

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

| | | | Difference from 1991-2020 average |
|---|-------|------|--------------------------------------|
| Temperature | | | |
| Mean air temperature | °C | 5.3 | +0.1 |
| Mean daily maximum temperature | °C | 8.0 | -0.0 |
| Mean daily minimum temperature | °C | 2.6 | +0.2 |
| Highest maximum temperature | °C | 13.4 | +0.3 |
| Lowest maximum temperature | °C | 1.7 | -0.6 |
| Highest minimum temperature | °C | 8.6 | 0.0 |
| Lowest minimum temperature | °C | -5.2 | -1.3 |
| Air frosts (screen minimum < 0 °C) | days | 6 | -2.4 |
| Mean minimum grass temperature | °C | -0.2 | +0.4 |
| Lowest grass minimum temperature | °C | -7.8 | +0.0 |
| Ground frosts (grass minimum < 0 °C) | days | 13 | -4.1 |
| Mean concrete minimum temperature | °C | 0.2 | -0.4 |
| Lowest concrete minimum temperature | °C | -7.8 | -2.0 |
| Mean soil temperature at 30 cm at 0900 UTC | °C | 5.0 | +0.1 |
| Mean soil temperature at 100 cm at 0900 UTC | °C | 7.4 | |
| Precipitation | | | |
| Total precipitation | mm | 81.5 | 136% |
| Wettest day | mm | 30.7 | 252 |
| No. of rain days (0.2 mm or more rainfall) | days | 12 | -4.7 |
| No. of wet days (1.0 mm or more rainfall) | days | 9 | -2.9 |
| Sunshine duration | | | |
| Total bright sunshine | hours | 78.5 | 123% |
| Mean daily bright sunshine | hours | 2.53 | +0.48 |
| Sunniest day | hours | 9.2 | |
| Mean wind speed at 0900 UTC (at 10 m) | knots | 6.6 | |
| No. of days with fog at 0900 UTC | days | 0 | -2.3 |
| No. of days with snow lying at 0900 UTC | days | 0 | -1.4 |

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) or lowest maximum/highest minimum temperature, wettest day and mean daily bright sunshine.

Notes

January 2024 was a somewhat typical month by most metrics. Above average rainfall (136%) was complemented by above average bright sunshine hours for the time of year (123%), leaving us all to enjoy an average of 30 minutes a day extra sunshine than expected. Temperature parameters were all in line with 1991-2020 averages.

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.

Charlie Knight (28.02.2024)

Radcliffe Meteorological Observer