

Radcliffe Meteorological Station
 School of Geography - University of Oxford
 Monthly Summary of Weather at Oxford for *August 2018*

		Difference from long period mean
Mean air temperature (°C)	18.0	1.8
Absolute maximum air temperature (°C)	30.2 (5 th)	2.8
Lowest maximum air temperature (°C)	18.6 (12 th)	---
Mean maximum air temperature (°C)	23.4	2.1
Absolute minimum air temperature (°C)	6.9 (25 th)	---
Mean minimum air temperature (°C)	error	---
Absolute minimum grass temperature (°C)	3.5 (11 th)	0.2
Mean minimum grass temperature (°C)	10.6	1.1
Absolute minimum concrete temperature (°C)	6.0 [†] (25 th)	-1.0
Mean minimum concrete temperature (°C)	12.9 [†]	0.7
Mean soil temperature at 30 cm (°C)	19.8 [†]	1.6
Mean soil temperature at 100 cm (°C)	error	error
Highest daily rainfall (mm)	14.2 (26 th)	---
Total rainfall (mm)	43.2	-15.3
Total bright sunshine (hours)	200.3	20.3
Mean daily bright sunshine (hours)	6.5	---
Mean wind speed (knots)	5.8	---
No. of rain days (0.2 mm or more rainfall)	10.0	-3.3
No. of wet days (1.0 mm or more rainfall)	8.0	---
No. of days with minimum temperature less than 0°C	0.0	0
No. of days with ground temperature less than 0°C	0.0	0
No. of days with fog at 0900 GMT	0.0	-0.2
No. of days with snow lying at 0900 GMT	0.0	0

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

[†] One day missing value

Red: Affected by use of Vaisala HMT minimum due to bubble in alcohol thermometer

Notes

After the warmth of July, August has been closer to 'normal' for this time of year. Most temperature metrics were slightly above average for August, with the mean maximum temperature (23.4°C) over 3 degrees higher than the August average. The number of bright sunshine hours and rainfall were close to average as well.

We continued to encounter problems with our minimum temperature thermometer until it was replaced by the Met Office on the 21st. The minimum temperature data in the spreadsheet therefore refers to the data from the Vaisala logger between the 1st and 21st of August, and the new alcohol thermometer from the 22nd onwards. There is a tolerance of between 0.1 and 0.2°C between the two devices, so we have not displayed the minimum temperature mean for the whole month here. However, we have used a mean across all days in order to calculate the mean air temperature for the month (18.0°C)

All available reports can be found on our website (www.geog.ox.ac.uk/research/climate/rms). We also occasionally tweet (@RMS_Oxford).

Amy Creese (11/09/18)

Radcliffe Meteorological Observer