

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

		Difference from long period mean
Mean air temperature (°C)	14.8	+1.1
Absolute maximum air temperature (°C)	25.5 (1 st)	+1.1
Lowest maximum air temperature (°C)	12.8 (22 nd)	---
Mean maximum air temperature (°C)	20.4	+1.8
Absolute minimum air temperature (°C)	1.6 (29 th)	-2.2
Mean minimum air temperature (°C)	10.1	+0.2
Absolute minimum grass temperature (°C)	-1.9 (29 th)	-1.9
Mean minimum grass temperature (°C)	6.7	+0.4
Absolute minimum concrete temperature (°C)	0.7 (29 th)	-2.5
Mean minimum concrete temperature (°C)	8.9	+0.5
Mean soil temperature at 30 cm (°C)	16.4	+0.6
Mean soil temperature at 100 cm (°C)	17.2	---
Highest daily rainfall (mm)	14.2 (22 nd)	---
Total rainfall (mm)	30.3	-29
Total bright sunshine (hours)	169.8	+30.6
Mean daily bright sunshine (hours)	5.7	---
Mean wind speed (knots)	6.1	---
No. of rain days (0.2 mm or more rainfall)	5.0	-7.5
No. of wet days (1.0 mm or more rainfall)	4.0	---
No. of days with minimum temperature less than 0°C	0.0	0
No. of days with ground temperature less than 0°C	3.0	+1.8
No. of days with fog at 0900 GMT	0.0	-0.7
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 September.

Notes

Temperatures this September have been fairly close to the long term mean, with our different metrics measuring both above and below the monthly mean. The mean maximum temperature, at 20.4°C, was higher than average. Meanwhile, a cold snap at the end of the month brought an unusual three mornings with grass temperatures below freezing, and a colder than usual absolute minimum temperature of 1.6°C on the 29th of September. This month we welcomed back our 100 cm soil thermometer after a long hiatus, which measured a monthly average of 17.2°C.

September was a drier and sunnier month than usual, with only 5 days showing at least 0.2 mm of rain. Despite this, the monthly total rainfall, though on the low side, was within one standard deviation of the mean.

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

Emma Howard (02/10/18)

Radcliffe Meteorological Observer