

Radcliffe Meteorological Station
 School of Geography - University of Oxford
 Monthly Summary of Weather at Oxford for *September 2022*

		Difference from long period mean
Mean air temperature (°C)	15.1	1.4
Absolute maximum air temperature (°C)	26.1	1.6
Lowest maximum air temperature (°C)	15.0	
Mean maximum air temperature (°C)	19.9	1.2
Absolute minimum air temperature (°C)	3.9	0.0
Mean minimum air temperature (°C)	11.2	1.2
Absolute minimum grass temperature (°C)	0.3	0.3
Mean minimum grass temperature (°C)	8.7	1.6
Absolute minimum concrete temperature (°C)	4.0	0.7
Mean minimum concrete temperature (°C)	10.5	1.0
Mean soil temperature at 30 cm (°C)	17.3	1.4
Mean soil temperature at 100 cm (°C)	18.1	
Highest daily rainfall (mm)	13.5	
Total rainfall (mm)	55.1	-4.1
Total bright sunshine (hours)	128.6	-10.8
Mean daily bright sunshine (hours)	4.3	
Mean wind speed (knots)	7.7	-0.1
No. of rain days (0.2 mm or more rainfall)	12.0	-0.4
No. of wet days (1.0 mm or more rainfall)	10.0	
No. of days with minimum temperature less than 0°C	0.0	0.0
No. of days with ground temperature less than 0°C	0.0	-1.2
No. of days with fog at 0900 GMT	0.0	-0.7
No. of days with snow lying at 0900 GMT	0.0	0.0

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

Following a record-breaking July and August, September 2022 was a rather ordinary month. The mean air temperature was 15.1 °C, which was just over 1 standard deviation above the long-term mean and ranked 25th in the RMS record. The mean minimum grass temperature was 8.7 °C, ranking the 15th highest in the record. The mean 30cm soil temperature at 17.3 °C was the 5th highest in record. The total rainfall was less than historical average and a cloud cover of 7 or 8 oktas was observed for half of the month (15 days). All the variables where the differences exceeded one standard deviation of long-term mean were some measures of mean rather than absolute values. It appears that September 2022 on average was warmer than usual, but it had few exceptional days with extreme values compared to historical data. Overall, September 2022 was moderately warmer and slightly drier and cloudier than Septembers at RMS in the past.

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.