

Radcliffe Meteorological Station
 School of Geography - University of Oxford
 Monthly Summary of Weather at Oxford for *April 2023*

		Difference from long period mean
Mean air temperature (°C)	9.0	0.6
Absolute maximum air temperature (°C)	19.1 (29 th)	-0.8
Lowest maximum air temperature (°C)	9.8 (24 th)	
Mean maximum air temperature (°C)	13.8	0.5
Absolute minimum air temperature (°C)	-1.2 (4 th)	-0.1
Mean minimum air temperature (°C)	5.0	0.6
Absolute minimum grass temperature (°C)	-5.5 (4 th)	-0.2
Mean minimum grass temperature (°C)	3.1	1.5
Absolute minimum concrete temperature (°C)	-2.0 (4 th)	0.0
Mean minimum concrete temperature (°C)	4.7	0.6
Mean soil temperature at 30 cm (°C)	10.5	1.2
Mean soil temperature at 100 cm (°C)	9.9	
Highest daily rainfall (mm)	11.5 (27 th)	
Total rainfall (mm)	65.9	22.4
Total bright sunshine (hours)	157.1	2.3
Mean daily bright sunshine (hours)	5.2	
Mean wind speed (knots)	8.8	-0.5
No. of rain days (0.2 mm or more rainfall)	15.0	1.6
No. of wet days (1.0 mm or more rainfall)	11.0	
No. of days with minimum temperature less than 0°C	1.0	-1.7
No. of days with ground temperature less than 0°C	6.0	-4.5
No. of days with fog at 0900 GMT	0.0	-0.4
No. of days with snow lying at 0900 GMT	0.0	-0.1

Bold denotes anomalies in excess of **one** standard deviation above/below the long-term mean for April.

April 2023 was a particularly ordinary month, with only 2 variables barely exceeding one standard deviation of long-term mean. The mean air temperature of 9.0°C, mean maximum temperature of 13.8°C and mean minimum temperature of 5.0°C are all slightly higher than historical average, indicating a marginally warmer April compared to historical records at the RMS. Mean minimum grass temperature and mean 30cm soil temperature at 0900 are both higher than historical averages, exceeding 1 standard deviation. Total rainfall of the month is higher than normal, although just falling short of 1 standard deviation above long-term mean (standard deviation is 24.5mm). Total sunshine hour is slightly higher than long-term mean, while the mean windspeed is slightly lower than long-term mean. Overall, April 2023 is an average month, with marginally higher temperature, precipitation, and sunshine hours compared to past Aprils at the RMS.

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.

Anlin Chen (16/05/2023)

Radcliffe Meteorological Observer