

Radcliffe Meteorological Station
 School of Geography - University of Oxford
 Monthly Summary of Weather at Oxford for *March 2024*.

			Difference from 1991-2020 average
Temperature			
Mean air temperature	°C	9.0	+1.5
Mean daily maximum temperature	°C	12.6	+1.3
Mean daily minimum temperature	°C	5.4	+1.7
Highest maximum temperature	°C	16.6	-0.2
Lowest maximum temperature	°C	7.1	+1.1
Highest minimum temperature	°C	10.8	+1.5
Lowest minimum temperature	°C	-4.0	-1.8
Air frosts (screen minimum < 0 °C)	days	2	-1.7
Mean minimum grass temperature	°C	3.1	+2.5*
Lowest grass minimum temperature	°C	-4.0	+2.6
Ground frosts (grass minimum < 0 °C)	days	6	-8.4
Mean concrete minimum temperature	°C	4.3	+2.2
Lowest concrete minimum temperature	°C	-2.0	+2.2
Mean soil temperature at 30 cm at 0900 UTC	°C	8.9	+2.1*
Mean soil temperature at 100 cm at 0900 UTC	°C	8.9	
Precipitation			
Total precipitation	mm	82.8	192 %
Wettest day	mm	11.5	97 %
No. of rain days (0.2 mm or more rainfall)	days	20	+6.2
No. of wet days (1.0 mm or more rainfall)	days	14	+4.9
Sunshine duration			
Total bright sunshine	hours	104.8	89 %
Mean daily bright sunshine	hours	3.38	-0.43
Sunniest day	hours	9.4	
Mean wind speed at 0900 UTC (at 10 m)	knots	6.1	
No. of days with fog at 0900 UTC	days	2	+0.4
No. of days with snow lying at 0900 UTC	days	0	-0.5

Bold denotes anomalies in excess of **one** standard deviation above/below the long-term mean, while **bold** with an asterisk (*) denotes two standard deviations above/below, and bold with two asterisks (**) denotes three standard deviations above/below. Standard deviations are not reported for counts (N. of days), lowest maximum/highest minimum temperature, wettest day and mean daily bright sunshine.

Notes

March 2024 continued the theme of recent months and the 2023/24 winter: wet and warm. Oxford received 192% of expected rainfall; a total of 82.8mm. This was however significantly less rain than the previous March (2023), which received a (record) 133.9mm. Mean air temperature was one standard deviation above the 1991-2020 average, and the month saw 8 days fewer ground frosts (where grass minimum < 0 °C) than would be expected for the time of year. The average mean daily bright sunshine was 1 hour 20 minutes greater than the previous month. We have also switched to summer hemisphere sun cards on the Campbell-Stokes sunshine recorder, so perhaps summer is on it's way.

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 (14.04.2024)
Radcliffe Meteorological Observer