

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

			Difference from 1991-2020 average
Temperature			
Mean air temperature	°C	18.1	+0.3
Mean daily maximum temperature	°C	22.9	+0.4
Mean daily minimum temperature	°C	13.4	+0.4
Highest maximum temperature	°C	30.4	+1.5
Lowest maximum temperature	°C	19.1	+2.0
Highest minimum temperature	°C	18.2	+0.8
Lowest minimum temperature	°C	8.6	+0.3
Air frosts (screen minimum < 0 °C)	days	0	0.0
Mean minimum grass temperature	°C	11.2	+1.2
Lowest grass minimum temperature	°C	5.7	+1.7
Ground frosts (grass minimum < 0 °C)	days	0	0.0
Mean concrete minimum temperature	°C	13.2	+0.9
Lowest concrete minimum temperature	°C	8.1	+1.1
Mean soil temperature at 30 cm at 0900 UTC	°C	19.7	+0.6
Mean soil temperature at 100 cm at 0900 UTC	°C	18.7	
Precipitation			
Total precipitation	mm	36.0	60 %
Wettest day	mm	14.7	88 %
No. of rain days (0.2 mm or more rainfall)	days	12	-0.6
No. of wet days (1.0 mm or more rainfall)	days	6	-3.1
Sunshine duration			
Total bright sunshine	hours	205.4	107 %
Mean daily bright sunshine	hours	6.6	+0.4
Sunniest day	hours	12.5	
Mean wind speed at 0900 UTC (at 10 m)	knots	5.9	
No. of days with fog at 0900 UTC	days	0	-0.3
No. of days with snow lying at 0900 UTC	days	0	0.0

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

Continuing the theme from July, August 2024 was another fairly typical month in Oxford. Only one metric, lowest grass minimum temperature, fell outside of one standard deviation from the standard period mean. Mean air temperature was slightly higher the standard period average at 18.1°C, while total rainfall for the month was 36mm, 60% of the average August total. Despite the relatively dry conditions, bright sunshine hours were just 7% greater than the standard period mean at 205.4 hours of sunshine.

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 (28.09.2024)

Radcliffe Meteorological Observer