

**Radcliffe Meteorological Station**  
 School of Geography - University of Oxford  
 Monthly Summary of Weather at Oxford for *December 2022*

		<b>Difference from long period mean</b>
Mean air temperature (°C)	3.7	-0.9
Absolute maximum air temperature (°C)	13.4 (19 <sup>th</sup> )	0.6
Lowest maximum air temperature (°C)	-1.2 (13 <sup>th</sup> )	
Mean maximum air temperature (°C)	7.2	-0.4
Absolute minimum air temperature (°C)	-7.4 (15 <sup>th</sup> )	-2.6
Mean minimum air temperature (°C)	0.8	-1.4
Absolute minimum grass temperature (°C)	-8.9 (15 <sup>th</sup> )	-0.8
Mean minimum grass temperature (°C)	-1.5	-1.1
Absolute minimum concrete temperature (°C)	-8.1 (15 <sup>th</sup> )	<b>-2.8</b>
Mean minimum concrete temperature (°C)	-0.7	<b>-1.8</b>
Mean soil temperature at 30 cm (°C)	4.6	-0.7
Mean soil temperature at 100 cm (°C)	7.8	
Highest daily rainfall (mm)	13.1 (18 <sup>th</sup> )	
Total rainfall (mm)	66.8	10.2
Total bright sunshine (hours)	60.5	10.9
Mean daily bright sunshine (hours)	2.0	
Mean wind speed (knots)	7.4	<b>-2.4</b>
No. of rain days (0.2 mm or more rainfall)	16.0	-1.1
No. of wet days (1.0 mm or more rainfall)	11.0	
No. of days with minimum temperature less than 0°C	12.0	3.4
No. of days with ground temperature less than 0°C	17.0	0.3
No. of days with fog at 0900 GMT	1.0	-2.9
No. of days with snow lying at 0900 GMT	7.0	<b>5.3</b>

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

**Notes**

December 2022 was slightly colder than usual at RMS Oxford, although only the minimum concrete temperatures were over a standard deviation colder than their long-term means. With 7 days of snow lying on the ground during this month, between 12<sup>th</sup> to 18<sup>th</sup> December, this is the joint 7<sup>th</sup> snowiest December recorded by RMS Oxford and the December with most snow days since 2010.

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

Sophie Harbord (15/01/2023)

**Radcliffe Meteorological Observer**