

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

			Difference from 1991-2020 average
Temperature			
Mean air temperature	°C	15.4	-0.5
Mean daily maximum temperature	°C	20.7	0.0
Mean daily minimum temperature	°C	10.2	-0.9
Highest maximum temperature	°C	28.9	+0.6
Lowest maximum temperature	°C	15.4	+0.5
Highest minimum temperature	°C	14.9	-1.4
Lowest minimum temperature	°C	6.5	+0.1
Air frosts (screen minimum < 0 °C)	days	0	0.0
Mean minimum grass temperature	°C	8.3	-0.4
Lowest grass minimum temperature	°C	3.0	+0.7
Ground frosts (grass minimum < 0 °C)	days	0	-0.1
Mean concrete minimum temperature	°C	10.5	-0.5
Lowest concrete minimum temperature	°C	3.6	-2.0
Mean soil temperature at 30 cm at 0900 UTC	°C	17.7	+0.3
Mean soil temperature at 100 cm at 0900 UTC	°C	15.9	
Precipitation			
Total precipitation	mm	14.2	28 %
Wettest day	mm	6.2	42 %
No. of rain days (0.2 mm or more rainfall)	days	6	-5.8
No. of wet days (1.0 mm or more rainfall)	days	5	-3.2
Sunshine duration			
Total bright sunshine	hours	250.1	127 %
Mean daily bright sunshine	hours	8.34	+1.8
Sunniest day	hours	15.0	
Mean wind speed at 0900 UTC (at 10 m)	knots	6.0	
No. of days with fog at 0900 UTC	days	0	-0.1
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

In a respite from a wet start to the year, June was dry (and sunny) - both rainfall and sunshine were a standard deviation below and above their respective means. The month saw just 5 wet days and only 28% of expected rainfall. The station also recorded >250 bright sunshine hours for the month, 127% of expected and averaging 8.3 hours of sunshine a day. The only other statistic significantly different from its mean was average daily minimum temperature, at 10.2°C against a long term mean of 11.1°C. All other values were consistent with those expected from a typical June. Remarkably, this was the first month since December 2022 where mean air temperature was lower than the 1991-2020 average for the respective 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 (04.07.2024)
Radcliffe Meteorological Observer