

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

		Difference from long period mean
Mean air temperature (°C)	4.7	0.9
Absolute maximum air temperature (°C)	13.9 (1 st)	1.7
Lowest maximum air temperature (°C)	4.5 (25 th)	
Mean maximum air temperature (°C)	8.4	1.5
Absolute minimum air temperature (°C)	-3.7 (6 th)	1.6
Mean minimum air temperature (°C)	1.4	-0.1
Absolute minimum grass temperature (°C)	-7.8 (21 st)	1.2
Mean minimum grass temperature (°C)	-1.7	-0.8
Absolute minimum concrete temperature (°C)	-4.5 (21 st)	1.1
Mean minimum concrete temperature (°C)	-0.2	-0.9
Mean soil temperature at 30 cm (°C)	5.2	1.0
Mean soil temperature at 100 cm (°C)	7.6	
Highest daily rainfall (mm)	5.0 (3 rd)	
Total rainfall (mm)	20.0	-33.2
Total bright sunshine (hours)	85.1	29.8
Mean daily bright sunshine (hours)	2.7	
Mean wind speed (knots)	6.8	-3.2
No. of rain days (0.2 mm or more rainfall)	9.0	-8.0
No. of wet days (1.0 mm or more rainfall)	7.0	
No. of days with minimum temperature less than 0°C	13.0	2.7
No. of days with ground temperature less than 0°C	20.0	2.2
No. of days with fog at 0900 GMT	1.0	-2.3
No. of days with snow lying at 0900 GMT	0.0	-3.5

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

Notes

With only 20.0 mm of total rainfall received, last month was the driest January in Oxford since 2006, whilst the number of rain days (9.0) was the joint 7th lowest value recorded for the month in the 141-year record. This marked a stark contrast to January 2021 (115.3 mm) which was the 5th wettest in the Oxford record; indeed, this difference (95.3 mm) is the 3rd largest between consecutive Januarys, behind only 1995-1996 (131.4 mm and 34.4 mm) and 1948-1949 (127.3 mm and 22.9 mm). The month was also brighter and calmer than normal, with the values for total sunshine (85.1 hours) and mean wind speed (6.8 knots) the 6th highest and joint 4th lowest recorded for January respectively. The temperature was fairly average for the time of year, with the exception of a maximum of 13.9°C observed on the 1st, making it the joint warmest New Year's Day in the Oxford record.

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 (17/02/2022)

Radcliffe Meteorological Observer