

**Radcliffe Meteorological Station**  
 School of Geography - University of Oxford  
 Monthly Summary of Weather at Oxford for *July 2021*

		<b>Difference from long period mean</b>
Mean air temperature (°C)	18.7	<b>2.1</b>
Absolute maximum air temperature (°C)	31.3 (18 <sup>th</sup> )	3.0
Lowest maximum air temperature (°C)	17.5 (30 <sup>th</sup> )	
Mean maximum air temperature (°C)	23.7	1.8
Absolute minimum air temperature (°C)	10.5 (1 <sup>st</sup> )	<b>2.8*</b>
Mean minimum air temperature (°C)	14.3	<b>2.0</b>
Absolute minimum grass temperature (°C)	8.2 (1 <sup>st</sup> )	<b>4.3*</b>
Mean minimum grass temperature (°C)	err	err
Absolute minimum concrete temperature (°C)	10.5 (29 <sup>th</sup> )	<b>2.9</b>
Mean minimum concrete temperature (°C)	15.1	<b>2.4*</b>
Mean soil temperature at 30 cm (°C)	20.6	<b>2.2*</b>
Mean soil temperature at 100 cm (°C)	17.9	
Highest daily rainfall (mm)	15.4 (27 <sup>th</sup> )	
Total rainfall (mm)	67.7	8.3
Total bright sunshine (hours)	200.5	5.9
Mean daily bright sunshine (hours)	6.5	
Mean wind speed (knots)	5.6	<b>-2.3</b>
No. of rain days (0.2 mm or more rainfall)	17.0	4.5
No. of wet days (1.0 mm or more rainfall)	15.0	
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.

**Notes**

July 2021 was considerably warmer than average, with most temperature metrics at least one standard deviation above the long-term mean. A spell of unseasonably high temperatures were recorded during the middle of the month, when maximum temperatures exceeded 25°C for eight consecutive days from the 16<sup>th</sup> – 23<sup>rd</sup>. Rainfall was normal for the time of year, although was concentrated at the beginning and end of the month, with no precipitation recorded in a ten-day period from the 13<sup>th</sup> – 22<sup>nd</sup>. The month was also calmer than normal, with average wind speeds one standard deviation below the long-term mean. The minimum grass temperature values for the month were excessively high when compared to those at Reading, and as such should be treated with caution.

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Matt Clements (16/08/2021)

**Radcliffe Meteorological Observer**