

June 2021

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

The first half of June was largely dry and warm, though less settled over Scotland towards mid-month. The second half saw temperatures broadly nearer to average, with some days very cool for the time of year, and numerous showery days over England including some thunderstorms, and some heavy convective outbursts especially in the south-east.

The provisional UK mean temperature was 14.2 °C, which is 1.2 °C above the 1981-2010 long-term average. Mean maximum temperatures were up to 2 °C above normal in some northern areas, while mean minimum temperatures were similarly high in parts of eastern England. Most areas from Wales and the Midlands northwards had a dry month, with less than a third of the usual rainfall in some areas, but south-east England was very wet with more than double the average rainfall for some locations. The UK overall had 59% of average June rainfall. Sunshine was above average for northern and eastern areas, but just below average for some western fringes, with 107% of average overall.

The UK monthly extremes were as follows: A maximum temperature of 29.7 °C was recorded at Teddington Bushy Park (Greater London) on the 14th. A minimum temperature of -2.4 °C was recorded at Altnaharra (Sutherland) on the 22nd. In the 24 hours ending at 0900 GMT on the 28th, 74.0 mm of rain fell at Princetown (Devon). A wind gust of 47 knots (54 mph) was recorded at Loch Glascarnoch (Ross & Cromarty) on the 10th.

Weather impacts

There were thunderstorms in parts of England on the 2nd, 7th and 17th. The last of these covered south-eastern counties, with reports of flooding in Hythe, Folkestone and Eastbourne, while a water pumping station was struck by lightning causing damage and a power cut. Then on the 18th flooding across the east of England caused disruption to some bus services in Lowestoft and in Hatfield. A number of mobile rapid covid test sites across the east of England closed due to heavy rain and flooding. In London the A102 Blackwall Tunnel Northbound was closed due to flooding, with trains between Caterham and Purley suspended due to flooding. Tennis matches at The Queens Club championships were delayed by rain, and flooding was reported across Basingstoke and parts of Buckinghamshire. There were reports of flooding on the A316, and fallen trees in Rushmoor and Farnborough. A family was rescued when flood water entered their home in Hastings, and there were reports of flooding to a number of properties in the Thames Valley area. In the south-west there were reports of flooding in Wimborne and Colehill.

On the 25th thunderstorms developed across Powys and parts of the West Midlands, and around London and parts of Essex. In the Birmingham and Solihull area there were reports of flooding in properties and on some roads including the M42. In London and Essex there was flooding on the rail lines between Romford and Shenfield, with delays to services from Liverpool Street and Southend Victoria. A tornado in Barking caused damage to houses and roads. Another suspected tornado in East London damaged cars and knocked down fences. Further unsettled weather on the 28th caused flooding on the M3 junction 1 exit slip, and on the M4 at junction 3.

England diary of highlights

The first half of June was predominantly warm and dry, especially at the start. It was less settled during the second half, with fluctuating temperatures and numerous episodes of rain or heavy showers, some of these thundery with large rainfall totals in southern areas.

The mean temperature for June was provisionally 1.3 °C above the 1981-2010 long-term average. The monthly-mean minimum temperature ranked equal second highest in a series from 1884. Rainfall was over double the average over much of the south-east, but it was much drier from the Midlands northwards, with less than a third of average in parts of the north, and an overall figure for England of 77% of average. Sunshine was above average in the north and nearer average to the south, with 107% overall.

1st to 8th

The 1st was mainly sunny and warm, apart from fog persisting on some eastern coasts, with 15.8 hours of sunshine at Whitby (North Yorkshire). Most places started fine on the 2nd, but showers spread from the south-west, initially with isolated thunderstorms, reaching central and north-western parts by early evening, while low cloud off the North Sea affected north-eastern parts at times. The 3rd was cloudier, with isolated showers in some areas, but it brightened up in the east through the day. On the 4th an area of rain spread from the south coast towards eastern England, keeping it cooler, while other areas remained fine. Fog affected parts of the East Midlands and south-east early on the 5th, but all areas were sunny by lunchtime, apart from the south-west which saw scattered showers. Southern coasts had fog on the 6th, otherwise it was generally bright or sunny, but with showers for the south-west, Midlands and eastern counties, some turning thundery late in the afternoon. Fog along many southern coasts on the 7th cleared by mid-morning, but there were showers through the east Midlands and parts of the north, with thunderstorms developing over Lincolnshire and over the North York Moors during the afternoon. The north was cloudy on the 8th, with most other areas sunny.

9th to 16th

Most areas began the 9th with sunshine; cloud in the far west and north spread eastwards with patchy rain and drizzle, though most of East Anglia and the south-east remained fine. It was generally cloudy on the 10th except in eastern counties, with mist and fog for western coasts, and rain and drizzle affecting central and western parts at times. The south coast remained misty on the 11th; most areas were cloudy, with patchy rain across parts of the north. Most areas were sunny on the 12th, with warm sunshine continuing in the south on the 13th while it was cloudier in the north with a few showers later. The southern half of England was sunny, and very warm in places with maximum temperature 29.7 °C at Teddington Bushy Park (Greater London), but cooler air with cloud and patchy rain over the north spread gradually south through the day, this rain fizzling out. Most areas were sunny and warm on the 15th, but the north clouded over during the afternoon with isolated showers. Many areas began fine and sunny on the 16th, though it was cloudier in western and northernmost counties with patchy rain or drizzle; cloud increased from the south in the afternoon with isolated showers, then an organised area of rain with thunderstorms reached the south-east in the evening.

17th to 24th

After a warm night in the south-east, temperatures not dropping below 18.6 °C at St James's Park (London), the 17th saw rain across the north-east, an area of locally heavy rain and thunderstorms over the south-east moving north into East Anglia during the morning, clearing in the afternoon, and a further area of rain over the south-west spreading across southern counties and into the Midlands. Heavy rain early on the 18th over central and eastern counties progressed slowly north, with isolated thunderstorms for easternmost parts during the morning; other areas were dry but cloudy. The 19th was mostly cloudy, starting dry, but with showers moving into south coast counties after lunch, and more significant rain affecting central southern and south-eastern districts later in the afternoon. The 20th was predominantly cloudy, with showery rain for some areas in the morning, the showers becoming confined to the south coast in the afternoon, and the north brightening up at the same time. The 21st saw patchy rain in the north, and persistent and

locally heavy rain for all places south of a line from East Anglia down to Cornwall; winds were strong in exposed parts in the south, gusting to 39 knots (45 mph) at Needles (Wight). After a cold night in the north, minimum temperature -0.2 °C at Shap (Cumbria), the 22nd became fine for most parts, rain clearing from the south by midday, but cloud bubbling up across the country during the afternoon. The 23rd began sunny and cool, though cloud in the far north and north-west, with patchy rain and drizzle, spread south to reach central and south-western areas by late afternoon, other areas remaining fine and sunny. The south-east started fine on the 24th, while patchy rain or showers over central and northern parts moved steadily south, isolated thunderstorms developed over Teesside and the North Yorkshire Moors early in the afternoon with locally very heavy rain, and more significant rain reached north-western counties before teatime.

25th to 30th

Fog was slow to clear parts of the north-east coast on the 25th, making for a cool day, temperatures not exceeding 10.5 °C at Brizlee Wood (Northumberland), while rain cleared away from southern counties into the early part of the afternoon but persisted over the north, with isolated thunderstorms breaking out over the Midlands and a tornado reported over east London in the evening. Eastern coasts again were misty early on the 26th, which was a mostly cloudy day, with patchy rain and drizzle affecting the north, but central and southern areas brightened up in the afternoon, before rain spread into the south-west and showers developed in the south-east and south Midlands around teatime. The east coast once again saw mist and fog early on the 27th, while all areas remained generally cloudy, with showers or longer spells of rain in southern counties through the day, locally heavy at times, and occasional thunderstorms; there was 74.0 mm of rainfall at Princetown Prison (Devon). The 28th started very wet for central and southern counties, with showers or longer spells of rain spreading north and west, clearing many areas by noon but persisting through parts of the Midlands, with further showers or longer spells of rain moving into the south-east and East Anglia, these spreading west and north, and isolated thunderstorms along southern coasts. Bands of showers persisted through the 29th in central and southern counties, while other areas away from eastern coasts were brighter. Patchy rain and drizzle in eastern parts on the 30th became more showery later; in western areas cloud broke up to allow warm sunshine, though enough cloud built up in the south-west during the afternoon for isolated light showers to develop.

Wales diary of highlights

The first part of the month was mainly sunny and warm. The remainder of the month saw fluctuations in temperature either side of average, with some fine weather and also a few wetter days, but generally few notable falls of rain.

Mean temperatures for the month were provisionally 1.0 °C above average. It was a notably dry month across Wales, with just 37% of average rainfall. Sunshine totals amounted to 100% of the long-term average, with Anglesey brightest and Pembrokeshire dullest relative to normal.

1st to 8th

The 1st was mainly sunny and very warm; after a sunny start on the 2nd, cloud increased from the south, with a band of rain moving north through most parts, heavy at times, and isolated thunderstorms in the far south at first, the rain mainly affecting northern counties by evening. The 3rd began rather cloudy, but it slowly brightened up through the day. The 4th was sunny, with 15.7 hours of sunshine at Valley (Gwynedd). After a fine start on the 5th, cloud increased from the west through the morning with scattered showers in south-western counties from around lunchtime. The 6th was cloudy, with showers developing during the afternoon, and isolated thunderstorms around early evening. After early patchy fog in central parts on the 7th, it was fine if rather cloudy, with just isolated light showers. The 8th was generally sunny.

9th to 11th

The 9th began bright in the east, but was otherwise cloudy with patchy rain and drizzle, misty on western coasts, and breezy at times. The 10th was generally overcast, with mist and fog around coasts, and patchy rain or showers for most parts during the day. It was mild overnight into the 11th, temperatures not dropping below 16.2 °C at Hawarden (Clwyd), then generally cloudy, with patchy light rain mainly in the west, and winds were strong in exposed parts, with a gust of 43 knots (49 mph) at Capel Curig (Gwynedd).

12th to 17th

The 12th was largely sunny, as was the 13th albeit rather cloudier across the north, and very warm in places, maximum temperature 27.4 °C at Bute Park (Cardiff). The 14th was fine but rather cloudy. It was mostly sunny on the 15th, with just a few isolated showers in the far north during the afternoon. The south-east was mainly sunny on the 16th, while western and northern counties were cloudier, with patchy fog affecting western coasts, and pockets of rain or drizzle. The last of the overnight rain cleared east early on the 17th, then it was dry for a time before showery rain arrived from the south during the afternoon.

18th to 30th

The 18th was mainly cloudy, with rain in the east late in the afternoon. It was cloudy again on the 19th with isolated showers, and more significant rain in the south-east by evening. Patchy rain affected most parts at times during the 20th. The 21st was cloudy, with patchy rain spreading into the south from mid-afternoon. The 22nd was fine, with sunshine for some. After a cold night, with a minimum temperature of -0.5 °C at St Harmon (Powys), the 23rd started mainly sunny away from western and northern counties, with rain and drizzle becoming increasingly widespread as it moved south during the day to affect most parts. Fog over western parts did not clear until late morning on the 24th, while the east saw some morning rain, with more rain skirting the north by late afternoon. On the 25th showers or longer spells of rain spread from the north during the morning, reaching all parts by late afternoon, giving 31.6 mm of rainfall at Bethesda Quarry (Gwynedd), with isolated thunderstorms in parts of the east around teatime; it was cool in places, temperatures not exceeding 12.5 °C at Sennybridge and Lake Vyrnwy (both Powys). The 26th started cloudy, with scattered showers in the south, turning drier and brighter into the afternoon. The 27th was generally cloudy, with scattered showers in the south. Early rain on the 28th, heavy at times, cleared away westwards, then it turned dry for a time before further mainly light rain crossed northern and central counties during the afternoon. The 29th saw bands of showers crossing the country, before it turned drier and brighter during the afternoon. It was brighter to start the 30th, though low cloud lingered along some far western coasts, then enough cloud built over central parts to create some isolated thundery showers in the afternoon.

Scotland diary of highlights

The first week of June was mostly warm and dry, after which temperatures were more variable. It became unsettled for a time towards mid-month, but most of the second half was drier.

The provisional mean temperature for the month was 1.2 °C above the long-term average, and maximum temperatures were 2 °C above average across the north-east. It was a dry month except in some western parts, Scotland having 44% of average rainfall. Sunshine was above average except in the Western Isles, with an overall figure of 112% of average.

1st to 7th

Fog affected the east coast early on the 1st, after a mild night with temperatures not dropping below 16.2 °C at Achnagart (Ross & Cromarty), then there was sunshine in the east but more cloud further west with rain for the Western Isles. Many areas were sunny and dry on the 2nd,

after isolated fog patches at first, and it was warm in most places away from eastern coasts, with a maximum temperature of 25.6 °C at Prestwick, Gannet (Ayrshire), but cloud increased from the west later with isolated showers in the far west, as low cloud spread in across North Sea coasts. The north-east was sunny on the 3rd, while other areas were cloudier with scattered showers. The 4th was similar, with cloud and showers for the west and some sunshine in the east. Southern and eastern areas started sunny on the 5th, with 15.9 hours of sunshine at Dyce (Aberdeenshire), while the north and west had more cloud, with showers slowly spreading east to affect most places by late afternoon. The 6th was a fine day, with sunshine for some, and just a few showers developing late in the day over the Grampians. The 7th brought scattered showers for the west coast and over the Borders, but was fine and bright elsewhere.

8th to 15th

The 8th was cloudy and breezy, with patchy rain or scattered showers mainly for the west. The 9th continued breezy and cloudy, with some rain and drizzle, most widespread and persistent in northern and central parts, mostly moving off north-eastwards during the afternoon, leaving just patchy rain, and brighter interludes developing in some northern and eastern parts. Most areas were dull on the 10th, with mist and fog slow to clear in the south-west, and rain or drizzle for most parts through the day, with strong winds in exposed places and a gust of 47 knots (54 mph) at Loch Glascarnoch (Ross & Cromarty). Many places again had rain and drizzle during the 11th, but some areas became drier and brighter during the afternoon. The 12th was sunny for some areas, but rather cloudier in the far west with patchy light rain. After a sunny start in the north-east on the 13th, it was soon cloudy everywhere with showers or longer spells of rain across the west and north, patchy rain and drizzle elsewhere, and showers spreading into south-western parts towards evening. After early brightness in the east on the 14th it was generally cloudy, with showers for central and western parts. Sunshine in eastern areas on the 15th was short-lived, with patchy rain across parts of the north-west ahead of more general rain spreading into western and central districts from late morning, turning locally heavy and persistent in places during the afternoon.

16th to 25th

The 16th was mainly cloudy in southern and eastern parts, with patchy rain, and fog patches at first in the far east, but brighter and mainly dry elsewhere, though with isolated showers in the far north-west, and breezy in exposed parts. Many areas saw some sunshine on the 17th, with scattered showers in the north. The 18th was mostly fine and bright, with scattered showers over the north-west, and rain skirting the Western Isles late in the afternoon. Showers or longer spells of rain affected all areas at times through the 19th, and the 20th was also predominantly cloudy with showers for central and northern areas. There was some sunshine on the 21st, with scattered showers mainly in the north. After a cold clear night, minimum temperature -2.4 °C at Altnaharra (Sutherland), the 22nd saw sunshine before rain spread across the Western Isles by lunchtime, continuing south and east into western mainland counties by early evening. The 23rd began mostly cloudy, with patchy rain and drizzle, though with sunny spells in eastern parts around the middle of the day, the rain becoming more persistent and intense for a time over central parts, then sinking south-eastwards and fragmenting. The 24th began dull with patchy rain, then an area of locally heavy rain over the north-west moved south and eastwards to reach all parts by late afternoon, but it turned drier from the north later. Rain over the Borders early on the 25th moved away south during the morning, with showers or longer spells of rain for all other parts through the day, giving 32.9 mm of rainfall at Nunraw Abbey (East Lothian), on a cool day with temperatures not exceeding 9.6 °C at Aviemore (Inverness-shire).

26th to 30th

The 26th was mostly cloudy, with patchy light rain and drizzle for the east coast and the Central Belt, and rain reaching the far north late in the day. The 27th brought isolated showers around coastal parts during the day. After a sunny start in central parts on the 28th, cloud increased, with

patchy rain for eastern counties for most of the day, spreading to central and southern districts during the afternoon. Many areas were sunny on the 29th, but coasts were cloudier with patchy mist and fog. The 30th was cloudier, but the cloud thinned out during the morning and early afternoon bringing brighter spells to most parts.

Northern Ireland diary of highlights

The first half of June was mostly rather warm, with temperatures more variable during the rather more unsettled second half; even then rainfall totals were mostly modest with only three or four wetter days.

The mean temperature for June was 0.9 °C above the 1981-2010 average. It was a rather dry month, particularly towards the south, with 52% of average rainfall. Sunshine was 96% of average.

1st to 7th

The 1st began cloudy, with rain skirting the far west, but it brightened up somewhat through the afternoon. The 2nd began fine, though cloudy towards the west and south-west, with showers developing, mainly in far western parts. Isolated showers cleared from the east during the morning of the 3rd, then it turned brighter everywhere. It was rather cloudier on the 4th, with scattered showers chiefly across the west. The 5th saw scattered showers, locally heavy, or longer spells of rain in all parts at times through the day. Cloud amounts were variable on the 6th, with one or two isolated showers. After a cloudy start on the 7th it became brighter but with scattered showers developing during the afternoon.

8th to 17th

The 8th was cloudy with patchy rain or showers. The 9th brought patchy rain and drizzle, but it briefly brightened up for a time later, and was breezy at times. It was a mild night, temperatures not dropping below 16.0 °C at Aldergrove (Belfast), then the morning of the 10th was cloudy with patchy rain or showers, though it turned brighter for a time in the afternoon. The 11th was cloudy with patchy light rain, and the 12th was similar with light rain or scattered showers during the afternoon. The 13th started sunny in the north and became warm with maximum temperature 25.3 °C at Giant's Causeway (County Antrim), but was cloudier in the south, becoming cloudy everywhere with showers from late afternoon. The 14th was cloudy with patchy rain or scattered showers. Rain moved across all parts during the morning of the 15th, then it turned dry for a time ahead of further rain for northern and western counties. The 16th was dry for many, with sunshine at times but also isolated showers, then the 17th again brought sunshine and scattered showers.

18th to 23rd

The 18th was dry with sunny spells. It was cold overnight, minimum temperature 0.4 °C at Katesbridge (County Down), then the 19th was cloudier, with any scattered showers dying out in the afternoon. Apart from a few scattered showers in the north and west, the 20th was mainly fine with sunshine. The 21st was largely sunny, with 15.2 hours of sunshine at Aldergrove. After a cloudy start on the 22nd, it was brighter for a while before rain moved into the west and spread to all but the far east by evening. The 23rd was mainly overcast, with patchy rain and drizzle, though later on cloud broke over far western parts with sunny spells developing.

24th to 30th

The 24th was wet, the rain widespread and locally heavy, giving 20.4 mm at Portglenone (County Antrim), but it cleared from north-western counties by early evening. It remained cloudy with patchy rain on the 25th, and was cool for many, temperatures not exceeding 12.4 °C at Banagher Caugh Hill (County Londonderry), with strong winds for some, and a gust of 40 knots (46 mph) at

Orlock Head (County Down). The west began sunny on the 26th, but cloud in the east soon spread to all parts, thick enough at times to produce patchy light rain and drizzle in places, but it became brighter from the north during the afternoon. The 27th was fine and bright, and the 28th had cloud in the morning but sunshine in the afternoon. The 29th was sunny in the south but cloudy in the north. The 30th was dry, with cloud thinning through the afternoon to leave most places brighter for a time.