

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

		Difference from long period mean
Mean air temperature (°C)	13.5	3.3*
Absolute maximum air temperature (°C)	21.2 (29 th)	1.8
Lowest maximum air temperature (°C)	15.5 (14 th)	
Mean maximum air temperature (°C)	17.8	3.5*
Absolute minimum air temperature (°C)	2.6 (12 th)	2.5
Mean minimum air temperature (°C)	9.8	2.8
Absolute minimum grass temperature (°C)	-0.2 (11 th)	3.6
Mean minimum grass temperature (°C)	6.9	2.8
Absolute minimum concrete temperature (°C)	0.9 (11 th)	1.6
Mean minimum concrete temperature (°C)	8.3	2.0
Mean soil temperature at 30 cm (°C)	13.1	1.2
Mean soil temperature at 100 cm (°C)	14.0	
Highest daily rainfall (mm)	17.7 (23 rd)	
Total rainfall (mm)	79.1	13.2
Total bright sunshine (hours)	160.2	57.41*
Mean daily bright sunshine (hours)	5.2	
Mean wind speed (knots)	9.7	1.3
No. of rain days (0.2 mm or more rainfall)	19	3.6
No. of wet days (1.0 mm or more rainfall)	11	
No. of days with minimum temperature less than 0°C	0.0	-1.3
No. of days with ground temperature less than 0°C	1.0	-5.2
No. of days with fog at 0900 GMT	2.0	-0.5
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, and bold with two asterisks (**) denotes three standard deviations above/below.

Notes

October 2022 was considerably warmer than average, with 8 of our 10 temperature measurements at least 1 standard deviation away from their respective October long-term means. The mean air temperature (13.5°C) is the joint 4th warmest October in the RMS record, while the mean maximum air temperature (17.8) is the second highest recorded for October, only beaten by 19.1°C in 1921. Total sunshine recorded in October was 160.2 hours, which is a new record for this station, again beating a measurement taken in 1921.

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.

Sophie Harbord (04/12/2022)

Radcliffe Meteorological Observer