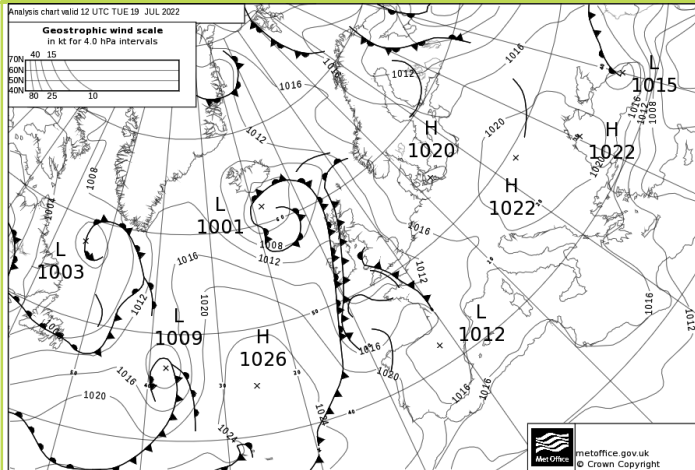


Weather chart for 1200 UTC on 19 July 2022



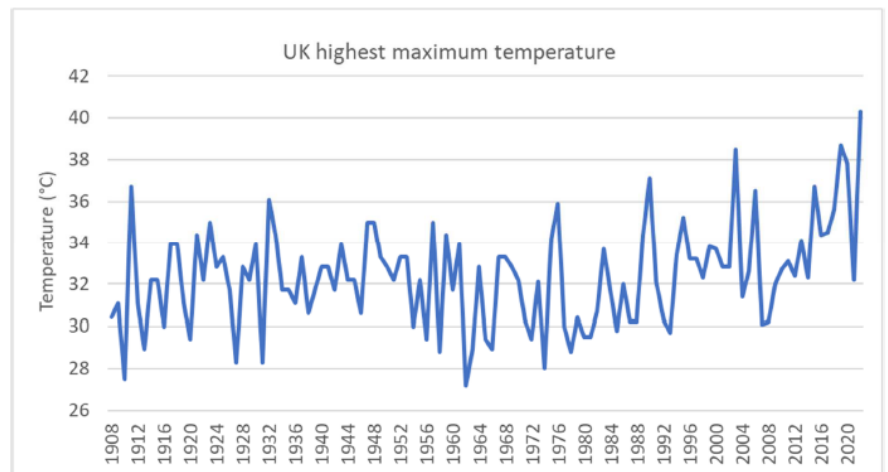
General summary

A series of fronts travelling eastwards across the UK brought scattered showers across parts of northern and western Scotland, north England, north Wales, and Northern Ireland in the early hours. Medium to high level cloud accompanied this across northern and western regions. The day started with a band of thundery rain approaching Cornwall from the southwest, which reached Devon by mid-morning before easing. It was a mostly dry morning elsewhere. By midday some thunderstorms had developed in Irish Sea and the far northeast of Scotland. A further band of frontal rain reached the northwest coast of Scotland in the afternoon. Most of the rain cleared by midnight leaving a fine and dry evening for many.

Significant weather event

This unprecedented day marked a milestone in UK climate history as temperatures of 40°C were recorded in the UK for the first time. Hot air associated with a heatwave across western Europe extended north over the UK. Coningsby reached a record 40.3°C.

The Met Office issued the first red warning for extreme heat since the introduction of National Severe Weather Warnings for Extreme Heat in June 2021. The UK Health Security Agency and Met Office also issued a Level 4 alert for the first time since the heatwave plan was introduced for England in 2004; resulting in the government declaring a national emergency. A red warning means adverse health effects are expected to affect more than just high-risk groups.



The time-series above shows the highest maximum temperature recorded in the UK by year from 1908.

Daily weather extremes

Highest Maximum Temperature

40.3 °C at Coningsby (Lincolnshire)

Lowest Minimum Temperature

11.1 °C at Eskdalemuir (Dumfriesshire)

Most Rainfall

10.0 mm at Lyth No 2 (Caithness)

Most Sunshine

13.8 hours at Weybourne (Norfolk) and Wattisham (Suffolk)