

## Seasonal Assessment – Summer 2024

The following represents a provisional assessment of the weather experienced across the UK during Summer 2024 (June, July and August 2024) and how it compares with the 1991 to 2020 average.

Summer was cooler than average, with mean temperatures in both June and July below average across the UK and temperatures in August only slightly above average. A south-shifted jetstream led to northerly winds bringing cold Arctic air to the UK in June and July, while August saw an increase in westerly winds bringing slightly warmer Atlantic air as the jetstream became stronger. June started off cooler than average, with temperatures around 2°C below the long-term average in most areas, and although there was a warm spell in the third week of the month this was short-lived. Scattered showers brought some rain in June, but overall accumulations were below average for most. July followed a similar path, with cooler than average temperatures at the start of the month followed by a more substantial warm spell and average rainfall accumulations. Warmer temperatures closed out July, and some areas of the southeast reached 30°C. August began with temperatures above average and thunderstorms across southern England. The second week of August saw the highest temperature of the year so far, 34.8°C, recorded in Cambridge. On the 22<sup>nd</sup>, the 12<sup>th</sup> named storm of the 2023/24 season, Storm Lilian, arrived and brought strong winds and heavy rain to northern England, Wales, and parts of Scotland. This is the most named storms since the naming system was introduced in 2015.

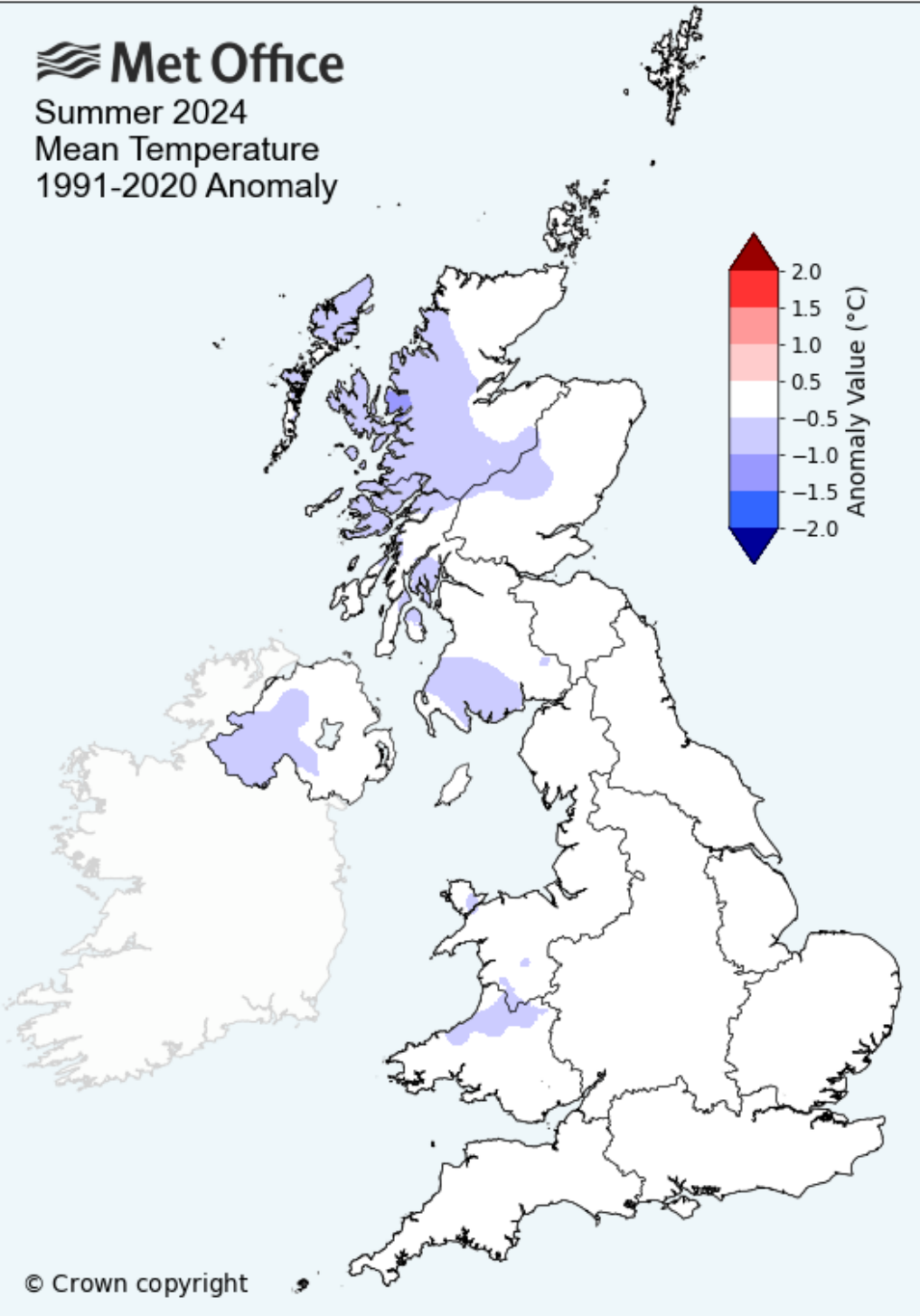
Overall, UK temperatures were below average, with a provisional mean temperature of 14.37°C (0.22°C below the long-term average). It was the coolest summer since 2015, when the mean temperature was 13.91°C. There was some regional variation, with England only 0.07°C below average while Scotland and Northern Ireland were 0.40°C and 0.45°C below average, respectively. Summer rainfall was around average for the UK, with a provisional 241.3mm recorded, 95% of the long-term average (1991-2020). August was the wettest of the three summer months, but there was also substantial regional variation, with some areas of western Scotland recording around double the average August rainfall while areas in southern England were much drier than average. Summer saw around average hours of sunshine, with provisionally 491.6 hours recorded (97% of the long-term average). Southern England was marginally sunnier than Wales and Scotland, and Northern Ireland experienced the least sunshine at only 82% of the long-term average.

UK statistical summary		
Mean temperature	Rainfall	Sunshine
The provisional mean value for Summer is 14.37°C, which is 0.22°C below the 1991-2020 average.	The provisional total for Summer is 241.3 mm, which is 95% of the 1991-2020 average.	The provisional total for Summer is 491.6 hours, which is 97% of the 1991-2020 average.

 **Met Office**

Summer 2024

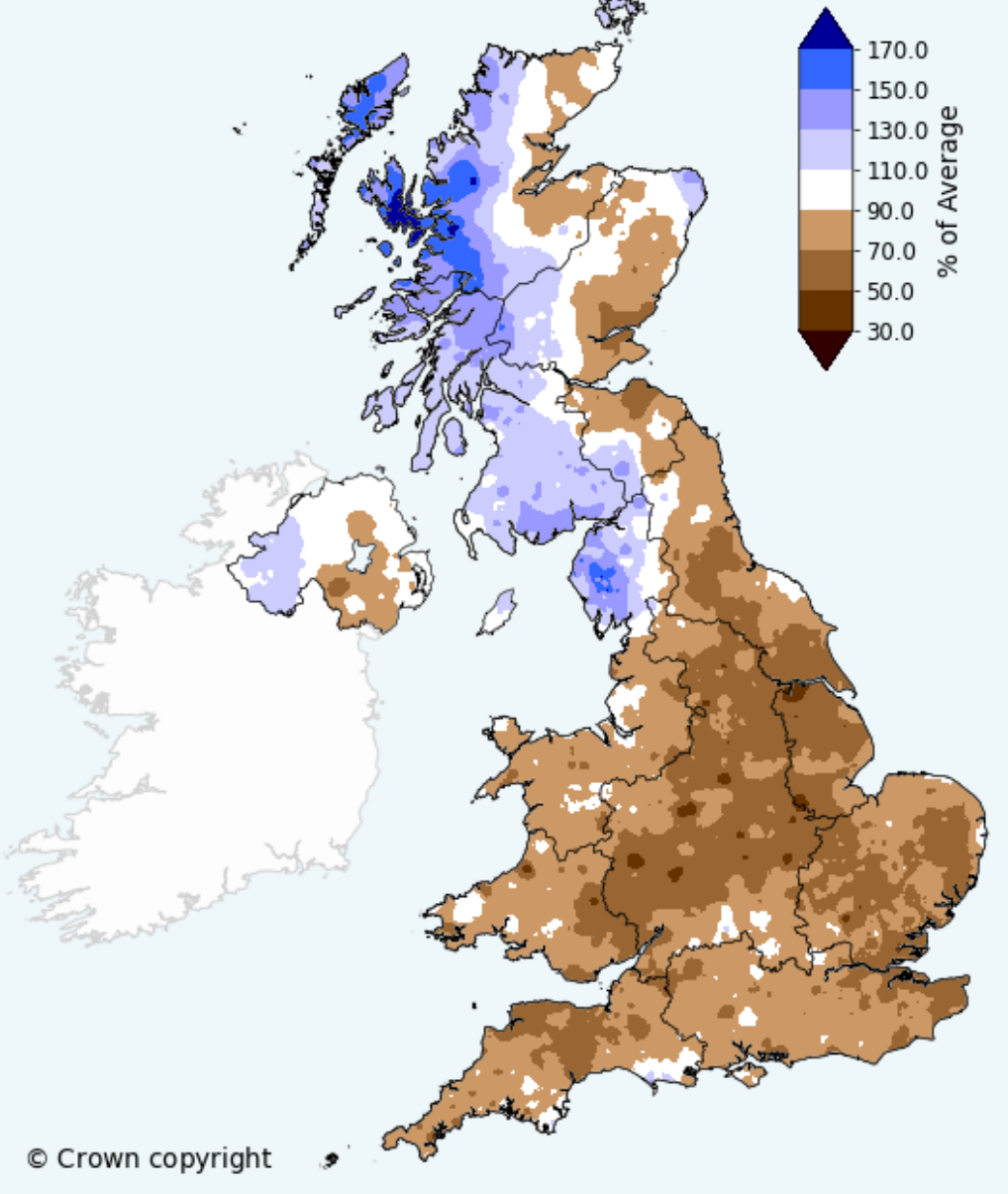
Mean Temperature  
1991-2020 Anomaly



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Summer 2024  
Rainfall Amount  
% of 1991-2020 Average



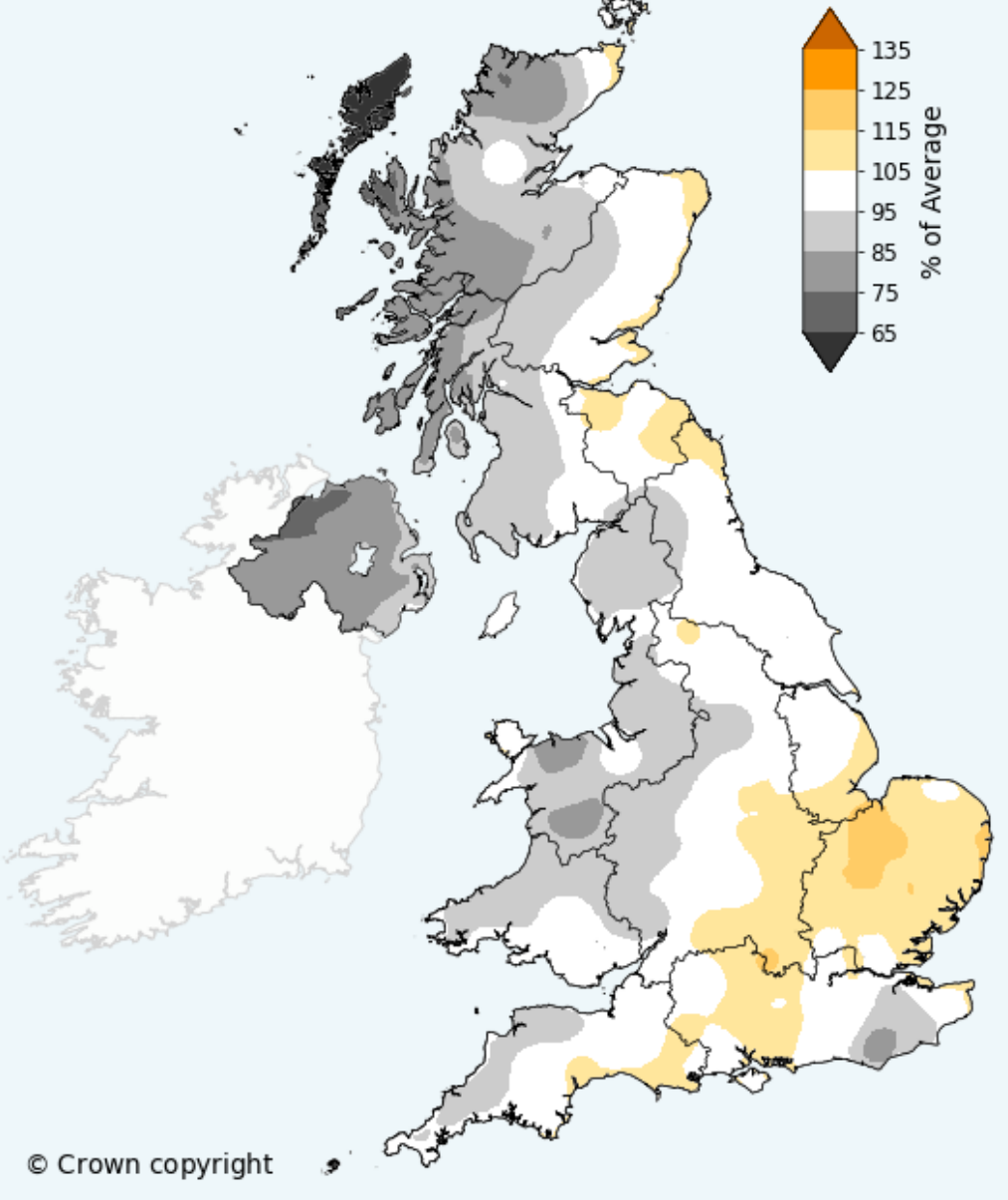
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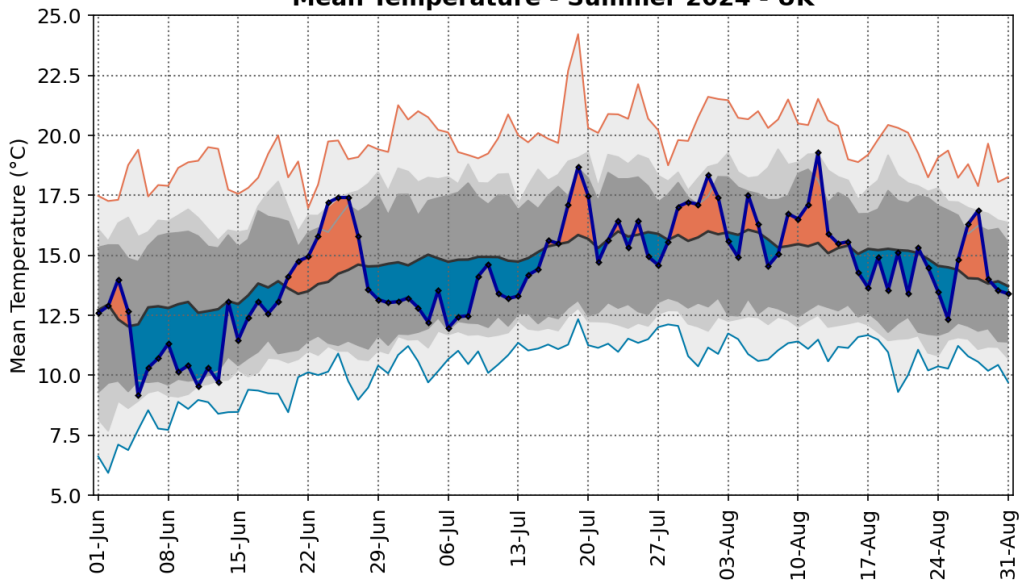
Summer 2024

Sunshine Duration

% of 1991-2020 Average



### Mean Temperature - Summer 2024 - UK



— 1991-2020 — lowest — 5% — 10% — 90% — 95% — highest — 2024