

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

			Difference from 1991-2020 average
Temperature			
Mean air temperature	°C	10.3	+0.5
Mean daily maximum temperature	°C	14.1	-0.3
Mean daily minimum temperature	°C	6.5	+1.2
Highest maximum temperature	°C	20.1	-0.9
Lowest maximum temperature	°C	9.0	+0.4
Highest minimum temperature	°C	12.4	+1.7
Lowest minimum temperature	°C	1.2	+1.6
Air frosts (screen minimum < 0 °C)	days	0	-1.5
Mean minimum grass temperature	°C	4.9	+2.9*
Lowest grass minimum temperature	°C	-2.0	+2.7
Ground frosts (grass minimum < 0 °C)	days	3	-5.7
Mean concrete minimum temperature	°C	5.9	+1.6
Lowest concrete minimum temperature	°C	1.0	+2.9
Mean soil temperature at 30 cm at 0900 UTC	°C	11.5	+1.2
Mean soil temperature at 100 cm at 0900 UTC	°C	11.0	
Precipitation			
Total precipitation	mm	57.2	117 %
Wettest day	mm	23.5	185 %
No. of rain days (0.2 mm or more rainfall)	days	16	+3.6
No. of wet days (1.0 mm or more rainfall)	days	11	+2.1
Sunshine duration			
Total bright sunshine	hours	156.2	94 %
Mean daily bright sunshine	hours	5.21	-0.33
Sunniest day	hours	11.4	
Mean wind speed at 0900 UTC (at 10 m)	knots	8.4	
No. of days with fog at 0900 UTC	days	0	-0.55
No. of days with snow lying at 0900 UTC	days	0	0.00

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

April 2024 was by many accounts a fairly typical month, with the expected monthly hours of sunshine (156.2 hours; 94%) and rainfall (57.2, 117%). A number of temperature observations were above average, but only a couple significantly so. Mean air temperature was 10.3°C for the month, +0.5°C above the standard period average, while mean daily minimum temperature was 1.2°C above average. Grass and concrete minimum temperatures were also >1 standard deviation above long term averages, with the number of air and ground frosts were under average, suggesting a lack of cool and cloud free nights during the month.

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 (22.05.2024)
Radcliffe Meteorological Observer