

Seasonal Assessment – Summer 2023

The following represents a provisional assessment of the weather experienced across the UK during summer 2023 (June, July and August) and how it compares with the 1991 to 2020 average.

Overall, this was a warm and rather wet summer. The lion's share of fine weather - warm, dry, and settled with high pressure established - occurred during June, which was the UK's warmest and provisionally fourth sunniest June on record. In contrast, July and August mainly comprised unsettled weather. July in particular was very cool, dull and wet with the jet stream displaced to the south and a succession of low pressure systems bringing more than twice the normal rainfall to some areas. The month included a succession of particularly disappointing wet weekends with low pressure dominating, and the UK provisionally had its sixth wettest July on record. While August was something of an improvement on July, with temperature, rainfall and sunshine nearer average, the weather nonetheless remained often mixed. August included two named storms, Antoni and Betty, bringing unseasonably wet and windy weather.

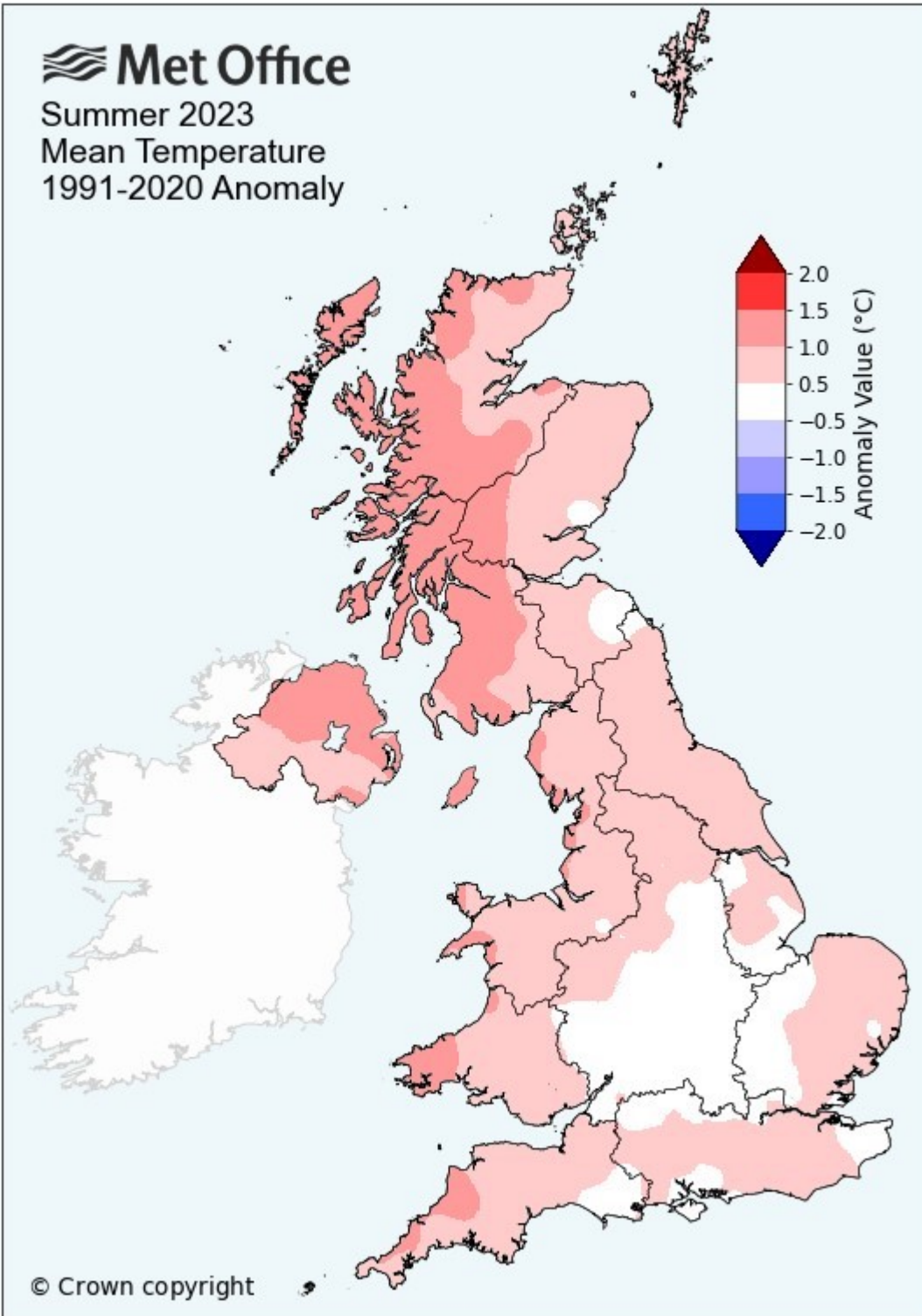
Maximum temperatures for summer overall were well above average, particularly across the western half of Scotland. Minimum temperatures were also well above average. Unusually, the warmest summer month was June, with the last time this occurring in summer 1966 (in summer 1970, June was equal-warmest with August). Temperatures exceeded 30°C on five days in June, one in July and none at all in August, with the highest summer temperature, a modest 32.2°C, falling far short of 2022's 40.3°C. This was provisionally the eighth warmest summer for the UK in the series from 1884.

Of the UK's top-ten warmest summers, summer 2023 was the wettest. While the rainfall pattern was variable, for many areas this was a rather wet summer overall - particularly across Northern Ireland and northern England with more than 150% in some locations. It was a sunny summer for many northern and eastern parts of the UK but rather dull across parts of southern England and much of Wales. Any prolonged spells of unbroken sunshine were mainly confined to June: the UK averaged more than 8 hours per day of sunshine in June, compared to less than 5 in both July and August.

UK statistical summary		
Mean temperature	Rainfall	Sunshine
The provisional mean value for summer is 15.4°C, which is 0.8°C above the 1991-2020 average.	The provisional total for summer is 281 mm, which is 111% of the 1991-2020 average.	The provisional total for summer is 536 hours, which is 106% of the 1991-2020 average.

 **Met Office**

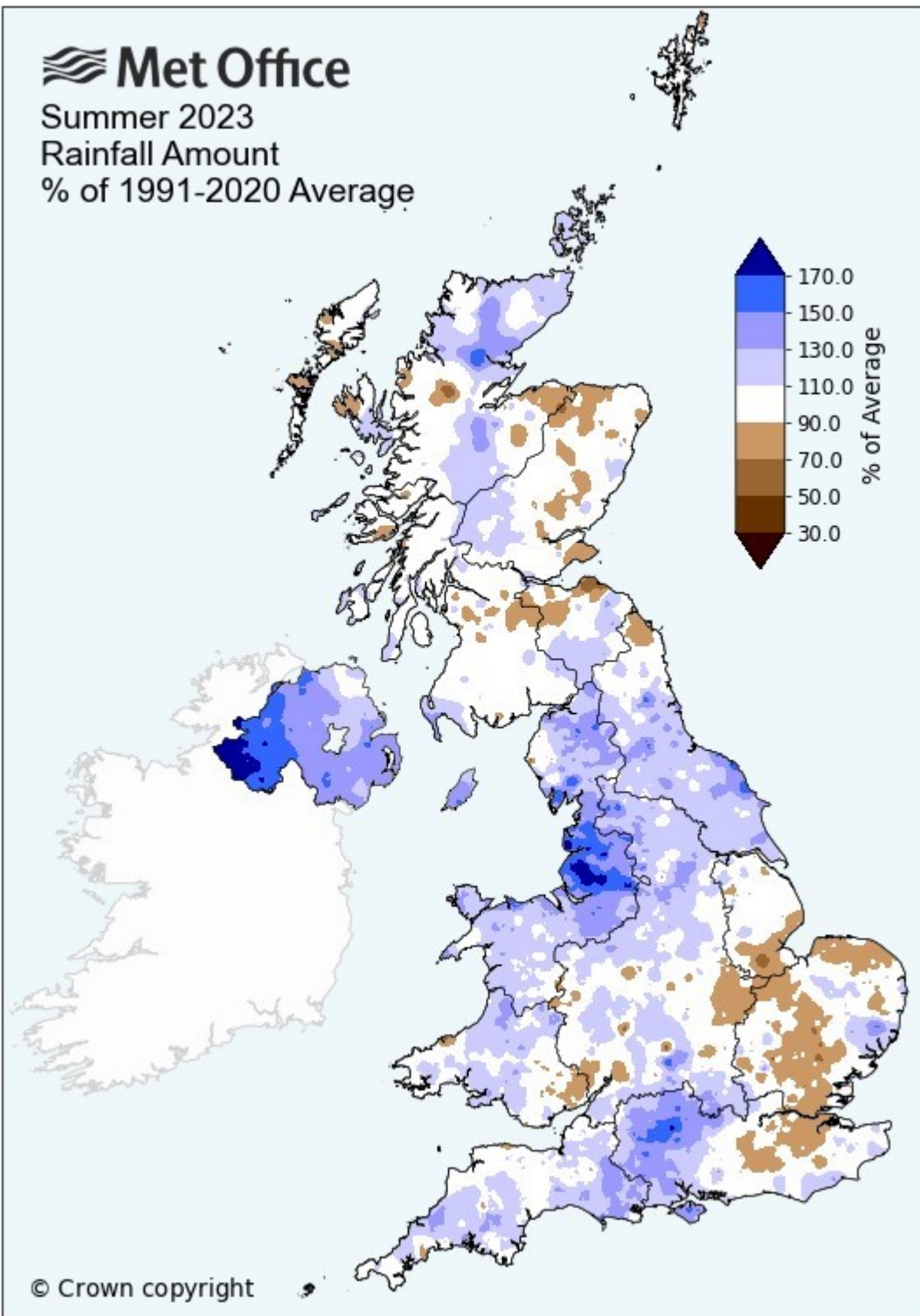
Summer 2023
Mean Temperature
1991-2020 Anomaly



© Crown copyright

 **Met Office**

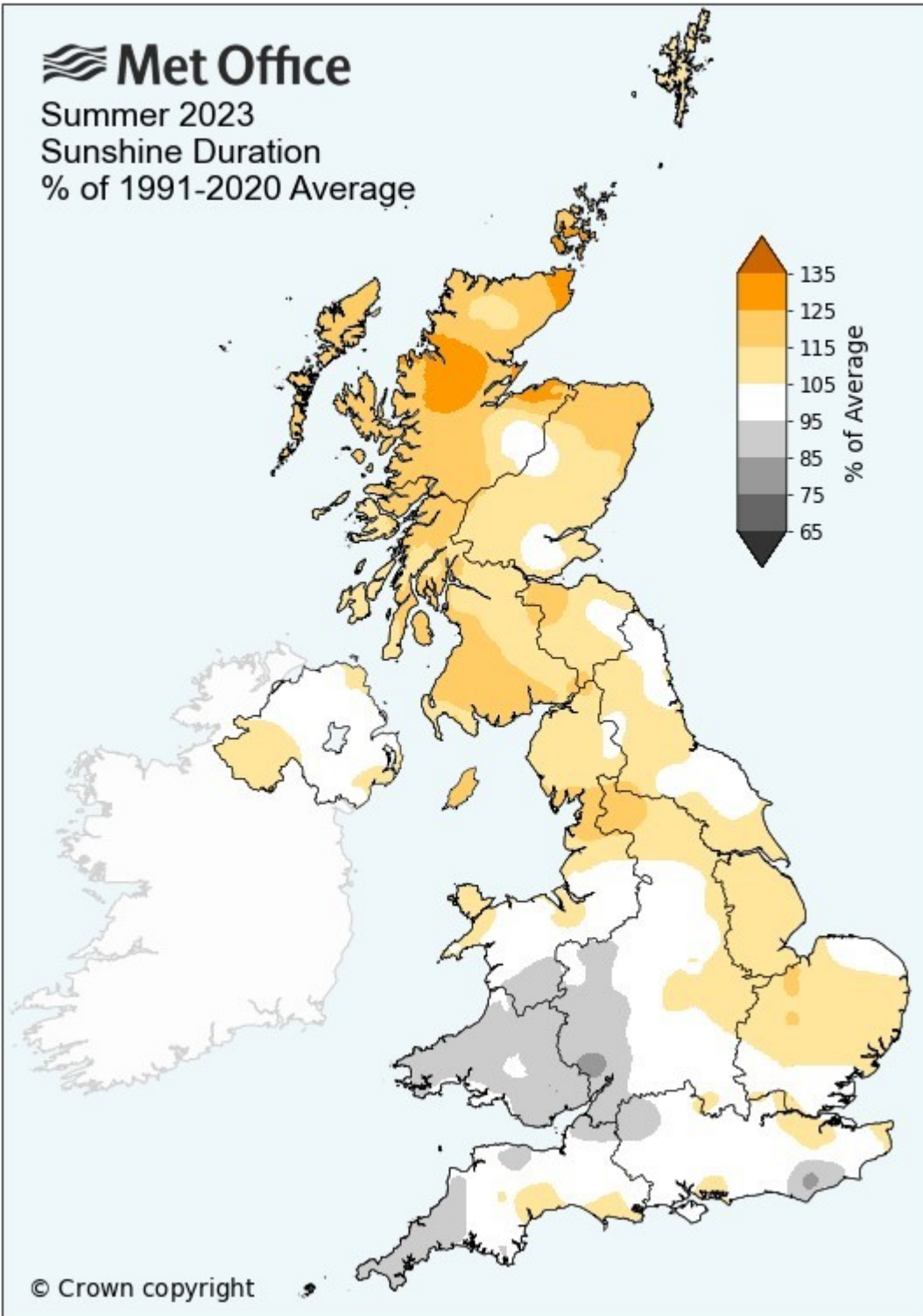
Summer 2023
Rainfall Amount
% of 1991-2020 Average



© Crown copyright

 **Met Office**

Summer 2023
Sunshine Duration
% of 1991-2020 Average



© Crown copyright

Mean Temperature - Summer 2023 - UK

