

MONTHLY WEATHER REPORT

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A cold, wet and dull month

A cold front cleared the far south-west of England late on the 1st. All parts of Great Britain were covered by a transient ridge of high pressure overnight, but a complex depression moved quickly across northern England to the North Sea bringing a change on the 2nd to a cold northerly airstream which covered all parts over the next two days. Early on the 5th a succession of fronts approached from the south-west, progressing, with their associated depression, across England and Wales during the next day or two; early on the 8th the remains of a cold front were still over south-east England, while pressure was high elsewhere. Later on the 8th a further set of fronts crossed all parts of Great Britain, clearing the east early on the 9th. The parent depression tracked across southern Scotland during the 9th/10th, while the associated frontal troughs moved eastwards in the westerly airstream. Overnight on the 10th/11th a transient ridge of high pressure crossed all areas. On the 12th a depression centred to the north-west of Ireland moved north-eastwards across Scotland. The associated occluded front crossed Scotland during the 13th. Later on the 14th a shallow depression with its associated fronts moved across South Wales and south-west England, continuing eastwards to the North Sea, leaving a north-westerly airstream covering the United Kingdom for the next few days. On the 19th a shallow depression skirted south-west England as it crossed to France. A further system crossed all areas of Great Britain during the 21st, the fronts finally clearing the far north of Scotland early on the 22nd. On the 22nd further fronts crossed southern parts of England and Wales, followed by the passage of a frontal depression over England and Wales on the 23rd. A frontal trough crossed the southern half of England and Wales overnight on the 25th/26th. Early on the 28th a ridge of high pressure covered most of the United Kingdom. Later on the 29th a weak frontal system moved eastwards across all areas, leaving a trough trailing along the south coast on the 30th.

Weather

This month was one of the dullest, coolest and wettest Junes this century over a wide area. The weather was generally unsettled, with outbreaks of rain or drizzle and more prolonged rain from time to time, heavy in places, or showers, often thundery and sometimes of hail. Sleet and snow fell on the Grampian Mountains on the 2nd and 3rd, and on the Southern Uplands on the 3rd; snow lay at Cairngorm Carpark for three days. Snow fell on the northern Pennines on the 3rd, hail was reported at Inverness, over North Yorkshire and north Norfolk, and thunder over Salisbury Plain. On the 23rd torrential rain over the south and west caused extensive flooding, particularly in Plymouth and Torquay, Devon and Bridport, Dorset, while some rivers burst their banks in Cornwall. Thunderstorm frequency was very high during the month, particularly in eastern areas, with thundery activity somewhere in the United Kingdom on nearly every day. Thundery activity was widespread on the 22nd, 27th and 28th.

Wind

This was another quiet month, with winds only briefly reaching gale force on the 12th. At Orlock Head, Co. Down, the mean hourly wind reached 39 kn, with a gust to 65 kn. There were strong winds over exposed western parts of England and Wales. Wind directions were generally southerly or westerly.

Temperature

Mean monthly temperatures were below normal in all areas of the United Kingdom, ranging from 2.7 °C below normal at Macclesfield, Cheshire to 0.7 °C below normal at Lowestoft, Suffolk.

Frost occurred quite widely during the first week. Bastreet, Cornwall had a minimum of -1 °C on the 2nd. The temperature over grass at Birmingham Airport fell to -6 °C on the 5th and a number of places had their coldest June night since records began. A temperature of 20 °C was exceeded in East Anglia on the 9th, and again on the 12th. Temperatures rose again to over 20 °C at a number of places during the last week, but generally June was by no means a warm month. The highest temperature of the month was 23.3 °C at Cambridge, Botanic Garden on the 30th and the lowest was -3.8 °C at Carnwath, Strathclyde Region on the 5th, the lowest for June at that station since the record began in 1952.

Rainfall

Monthly rainfall amounts were above normal nearly everywhere apart from some scattered locations, mainly in western areas where it remained dry, with as little as half the normal in western Scotland, contrasting with nearly three times the normal in East Sussex.

The number of days of measurable rain falling during June was as high as 25 in a number of places, including London. Measured daily rainfall exceeded 10 mm somewhere in the British Isles every day except the 20th. The wettest period was over the 23rd and 24th, with more than 20 mm at many places in the south on the 23rd including

43 mm at Teignmouth, Devon. Among heavy daily falls were 66 mm at Bradford, West Yorkshire on the 27th and 56 mm at Balquhider, Central Region on the 11th. Other large falls included 47 mm at Falmouth, Cornwall on the 22nd, 49 mm at Plumpton, East Sussex and 46 mm at Princetown, Devon on the 23rd and 46 mm at Llanfair Caereinion, Powys on the 27th.

Sunshine

Monthly sunshine amounts were below average everywhere except for a few places mainly in northern Scotland where they were above or near normal, and ranged from 109% of average at Tiree, Strathclyde Region to 50% of average at Bexhill, East Sussex.

The month was one of the dullest Junes this century over a wide area. Sunny days were mainly limited to the 3rd and 13th in the south-west of England and the 20th more widely across England and Wales, apart from the south-east. Most sunshine in a day was 16.1 hours at Benbecula, Western Isles on the 6th and Tiree, Strathclyde Region on the 20th and the highest monthly total was 217 hours at Tiree.

Fog

Some overnight fog patches formed on the 5th and 7th, mainly in central and eastern parts of England. One or two fog patches occurred mainly over eastern counties on the 17th and 19th, but were short lived. Fog patches formed over a wide area on the 20th but were quick to clear. Hill fog occurred in mainly central areas early on the 6th and 21st. There was extensive patchy fog over England and Wales on the 24th and a few short-lived fog patches on the 29th. Hill fog patches occurred over high ground in Scotland on the 13th. Fog occurred on coasts and hills on the 24th and 25th, and on western coasts on the 30th.

Miscellaneous Phenomena

None reported.

Table 1 District values

District	Air temperature °C					Mean 30 cm soil temp°C	Rain- days	Rainfall	Sun- shine
	Highest Max*	Lowest Min*	Max.	Min.	Mean				
			Difference from average					% of average	
0 Scotland N	20.9	-1.9	-1.8	-1.4	-1.6	-0.1	+4	114	89
1 Scotland E	21.6	-2.2	-2.2	-1.0	-1.6	-0.3	+8	171	79
2 England E & NE	22.9	-0.6	-2.3	-1.2	-1.8	-1.1	+8	117	80
3 East Anglia	22.5	-0.5	-2.4	-0.8	-1.6	-1.6	+12	168	64
4 Midland Counties	23.0	-0.7	-2.9	-1.4	-2.2	-1.7	+9	135	68
5 England SE & Central S	22.6	1.1	-3.1	-1.0	-2.1	-1.5	+12	198	65
6 Scotland W	20.6	-3.8	-2.1	-1.6	-1.9	-0.3	+4	137	85
7 England NW & Wales N	22.3	-2.6	-2.4	-1.5	-1.9	-1.1	+8	128	73
8 England SW & Wales S	20.8	0.0	-2.5	-0.6	-1.5	-1.1	+9	167	78
N Ireland	19.4	-1.5	-1.9	-1.1	-1.5	-1.1	+5	126	77
Scotland	21.6	-3.8	-2.0	-1.3	-1.7	-0.2	+5	138	84
England & Wales	23.0	-2.6	-2.6	-1.1	-1.9	-1.3	+10	148	71

* Highest maximum and lowest minimum of District Value Stations