

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

		Difference from long period mean
Mean air temperature (°C)	12.7	2.5
Absolute maximum air temperature (°C)	19.7 (19 th)	0.3
Lowest maximum air temperature (°C)	12.3 (21 st)	
Mean maximum air temperature (°C)	16.2	1.9
Absolute minimum air temperature (°C)	4.9 (22 nd)	4.8*
Mean minimum air temperature (°C)	9.7	2.8
Absolute minimum grass temperature (°C)	-0.1 (22 nd)	3.7
Mean minimum grass temperature (°C)	6.7	2.6
Absolute minimum concrete temperature (°C)	3.2 (22 nd)	4.0
Mean minimum concrete temperature (°C)	8.5	2.3
Mean soil temperature at 30 cm (°C)	13.7	1.8
Mean soil temperature at 100 cm (°C)	14.9	
Highest daily rainfall (mm)	22.4 (19 th)	
Total rainfall (mm)	92.2	26.4
Total bright sunshine (hours)	103.5	0.6
Mean daily bright sunshine (hours)	3.3	
Mean wind speed (knots)	10.3	1.9
No. of rain days (0.2 mm or more rainfall)	12.0	-3.4
No. of wet days (1.0 mm or more rainfall)	9.0	
No. of days with minimum temperature less than 0°C	0.0	-1.4
No. of days with ground temperature less than 0°C	1.0	-5.2
No. of days with fog at 0900 GMT	1.0	-1.5
No. of days with snow lying at 0900 GMT	0.0	0.0

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

Notes

October 2021 was an unseasonably warm month, with a mean air temperature of 12.7°C making it the 10th warmest October in the Oxford record. With the exception of absolute maximum air temperature, all temperature metrics were at least one standard deviation above the long term mean, and there was only one instance of ground frost during the month, following in a similar vein to preceding Octobers (zero in 2020, one in 2019). Despite the number of rain days (12) being below the long term mean, total rainfall (92.2 mm) was above average, with the 19th (22.4 mm) being the wettest day in Oxford in 2021 and the highest daily total since December 2020.

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.

Matt Clements (23/11/2021)

Radcliffe Meteorological Observer