

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

		<b>Difference from long period mean</b>
Mean air temperature (°C)	19.5	<b>2.8*</b>
Absolute maximum air temperature (°C)	38.1 (19 <sup>th</sup> )	<b>9.8**</b>
Lowest maximum air temperature (°C)	19.0 (2 <sup>nd</sup> )	
Mean maximum air temperature (°C)	25.9	<b>4.0</b>
Absolute minimum air temperature (°C)	8.8 (5 <sup>th</sup> )	1.1
Mean minimum air temperature (°C)	13.8	<b>1.5</b>
Absolute minimum grass temperature (°C)	3.3 (5 <sup>th</sup> )	-0.6
Mean minimum grass temperature (°C)	10.0	0.0
Absolute minimum concrete temperature (°C)	8.6 (5 <sup>th</sup> )	0.9
Mean minimum concrete temperature (°C)	13.7	<b>1.0</b>
Mean soil temperature at 30 cm (°C)	20.1	<b>1.7</b>
Mean soil temperature at 100 cm (°C)	17.7	
Highest daily rainfall (mm)	2.3 (2 <sup>nd</sup> )	
Total rainfall (mm)	7.1	<b>-52.3</b>
Total bright sunshine (hours)	224.6	29.9
Mean daily bright sunshine (hours)	7.2	
Mean wind speed (knots)	7.3	-0.6
No. of rain days (0.2 mm or more rainfall)	6.0	<b>-6.5</b>
No. of wet days (1.0 mm or more rainfall)	3.0	
No. of days with minimum temperature less than 0°C	0.0	0.0
No. of days with ground temperature less than 0°C	0.0	0.0
No. of days with fog at 0900 GMT	0.0	-0.1
No. of days with snow lying at 0900 GMT	0.0	0.0

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

**Notes**

July 2022 was an unprecedented month at the RMS, with the Oxford temperature record, previously set in 2019 (36.5°C on 25/07/19), broken on the 18<sup>th</sup> (36.7°C) and then again on the 19<sup>th</sup> (38.1°C). The mean air temperature for the month (19.5°C) was also two standard deviations above the long-term average, making it the 5<sup>th</sup> warmest July in the RMS record. It was also an exceptionally dry month in Oxford, with the values for total rainfall (7.1mm) and number of rain days (6.0) both ranking as the joint 7<sup>th</sup> lowest for the month of July in the RMS record.

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.

Matt Clements (31/08/2022)

**Radcliffe Meteorological Observer**