east with flooding and sink holes causing numerous lane and road closures, and a landslide was reported on the B2110. Lightning damage also occurred locally in Devon. The rain moved northwards on the 12th and 13th and in south-east Scotland river levels rose with emergency plans having to be activated to prevent flooding.

On the 18th and 19th thunderstorms tracked north-north-east through the east of England, where lightning strikes caused disruption, there were power outages, and a number of buildings were struck by lightning. Thunderstorms were associated with some low-impact issues for parts of England and Wales between the 20th and 26th.

On the 29th flooding and lightning caused issues across Northern Ireland and Scotland. In Northern Ireland around 10,000 customers were affected by power outages due to lightning

strikes. The worst hit areas were the Craigavon and Newry areas. Road, rail, tram and airport services were disrupted in Edinburgh. In Stirling, a number of roads were closed due to flooding, including the M9. Power outages were reported across Tayside, Aberdeen and Dundee, and in Dumfries and Galloway lightning strikes locally caused house fires.

England diary of highlights

June began fine and warm in the south-east but cloudier in the north. It was generally unsettled and cool from the 3rd to 20th, and particularly cool, cloudy and wet for most of the country between the 10th and 13th. A ridge of high pressure brought dry sunny weather on the 21st and 22nd, then the rest of the month was mainly warm and humid, with a hot sunny spell from the 27th to 29th.

The mean temperature for June was provisionally 0.2 °C above the 1981-2010 long-term average. Rainfall was 177% of average, making it the 8th wettest June in a series from 1910, and it was particularly wet in the Midlands and Lincolnshire. Sunshine was 90% of average overall, and generally below normal in the Midlands and south-west, but above normal in the far north, and near normal in the south-east.

1st to 6th

A ridge of high pressure and a southerly flow brought dry, very warm and sunny weather to central, southern and south-eastern parts, but the north was cloudier with rain in the north-west spreading north-east and dying out. Outbreaks of rain spread eastwards on the 2nd, but ahead of the rain it was hot in parts of East Anglia and the south-east. Cooler weather established for the 3rd with some scattered showers, mainly in the south-west, following a sunny start in some central, eastern and south-eastern counties. A belt of rain moved northwards on the 4th, and heavy thundery downpours followed in the far south-east. A cool showery regime followed, most of the showers in the west. There were fewer showers generally on the 5th, but rain spread into parts of East Anglia and the south-east. Showers were more widespread on the 6th, when they turned heavy and locally thundery in parts of the Midlands and the west.

7th to 13th

Storm Miguel tracked north-eastwards on the 7th bringing heavy persistent rain, which was followed by heavy thundery showers in the south, where it also turned very windy in places. Rain persisted from the Midlands northwards on the 8th, with sunshine and locally thundery showers in the south. The brighter showery weather affected all parts on the 9th, with some heavy and thundery showers for the south-west in particular, but many eastern areas stayed dry. The night of the 9th/10th was cold in some areas with a minimum of -0.3 °C at Redesdale (Northumberland). Heavy persistent rain in East Anglia and the south-east spread north-westwards to affect most areas, giving 74.6 mm at Wainfleet (Lincolnshire), while ahead of the rain band there were heavy thundery showers in the south-west. Most of the country was chilly with persistent rain on the 11th, with a maximum of only 7.8 °C at Pennerley (Shropshire). The rain became lighter on the 12th, but another area of heavy rain spread north-westwards from East Anglia and the south-east. The far south-east had brighter spells on the 13th but otherwise it was another dull wet day, with Lincolnshire again especially affected, as well as north-east England.

14th to 20th

A south-westerly type became established for a few days which allowed temperatures to return close to the seasonal average. Early rain cleared on the 14th, followed by mostly dry sunny weather for the south and south-east, but elsewhere it was cloudier with showers which were locally thundery. A band of showery rain moved eastwards on the 15th, with some thunder particularly over the West Midlands, but brighter spells to the east and west of the rain band. A

day of sunshine and showers followed on the 16th. A frontal system moved only slowly south-eastwards between the 17th and 19th. Persistent light rain affected some northern counties on the 17th, but it was dry and sunny in the south-east. An area of heavier persistent rain moved north-eastwards across most of the country on the 18th, followed by thunderstorms overnight 18th/19th for the east of East Anglia and the south-east. Sunshine and showers followed into most parts on the 19th but with more heavy rain and local thunder developing in East Anglia and the south-east, and the 20th had sunshine and showers in almost all areas.

21st to 30th

A ridge of high pressure brought warm dry sunny weather by day and cool nights on the 21st and 22nd. An area of mainly light rain spread northwards through western and central counties on the 23rd, while East Anglia and the south-east were fine and warm. Most places were warm and humid on the 24th with thundery downpours in the north early on, then more general rain developed over the south-east and Midlands from late morning, turning thundery over parts of Yorkshire and Lancashire as it moved northwards. Rain was slow to clear northern and central parts on the 25th, with temperatures suppressed in the north-east, but it was bright and warm in the south. The 26th was mostly cloudy, but it brightened up in some areas, particularly in the far north and in the south. The 27th and 28th were mostly sunny and very warm except near the east coast where low cloud persisted in some places, and Morecambe (Lancashire) had 16.5 hours of sunshine on the 27th. It was windy in the south with a gust to 63 mph at Culdrose (Cornwall) on the 27th. Following a warm night with a minimum of 18.6 °C at Gosport (Hampshire), the 29th was hot and sunny for many with 34.0 °C at Heathrow and Northolt (both Greater London), but cloud spread into the west with showers and isolated thunderstorms in the north. The 30th was cloudier and cooler, with some showers in the north.

Wales diary of highlights

The weather was generally changeable with spells of rain interspersed with brighter showery weather until the 9th, and it turned dull, cool and very wet between the 10th and 13th. The changeable weather persisted until the 20th but with temperatures closer to normal. The last third of June had some warm sunny weather, particularly between the 26th and 28th, but also some further outbreaks of rain at times.

The mean temperature for the month was provisionally 0.1 °C above the 1981-2010 average. It was generally a cloudy and very wet June, provisionally the 4th wettest in a series from 1910, with 185% of average rainfall and 83% of average sunshine. However, the far north-west had near average rainfall and slightly above average sunshine.

1st to 9th

A weak ridge of high pressure brought warm sunshine to some southern and central parts on the 1st, but some rain affected the north, this moving away north-east. A belt of showery rain moved in from the west on the 2nd, clearing mid-afternoon followed by brighter weather, and it turned windy and cooler with gusts to 63 mph at Capel Curig (Conwy). After a day of sunshine and showers on the 3rd, with most of the showers in the south, general rain moved north-eastwards across the country on the 4th followed by brighter showery weather in the south and south-west. Showers in western parts early on the 5th died out, and otherwise it was a dry day with plenty of high cloud but some sunshine. The 6th was another day of sunshine and locally thundery showers, then Storm Miguel brought persistent rain, heavy in places, on the 7th, and this persisted across the north for most of the 8th as well. Southern areas became brighter with scattered showers from the evening of the 7th. The 9th had sunshine and showers, with scattered thunderstorms for eastern parts.

10th to 13th

A dull cold wet spell followed between the 10th and 13th, with slow-moving fronts and northerly and north-easterly winds. There was a bright start on the 10th following a cold and locally frosty night, with a minimum of $-0.3\text{ }^{\circ}\text{C}$ at St Harmon (Powys), followed by rain spreading from the east, while heavy thundery showers developed ahead of the rain band across the south. The 11th was a generally wet day with 44.2 mm at Hawarden (Clwyd). There was further rain on the 12th which eased and gradually cleared northwards, and Lake Vyrnwy (Powys) only reached $7.9\text{ }^{\circ}\text{C}$. The rain turned more showery on the 13th.

14th to 20th

The winds changed to a mainly south-westerly direction bringing warmer weather but it remained unsettled. A band of rain moved north-eastwards across the country on the 14th, followed by sunshine and scattered showers, and further showery rain moved north-eastwards on the 15th. The 16th was a day of sunshine and showers and it became breezy in many areas. A cold front moved slowly and erratically south-eastwards on the 17th and 18th, bringing some persistent light rain on the 17th, and heavier rain spread from the south on the 18th following a dry start. Some showers affected southern and eastern areas on the 19th, and it was mainly cloudy in the east but dry and sunny in the west. Most places had sunshine and scattered showers on the 20th but it became mostly dry in the afternoon, especially in the west.

21st to 30th

A ridge of high pressure brought dry sunny weather on the 21st and 22nd, and by the 22nd it was generally warm. A belt of rain moved northwards through the country on the 23rd, followed by a mostly cloudy day on the 24th but with sunny spells in the south. Rain spread northwards on the 25th, turning lighter and more patchy and dying out in the afternoon. There was also fog in places on the 24th and 25th. The weather became very warm and sunny between the 26th and 28th following early low cloud and fog patches, and Valley (Anglesey) recorded 15.7 hours of sunshine on the 27th. A weak front moved eastwards across the country on the 29th but only brought a few showers across the north, and Usk (Monmouthshire) reached $29.9\text{ }^{\circ}\text{C}$. The 30th was cooler and cloudier with isolated showers in the south, but sunshine increasingly broke through in the afternoon.

Scotland diary of highlights

The weather was generally unsettled until the 21st, with a wet first week, a cool spell in the second week and then a mix of sunshine and showers for much of the third week. From the 23rd onwards it became very warm, even hot at times, with a fine spell on the 26th to 28th followed by a thundery breakdown for the south and east of the country.

The mean temperature for June was provisionally $0.3\text{ }^{\circ}\text{C}$ above the long-term average. Both rainfall and sunshine were generally close to or just above normal, but it was a wet June in parts of the far south-east. Overall Scotland had 115% of average rainfall and 106% of average sunshine.

1st to 7th

Following a cool start with a minimum of $0.0\text{ }^{\circ}\text{C}$ at Durriss (Aberdeenshire), the 1st was mainly cloudy with showery rain in the west spreading northwards, and some drizzle in the south, but it was brighter in the far east and north-east. Rain cleared north-eastwards on the 2nd followed by sunshine and showers, and the showery regime continued on the 3rd, when most places were also cloudy, though the north-east was relatively warm and sunny. It turned very windy with a gust to 52 mph at Wick (Caithness) on the 3rd. The 4th had sunshine and some showers in the north, but rain, heavy and persistent in places, spread from the south during the afternoon. The rain

band became slow-moving and persisted over most parts on the 5th but turned more showery over the east and south. Rain continued in the north on the 6th, but it was mostly dry and sunny in the south. Most areas started fine on the 7th but rain spread into the south from late afternoon.

8th to 13th

With low pressure systems tracking further south than usual, it was generally cool and the driest and sunniest weather was often in the north-west. Persistent rain affected the south and east on the 8th, becoming confined to eastern areas with sunshine and showers further west, and the 9th was a day of sunshine and showers for all parts. There was sunshine and scattered showers for central and southern areas on the 10th, while the north-west was dry and sunny. Most places were cloudy on the 11th with showers across the north, but some western parts had sunny spells. A belt of rain and drizzle affected mainly eastern and southern areas on the 12th, with a maximum of only 8.2 °C at Tomnavoulin (Aberdeenshire). Heavier rain spread from the south, with 41.2 mm at Charterhall (Borders), and this persisted in eastern areas on the 13th, but it was drier with some sunshine in the west and north-west.

14th to 22nd

The winds changed to a mainly south-westerly direction which brought warmer weather but it remained unsettled, mostly with sunshine and showers. The 14th had sunshine and showers and some longer spells of rain for the far north-west, then the 15th saw rain in western parts moving away north-westwards, followed by sunshine and scattered showers. There was a mix of sunshine and showers for most parts on the 16th, 17th and 18th; the far north saw a transient band of persistent rain on the 16th, and the showers were locally thundery on the 17th. The showery weather continued on the 19th and 20th, with thunder in the far north-east on the 20th. Showers were fewer on the 21st, especially in the south, and were mostly confined to the far north on the 22nd, with other areas dry and bright.

23rd to 30th

The 23rd was mostly dry and sunny except for a few showers over the Highlands and some low cloud near the east coast, but rain reached the south by evening. The rain moved northwards through eastern parts early on the 24th, followed by showers and thunderstorms across southern and central regions. The 25th was a mostly cloudy day, though the west and north-west were brighter, with rain reaching the Borders by early evening. It became progressively warmer and sunnier on the 26th, 27th and 28th, with low cloud increasingly confined to coastal fringes. Kinloss (Morayshire) recorded 17.0 hours of sunshine on the 27th, and Achnagart (Inverness-shire) reached 30.0 °C on the 28th. A front moved slowly eastwards on the 29th bringing showers and longer spells of rain, with thunderstorms in the south spreading northwards through eastern counties later in the day. The 30th was much cooler with widespread showers and longer spells of rain, though drier in the north-east.

Northern Ireland diary of highlights

June was a generally unsettled month but with close to average sunshine. There was some warm sunny weather in the last third of the month, particularly between the 26th and 28th, but it was generally cool until the 20th and especially cool in the second week.

The mean temperature for June was provisionally 0.1 °C below the long-term average. Rainfall totals showed considerable regional variation but were mostly somewhat above normal, with 148% of the average overall. Sunshine was 104% of average.

1st to 8th

The 1st was a mostly cloudy day, with a little sunshine but also isolated pockets of light rain or drizzle. Sunshine and blustery showers followed on the 2nd and 3rd, and it was windy on exposed coasts. A large area of rain spread from the south-west on the 4th, heavy in places, giving 48.4 mm at Armagh (County Armagh), and this persisted during the day on the 5th also. The rain cleared by the 6th leaving sunny intervals and scattered showers, with more persistent rain in the south-west for a time. The 7th was mostly dry and bright but with cloud increasing from the east, and rain reached the east by late afternoon. The rain cleared away north-eastwards again on the 8th leaving sunshine and showers, the showers locally thundery.

9th to 13th

A northerly type developed, with temperatures generally below the seasonal average, but Northern Ireland missed most of the persistent rain that affected much of Britain, and stayed in a mostly bright and showery regime. There was a mix of sun and showers on the 9th, the showers heavy and locally thundery, then after a foggy start in some places the 10th had generally fewer showers, most of them in the west. There were further scattered showers on the afternoon of the 11th following a dry bright start. The 12th was mostly cloudy with light rain across the south, but with sunshine in the north-west, and the 13th was a mostly dry cloudy day with a little rain in places.

14th to 20th

A warmer, unsettled west to south-westerly type took hold. Katesbridge (County Down) fell to 1.2 °C early on the 14th, with a sunny and dry start followed by showers and longer spells of rain spreading from the south. The rain cleared north-eastwards during the 15th followed by sunshine and scattered showers, and the 16th again saw longer spells of rain spread from the south-west after a dry sunny start. There was a mix of sunshine and showers from the 17th to 20th inclusive, with frequent and locally thundery showers on the 17th and 20th, and generally fewer showers on the 18th and 19th.

21st to 30th

A ridge of high pressure brought dry sunny weather on the 21st and 22nd, and the 22nd was slightly warmer. The 23rd was much cloudier, with early light rain followed by heavier, persistent rain spreading from the south-west from late afternoon. Most places were dry and cloudy on the 24th, but showers and thunderstorms affected the east in the early afternoon. The 25th was cloudy with a little light rain. The weather turned warm, dry and sunny from the 26th to 28th following clearance of early low cloud. On the 27th, Castlederg (County Tyrone) reached a maximum of 25.9 °C and Thomastown (County Down) recorded 15.4 hours of bright sunshine. A frontal system moved eastwards resulting in a warm night on the 28th/29th with a minimum of 16.2 °C at Giants Causeway (County Antrim). Heavy showers and thunderstorms moved north-eastwards on the 29th, thunderstorms especially affecting eastern counties, clearing in the afternoon. The 30th saw a return to sunshine and showers.

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