

Seasonal Assessment – Autumn 2024

First two months – September and October 2024

The following represents a provisional assessment of the weather experienced across the UK during the first two months of Autumn 2024 (September and October) and how it compares with the 1991 to 2020 average.

Autumn so far has been milder than average, but with some cooler spells especially in September. The weather has been unsettled as low-pressure systems brought rain and wind across the country. September began on a warm note as plumes of warm, humid air were drawn northwards off continental Europe by southwesterly winds. A succession of low-pressure systems brought exceptionally heavy rainfall to southern and central England in the latter half of the month. October began with temperatures slightly above average, and although there was a cooler spell of weather in the second week overall both day and night temperatures were above average. The first named storm of the 2024/25 season, Storm Ashley, arrived on the 20th-21st and brought heavy rain and wind across northwestern parts of the UK. High pressure closed out October, with cloudy but warm weather.

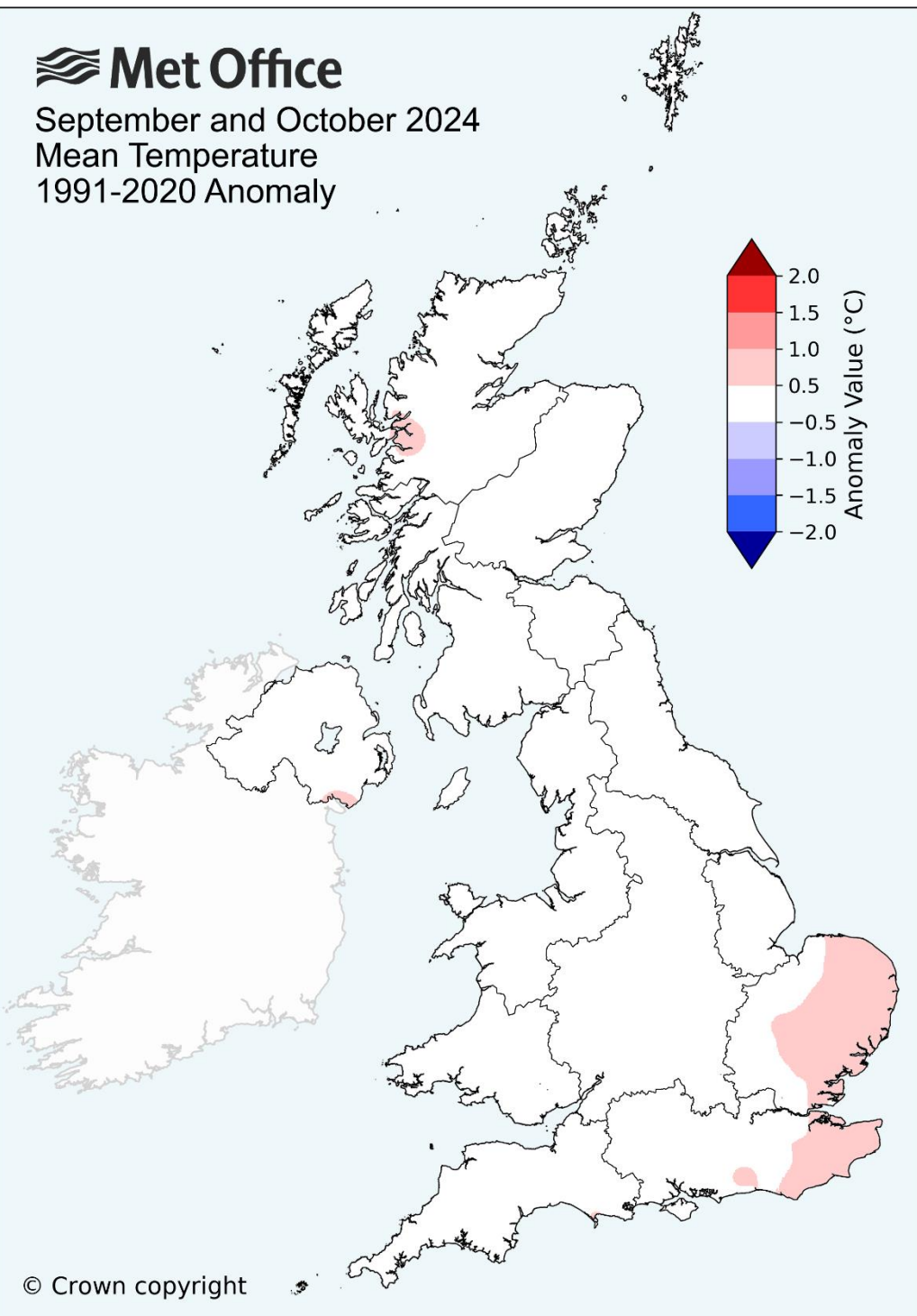
Temperatures in September were slightly below average across the UK, with a mean temperature of 12.7°C (0.3°C below the long-term average). There was some regional variation, with Scotland experiencing cooler temperatures (around 0.6°C below average) while East Anglia and some areas in southern England experienced temperatures around 0.3°C above average. October saw warmer than average temperatures across the country for most of the month. The UK recorded a mean temperature of 10.4°C, 0.7°C above average. Northern Ireland saw temperatures around 1°C above average, while some areas in eastern Scotland saw temperatures only 0.3°C above average.

September was wetter than average for the UK overall (125% of the long-term average), and particularly for southern England, which recorded 144.4mm of rainfall, 233% of the long-term average and the third-wettest September on record. September was the wettest calendar month on record for both Bedfordshire and Oxfordshire. Scotland was considerably drier, recording only 78.1mm of rainfall, 63% of the long-term average. October was drier than average, with the UK recording 84% of the long-term average rainfall. Although Scotland, Northern Ireland and Wales were all drier than average, England was slightly wetter than average (101% of the long-term average rainfall). Sunshine duration in September was around average for the UK, although Scotland and Northern Ireland were sunnier than average. England and Wales were both duller than average, with around 80-90% of the average sunshine hours recorded in September. October sunshine durations were also around average for the UK (anomaly 97%), with southern England and Scotland slightly below average while Wales and Northern Ireland were slightly above average.

UK statistical summary		
Mean temperature	Rainfall	Sunshine
The provisional mean value for September and October is 11.5°C, which is 0.2°C above the 1991-2020 average.	The provisional total for September and October is 217.5 mm, which is 101.9% of the 1991-2020 average.	The provisional total for September and October is 212.1 hours, which is 96.7% of the 1991-2020 average.



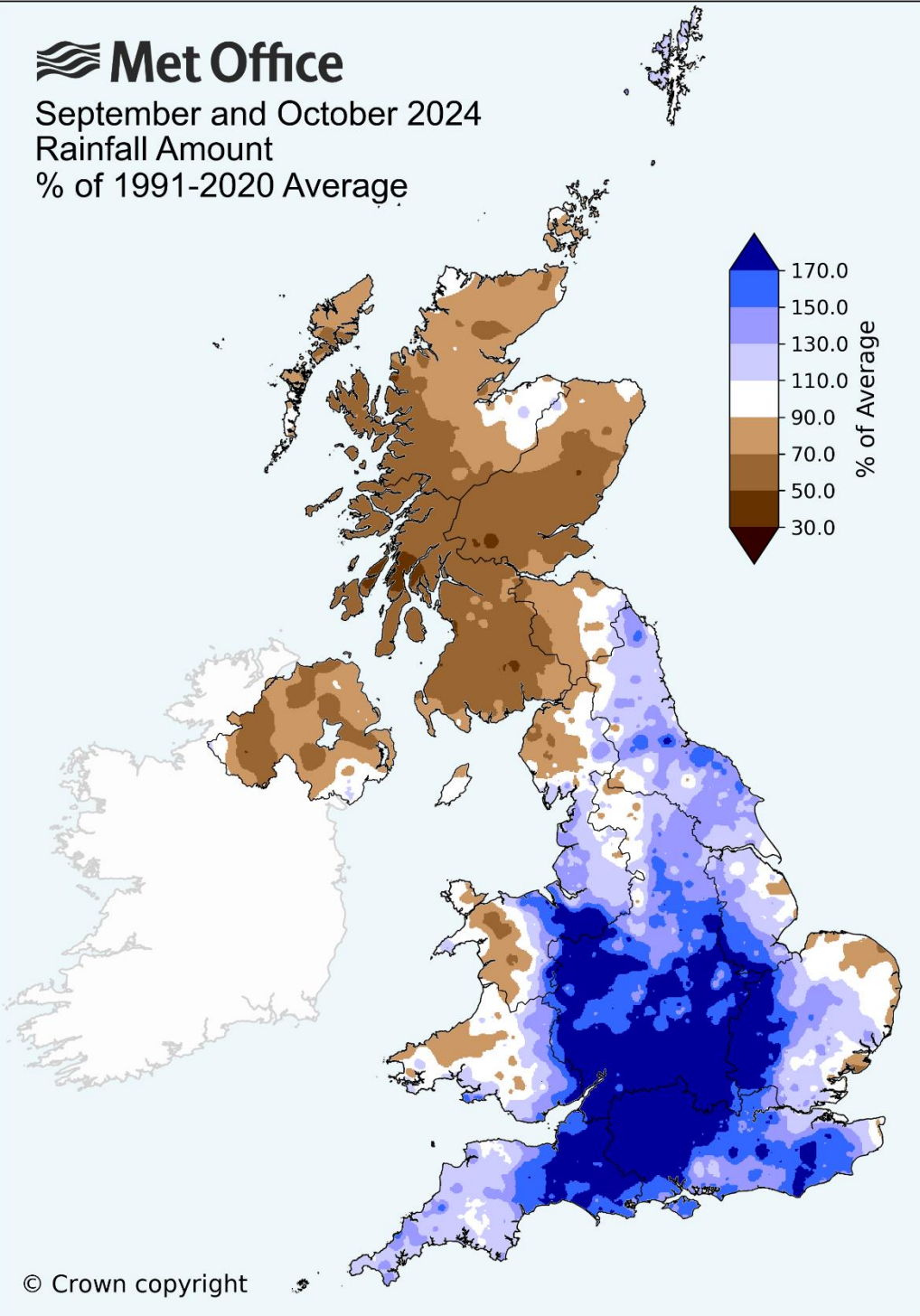
September and October 2024
Mean Temperature
1991-2020 Anomaly



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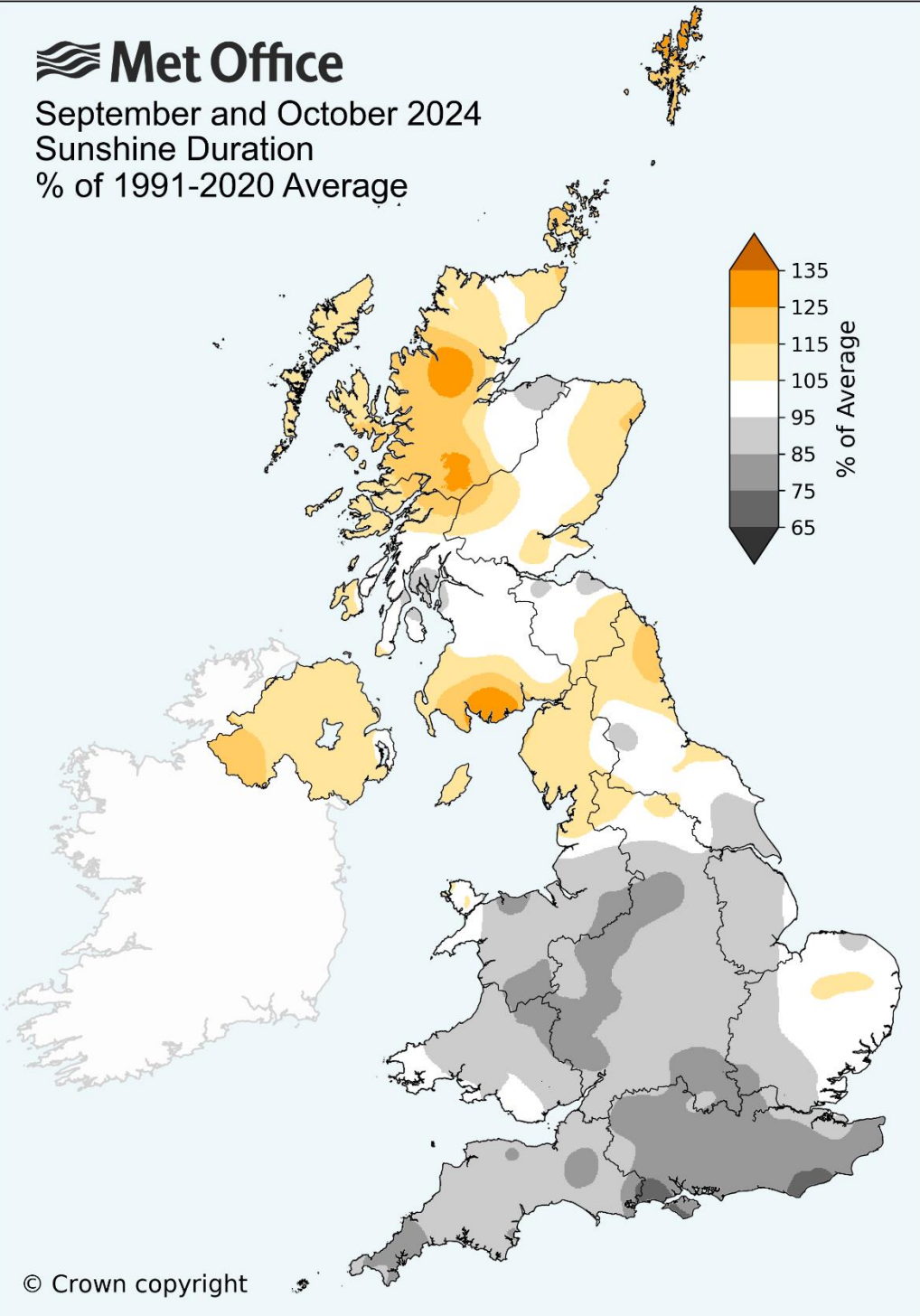
September and October 2024
Rainfall Amount
% of 1991-2020 Average



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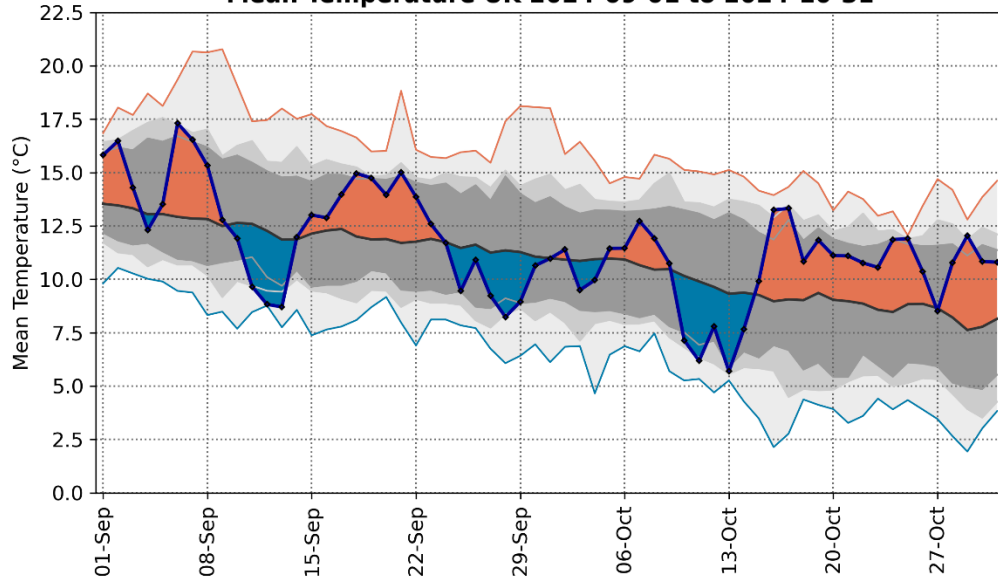


September and October 2024
Sunshine Duration
% of 1991-2020 Average



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Mean Temperature UK 2024-09-01 to 2024-10-31



— 1961-1990 — lowest — 5% — 10% — 90% — 95% — highest — actual