

**Radcliffe Meteorological Station**  
School of Geography - University of Oxford  
Monthly Summary of Weather at Oxford for *July 2024*.

|   |       |       | Difference from<br>1991-2020 average |
|---|-------|-------|--------------------------------------|
| <b>Temperature</b>                          |       |       |                                      |
| Mean air temperature                        | °C    | 17.5  | -0.6                                 |
| Mean daily maximum temperature              | °C    | 22.3  | -0.8                                 |
| Mean daily minimum temperature              | °C    | 12.8  | -0.3                                 |
| Highest maximum temperature                 | °C    | 29.9  | 0.0                                  |
| Lowest maximum temperature                  | °C    | 16.9  | -0.9                                 |
| Highest minimum temperature                 | °C    | 17.1  | -0.3                                 |
| Lowest minimum temperature                  | °C    | 8.5   | -0.4                                 |
| Air frosts (screen minimum < 0 °C)          | days  | 0     | 0.0                                  |
| Mean minimum grass temperature              | °C    | 11.5  | +1.1                                 |
| Lowest grass minimum temperature            | °C    | 5.2   | +1.1                                 |
| Ground frosts (grass minimum < 0 °C)        | days  | 0     | 0.0                                  |
| Mean concrete minimum temperature           | °C    | 12.9  | +0.2                                 |
| Lowest concrete minimum temperature         | °C    | 8.5   | +0.8                                 |
| Mean soil temperature at 30 cm at 0900 UTC  | °C    | 19.3  | +0.1                                 |
| Mean soil temperature at 100 cm at 0900 UTC | °C    | 17.5  |                                      |
| <b>Precipitation</b>                        |       |       |                                      |
| Total precipitation                         | mm    | 67.9  | 128 %                                |
| Wettest day                                 | mm    | 29.2  | 160 %                                |
| No. of rain days (0.2 mm or more rainfall)  | days  | 13    | +1.5                                 |
| No. of wet days (1.0 mm or more rainfall)   | days  | 8     | -0.3                                 |
| <b>Sunshine duration</b>                    |       |       |                                      |
| Total bright sunshine                       | hours | 199.5 | 94 %                                 |
| Mean daily bright sunshine                  | hours | 6.4   | -0.4                                 |
| Sunniest day                                | hours | 14.0  |                                      |
| Mean wind speed at 0900 UTC (at 10 m)       | knots | 5.2   |                                      |
| No. of days with fog at 0900 UTC            | days  | 0     | -0.2                                 |
| No. of days with snow lying at 0900 UTC     | days  | 0     | 0.0                                  |

**Bold** denotes anomalies in excess of **one** standard deviation above/below the long-term mean, while **bold** with an asterisk (\*) denotes two standard deviations above/below, and bold with two asterisks (\*\*) denotes three standard deviations above/below. Standard deviations are not reported for counts (N. of days), lowest maximum/highest minimum temperature, wettest day and mean daily bright sunshine.

#### Notes

July 2024 was another fairly typical month in Oxford. Only one metric, mean minimum grass temperature, fell outside of one standard deviation from the standard period mean. Mean air temperature was slightly below the standard period average at 17.5°C, while total rainfall for the month was 67.9mm, 128% of the average July total. The 5<sup>th</sup> July, with 29.2mm of rainfall, was the wettest day of the month.

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Charlie Knight (15.08.2024)

**Radcliffe Meteorological Observer**