

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

		Difference from long period mean
Mean air temperature (°C)	7.3	3.1
Absolute maximum air temperature (°C)	14.6 (16 th)	1.8
Lowest maximum air temperature (°C)	7.9 (24 th)	
Mean maximum air temperature (°C)	11.1	3.5
Absolute minimum air temperature (°C)	1.3 (11 th)	5.7
Mean minimum air temperature (°C)	4.1	2.6
Absolute minimum grass temperature (°C)	-3.6 (7 th)	4.8
Mean minimum grass temperature (°C)	1.2	2.2
Absolute minimum concrete temperature (°C)	-0.9 (7 th , 11 th , 23 rd)	4.2*
Mean minimum concrete temperature (°C)	2.2	1.2
Mean soil temperature at 30 cm (°C)	6.3	2.0
Mean soil temperature at 100 cm (°C)	7.3	
Highest daily rainfall (mm)	10.2 (28 th)	
Total rainfall (mm)	62.7	21.1
Total bright sunshine (hours)	98.5	26.8
Mean daily bright sunshine (hours)	3.5	
Mean wind speed (knots)	14.7	4.8*
No. of rain days (0.2 mm or more rainfall)	16.0	2.3
No. of wet days (1.0 mm or more rainfall)	11.0	
No. of days with minimum temperature less than 0°C	0.0	-9.5
No. of days with ground temperature less than 0°C	12.0	-4.6
No. of days with fog at 0900 GMT	0.0	-2.9
No. of days with snow lying at 0900 GMT	0.0	-3.0

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

Notes

Last month saw three named storms impact on the weather of the UK, with total rainfall (62.7 mm) and mean wind speed (14.7 knots) above average for the time of year in Oxford. Indeed, the latter of these two values made it the 3rd windiest February in the RMS record, and is the joint 6th highest reading for any month since 1881. Despite this, total sunshine hours (98.5) were one standard deviation above the long-term mean, with the 9.8 hours recorded on the 27th making it the 2nd sunniest February day on record (behind the 10.3 hours recorded on 27/02/2019). Temperatures were unseasonably warm; a mean air temperature of 7.3°C the joint 6th highest registered for the month, whilst there were no instances of air frost (only the 4th time this has occurred in February).

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 (18/03/2022)
Radcliffe Meteorological Observer