

Radcliffe Meteorological Station
School of Geography - University of Oxford
Monthly Summary of Weather at Oxford for *January 2025*.

			Difference from 1991-2020 average
Temperature			
Mean air temperature	°C	3.3	-1.9
Mean daily maximum temperature	°C	6.1	-1.9
Mean daily minimum temperature	°C	0.6	-1.8
Highest maximum temperature	°C	13.0	-0.1
Lowest maximum temperature	°C	-0.5	-2.8
Highest minimum temperature	°C	9.0	+0.4
Lowest minimum temperature	°C	-5.3	-1.4
Air frosts (screen minimum < 0 °C)	days	13	+4.6
Mean minimum grass temperature	°C	-1.8	-1.2
Lowest grass minimum temperature	°C	-6.1	+1.8
Ground frosts (grass minimum < 0 °C)	days	23	+5.9
Mean concrete minimum temperature	°C	-0.9	-1.5
Lowest concrete minimum temperature	°C	-6.5	-0.7
Mean soil temperature at 30 cm at 0900 UTC	°C	4.7	-0.2
Mean soil temperature at 100 cm at 0900 UTC	°C	7.2	
Precipitation			
Total precipitation	mm	71.8	120 %
Wettest day	mm	18.9	155 %
No. of rain days (0.2 mm or more rainfall)	days	13	-3.7
No. of wet days (1.0 mm or more rainfall)	days	10	-1.9
Sunshine duration			
Total bright sunshine	hours	51.9	81 %
Mean daily bright sunshine	hours	1.7	-0.4
Sunniest day	hours	7.7	
Mean wind speed at 0900 UTC (at 10 m)	knots	5.1	
No. of days with fog at 0900 UTC	days	1	-1.3
No. of days with snow lying at 0900 UTC	days	2	+0.6

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

January can be summarised as cold and gloomy. With a mean temperature of 3.3°C, it was the coldest January since 2010, and averaged just 1.7 hours of bright sunshine a day. From the 10th-12th of the month, mean temperatures did not exceed 0°C. Snow on the ground was recorded on two days, with a maximum depth of 1.5cm on 5th January. Ground frosts were recorded on 23 days of the month, while air frosts were recorded on 13 days. Rainfall was slightly above average at 71.8mm, while the wettest day (26th Jan; 18.9mm) was 155% in excess of the typical January wettest day rainfall.

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 (12.01.2025)
Radcliffe Meteorological Observer