

Radcliffe Meteorological Station
 School of Geography - University of Oxford
 Monthly Summary of Weather at Oxford for *September 2020*

		Difference from long period mean
Mean air temperature (°C)	14.9	1.2
Absolute maximum air temperature (°C)	27.0 (14 th , 15 th)	2.6
Lowest maximum air temperature (°C)	13.9 (26 th)	
Mean maximum air temperature (°C)	20.0	1.3
Absolute minimum air temperature (°C)	3.7 (28 th)	-0.1
Mean minimum air temperature (°C)	10.3	0.4
Absolute minimum grass temperature (°C)	-1.5 (28 th)	-1.4
Mean minimum grass temperature (°C)	7.1	0.0
Absolute minimum concrete temperature (°C)	2.5 (25 th)	-0.7
Mean minimum concrete temperature (°C)	9.8	0.4
Mean soil temperature at 30 cm (°C)	16.7	0.9
Mean soil temperature at 100 cm (°C)	17.1	
Highest daily rainfall (mm)	7.6 (23 rd)	
Total rainfall (mm)	26.5	-32.9
Total bright sunshine (hours)	173.4	34.4
Mean daily bright sunshine (hours)	5.8	
Mean wind speed (knots)	8.5	0.7
No. of rain days (0.2 mm or more rainfall)	7.0	-5.4
No. of wet days (1.0 mm or more rainfall)	5.0	
No. of days with minimum temperature less than 0°C	0.0	0.0
No. of days with ground temperature less than 0°C	1.0	-0.2
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, while **bold** with an asterisk (*) denotes two standard deviations above/below.

September 2020 was a relatively warm, dry and sunny month. For the first three weeks, the mean air temperature was well above the seasonal average. There was a 18-day dry spell from the 4th to the 22nd, and sunshine hours exceeded the norm for the time of year. In the last week of the month, there was a fresher and cooler feel to the weather, with most of the rainfall recorded at this time and cloudier conditions more prevalent.

The long-standing fault in the Vaisala probe used to measure maximum temperature was fixed in August. As the mean difference between the Vaisala and mercury maximum temperature was insignificant for the last three weeks of August, we are now reporting Vaisala maximum temperatures in our monthly statistics once again.

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.

David Crowhurst (06/10/2020)
Radcliffe Meteorological Observer