

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

		<b>Difference from long period mean</b>
Mean air temperature (°C)	16.4	<b>2.7*</b>
Absolute maximum air temperature (°C)	29.0 (7 <sup>th</sup> , 8 <sup>th</sup> )	<b>4.6</b>
Lowest maximum air temperature (°C)	15.5 (29 <sup>th</sup> )	
Mean maximum air temperature (°C)	21.5	<b>2.8</b>
Absolute minimum air temperature (°C)	7.1 (29 <sup>th</sup> , 30 <sup>th</sup> )	<b>3.3</b>
Mean minimum air temperature (°C)	12.1	<b>2.1</b>
Absolute minimum grass temperature (°C)	2.5 (30 <sup>th</sup> )	<b>2.6</b>
Mean minimum grass temperature (°C)	9.9	<b>2.8</b>
Absolute minimum concrete temperature (°C)	5.3 (30 <sup>th</sup> )	<b>2.1</b>
Mean minimum concrete temperature (°C)	11.5	<b>2.0</b>
Mean soil temperature at 30 cm (°C)	17.8	<b>2.0*</b>
Mean soil temperature at 100 cm (°C)	17.5	
Highest daily rainfall (mm)	18.9 (28 <sup>th</sup> )	
Total rainfall (mm)	43.7	-15.5
Total bright sunshine (hours)	151.2	11.9
Mean daily bright sunshine (hours)	5.0	
Mean wind speed (knots)	7.5	-0.3
No. of rain days (0.2 mm or more rainfall)	10.0	-2.4
No. of wet days (1.0 mm or more rainfall)	6.0	
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	-1.2
No. of days with fog at 0900 GMT	0.0	-0.7
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 September, while **bold** with an asterisk (\*) denotes two standard deviations above/below.

### Notes

With a mean air temperature of 16.4°C, last month was the 5<sup>th</sup> warmest September in the Oxford record, and also featured the hottest September days (7<sup>th</sup>, 8<sup>th</sup>) since 2016. Indeed, all temperature metrics were at least one standard deviation above the long-term average, with the value for mean 30cm soil temperature (17.8°C) the 3<sup>rd</sup> highest recorded for a September. Although not unusually dry, almost three quarters (73%) of the total monthly rainfall was received across two days (13<sup>th</sup>, 28<sup>th</sup>) in September, with the 28<sup>th</sup> (18.9mm) being the wettest day in Oxford since mid-June. It was not unseasonably bright or windy for the time of year, and no instances of ground frost were recorded during the month.

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Matt Clements (15/10/2021)  
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