

Radcliffe Meteorological Station
 School of Geography - University of Oxford
 Monthly Summary of Weather at Oxford for *January 2023*

| | | Difference from long period mean |
|--|--------------------------|---|
| Mean air temperature (°C) | 5.2 | 1.4 |
| Absolute maximum air temperature (°C) | 13.7 (4 th) | 1.5 |
| Lowest maximum air temperature (°C) | -0.4 (21 st) | |
| Mean maximum air temperature (°C) | 8.5 | 1.6 |
| Absolute minimum air temperature (°C) | -6.2 (22 nd) | -0.9 |
| Mean minimum air temperature (°C) | 2.5 | 1.0 |
| Absolute minimum grass temperature (°C) | -8.6 (22 nd) | 0.4 |
| Mean minimum grass temperature (°C) | -0.1 | 0.8 |
| Absolute minimum concrete temperature (°C) | -5.6 (24 th) | 0.0 |
| Mean minimum concrete temperature (°C) | 0.6 | -0.1 |
| Mean soil temperature at 30 cm (°C) | 4.9 | 0.7 |
| Mean soil temperature at 100 cm (°C) | 7.1 | |
| Highest daily rainfall (mm) | 19.1 (11 th) | |
| Total rainfall (mm) | 57.2 | 4.0 |
| Total bright sunshine (hours) | 84.2 | 28.9 |
| Mean daily bright sunshine (hours) | 2.7 | |
| Mean wind speed (knots) | 11.4 | 1.4 |
| No. of rain days (0.2 mm or more rainfall) | 16.0 | -1.0 |
| No. of wet days (1.0 mm or more rainfall) | 11.0 | |
| No. of days with minimum temperature less than 0°C | 8.0 | -2.3 |
| No. of days with ground temperature less than 0°C | 14.0 | -3.8 |
| No. of days with fog at 0900 GMT | 1.0 | -2.3 |
| No. of days with snow lying at 0900 GMT | 0.0 | -3.5 |

Bold denotes anomalies in excess of **one** standard deviation above/below the long-term mean for January, while **bold** with an asterisk (*) denotes two standard deviations above/below, and bold with two asterisks (**) denotes three standard deviations above/below.

Notes

The majority of RMS Oxford's measurement statistics for January 2023 are within one standard deviation of the January long-term means, meaning weather conditions were largely typical for this time of year. However, more sunshine hours were recorded in January than would be expected from the long-term mean, with several days recording among the highest number of sunshine hours in the UK. There were periods of particularly warm and cold temperatures during January, the former resulting in the unusually high maximum air temperature (13.7°C) towards the start of the month. A cold snap occurred between 21-24th January, as multiple minimum temperatures were recorded during this period.

All available reports can be found on our website (www.geog.ox.ac.uk/research/climate/rms). Please contact rms@ouce.ox.ac.uk for further information or to request data from the weather station.

Sophie Harbord (20/03/2023)

Radcliffe Meteorological Observer