

MONTHLY WEATHER REPORT

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Generally unsettled, dull and rather cool

A series of fronts associated with low pressure to the north and west of the British Isles crossed all parts of the United Kingdom during the first 10 days of the month, while the Azores anticyclone extended eastwards and northwards, giving a transient ridge of high pressure affecting southern areas of the United Kingdom by the 9th. On the 10th a shallow depression was centred over north-west England and a second centre formed over central southern England. On the 11th the Atlantic anticyclone once more extended a ridge of high pressure northwards and eastwards to include the whole of the British Isles. A slow-moving frontal system, lying to the west of the British Isles, began to edge forwards later on the 16th. Over the next few days the low pressure area to the west of the British Isles became more complex and the frontal system moved slowly eastwards, finally clearing the far south-east on the 19th. A non-frontal trough crossed all areas during the 20th. The low-pressure system to the west of the British Isles remained complex, amalgamating with the next eastward-moving depression during the 21st, while the associated frontal system crossed southern areas of Great Britain. Later on the 21st the low-pressure centre crossed northern England and was situated over the North Sea by midday on the 22nd. Early on the 24th a weak, transient ridge of high pressure preceded a fresh frontal system associated with the further development of the low pressure area to the west of the British Isles. The warm front crossed southern England and South Wales, while by late on the 24th the trailing cold front became slow moving across central areas of England and Wales. Late on the 27th the low pressure area began to move slowly eastwards across Scotland and northern England, while the associated frontal systems crossed England and Wales, clearing eastern areas by morning. A transient ridge of high pressure had crossed England and Wales by early on the 29th, but later on the same day further fronts crossed England and Wales, while the associated depression crossed northern areas late on the 30th.

Weather

The month was generally unsettled, with rain at times followed by showers, and thundery outbreaks in most areas, but with a more settled spell from the 11th to 17th, after which it was again unsettled, but with rain falling mainly in northern areas. Later on the 21st there were thundery outbreaks over the Moray Firth, the Firth of Forth and Tynemouth and on the 22nd over East Anglia, Kent, the south Midlands and the Firth of Forth. On the 23rd a group of thunderstorms in the unstable westerly airstream crossed from Merseyside to East Anglia, but amounts of rainfall were small everywhere, and some parts of northern England, Scotland and south-east England had no rain. Late on the 27th thundery outbreaks came to much of northern England and the north Midlands; a severe thunderstorm occurred 3 km to the north of Keyworth, Nottinghamshire and there were reports of large hailstones, structural damage caused by lightning, and flooding. On the 30th severe thunderstorms caused cuts in power supplies in a wide area of north-west England, including the Lake District,

and the National Garden Festival at Gateshead was hit by a freak thunderstorm.

Wind

June was a very quiet month, although strong winds occurred in the Edinburgh area on the 6th, with gusts of 62 kn and 60 kn measured at Leith and Blackford Hill respectively, and on exposed coasts in the south on the 21st/22nd, with a gust of 59 kn at Shoreham-by-Sea, West Sussex on the 22nd. Wind directions were mainly southerly or westerly, but northerly between the 9th and 13th.

Temperature

Mean monthly temperatures were below normal nearly everywhere, apart from the far north of Scotland, the Western Isles, Orkney, Shetland and the Channel Islands, where temperatures were just above normal. Temperatures ranged from 0.6 °C above normal at Whitby, North Yorkshire to 1.3 °C below normal at Alice Holt and Martyr Worthy in mid Hampshire.

Temperatures of more than 25 °C were recorded on the 1st in East Anglia, but not reached again until the 26th. A particularly cool spell, especially between the 11th and 13th in eastern areas, gave highest temperatures typically only 12 °C or 13 °C, and on the 12th the maximum at Fylingdales, North Yorkshire was only 9 °C. At many places in Scotland the 9th was the warmest day of the month, with maximum temperatures at some locations exceeding 22 °C for the first time since the hot spell at the beginning of May: at Strathallan School, near Perth a maximum of 23.9 °C was recorded. The highest temperature during the month was 26.0 °C, measured at Cambridge Botanic Garden on the 1st and Waddington, Lincolnshire on the 26th and the lowest was 0.0 °C at Balmoral, Grampian Region on the 6th.

Rainfall

Monthly rainfall totals were above normal nearly everywhere, except in parts of western Scotland, East Anglia, north Devon and east Kent where

amounts were below normal, and ranged from more than 280% at Edinburgh to 56% at Cambridge.

On the 6th parts of Scotland had the first substantial amount of rainfall for some time. During the night of the 6th/7th rain was very heavy in the Inverness area: at Carrbridge part of the railway embankment was washed away by a swollen burn and the Inverness to London morning express narrowly avoided derailment when it crossed the gaps. At the Royal Observatory, Edinburgh, where records go back to 1896, the monthly total of 127 mm was the highest for June since 1928 and the second highest on record. Among heavy falls were 72 mm at Tomatin, 66 mm at Aviemore, and 62 mm at Inverness, all in Highland Region, on the 6th, 67 mm at Lentrane, Highland Region on the 21st, and 61 mm at the Royal Botanic Garden, Edinburgh on the 30th.

Sunshine

Monthly sunshine amounts were below average everywhere, except at Tiree, Strathclyde Region where it was just average, and ranged from 100% at Tiree to as little as 51% at Reading, Berkshire.

The 19th was a sunny day nearly everywhere. Most sunshine in a day was 15.4 hours at Boulmer, Northumberland on the 20th, and the most in the month was 214.5 hours at Herne Bay, Kent.

Fog

Patchy overnight fog in Northern Ireland on the 14th cleared quickly. There were early mist and fog patches in England and Wales on the 16th and 27th. Coastal fog occurred in south-west Wales on the 1st and 6th, south-west England and South Wales on the 17th, 24th, 25th and 26th, and the north of Scotland on the 2nd, 3rd and 28th. Sea fog affected the north-east coast of Scotland on the 18th. Hill fog occurred on the 6th, 24th and 25th in south-west England and South Wales, and on the 10th on the southern Pennines.

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						
0 Scotland N	23.7	0.3	-0.5	+0.5	0.0	+0.4	+3	124	67
1 Scotland E	23.3	0.3	-0.6	+0.2	-0.2	+0.5	+3	163	73
2 England E & NE	26.0	3.2	-0.7	+0.3	-0.2	+0.1	+5	124	62
3 East Anglia	25.3	2.5	-0.5	-0.2	-0.3	-0.3	+2	85	69
4 Midland Counties	25.6	3.3	-1.1	+0.2	-0.4	-0.4	+3	102	59
5 England SE & Central S	25.1	4.7	-1.3	0.0	-0.6	-0.5	+2	99	66
6 Scotland W	23.3	1.1	-0.9	+0.1	-0.4	+0.7	+5	138	79
7 England NW & Wales N	24.6	3.4	-1.1	+0.8	-0.2	+0.1	+7	121	68
8 England SW & Wales S	22.9	2.0	-1.2	+0.4	-0.4	-0.1	+7	132	69
N Ireland	20.1	2.4	-0.9	+0.2	-0.3	+0.1	+4	164	82
Scotland	23.7	0.3	-0.7	+0.3	-0.2	+0.5	+4	140	73
England & Wales	26.0	2.0	-1.0	+0.3	-0.3	-0.2	+4	113	65

* Highest maximum and lowest minimum of District Value Stations