

Radcliffe Meteorological Station
 School of Geography - University of Oxford
 Monthly Summary of Weather at Oxford for *October 2023*

		Difference from long period mean
Mean air temperature (°C)	13.0	2.8
Absolute maximum air temperature (°C)	24.3 (8 th)	4.9
Lowest maximum air temperature (°C)	11.2 (28 th)	
Mean maximum air temperature (°C)	17.0	2.7
Absolute minimum air temperature (°C)	0.7 (16 th)	0.6
Mean minimum air temperature (°C)	9.6	2.6
Absolute minimum grass temperature (°C)	-1.0 (16 th)	2.8
Mean minimum grass temperature (°C)	7.6	3.5*
Absolute minimum concrete temperature (°C)	1.2 (16 th)	1.9
Mean minimum concrete temperature (°C)	8.5	2.2
Mean soil temperature at 30 cm (°C)	13.9	2.0
Mean soil temperature at 100 cm (°C)	15.4	
Highest daily rainfall (mm)	33.9 (13 th)	
Total rainfall (mm)	137.8	71.9
Total bright sunshine (hours)	110.8	8.0
Mean daily bright sunshine (hours)	3.6	
Mean wind speed (knots)	7.9	-0.5
No. of rain days (0.2 mm or more rainfall)	17	2
No. of wet days (1.0 mm or more rainfall)	12	
No. of days with minimum temperature less than 0°C	0	-1
No. of days with ground temperature less than 0°C	2	-4
No. of days with fog at 0900 GMT	0	-3
No. of days with snow lying at 0900 GMT	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 was a warm and rather wet month in Oxford. A number of temperature statistics were greater than 1 standard deviation above the long term mean, including mean air temperature, absolute maximum air temperature, and mean minimum air grass and concrete temperatures. The station received double the typical rainfall for the month with 137.8mm of rain. This is unusually wet, although October is the month we see the largest inter-annual variability in rainfall (the standard deviation of the long term record for October is the highest of any month of the year at 36.7mm).

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.

Charlie Knight (10.11.2023)

Radcliffe Meteorological Observer