

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

		Difference from long period mean
Mean air temperature (°C)	3.0	-1.2
Absolute maximum air temperature (°C)	11.4	-1.4
Lowest maximum air temperature (°C)	-1.1	---
Mean maximum air temperature (°C)	6.4	-1.1
Absolute minimum air temperature (°C)	-5.2	-0.8
Mean minimum air temperature (°C)	0.3	-1.2
Absolute minimum grass temperature (°C)	-9.2	-0.8
Mean minimum grass temperature (°C)	-3.5	-2.5
Absolute minimum concrete temperature (°C)	-6.1	-1.0
Mean minimum concrete temperature (°C)	-1.6	-2.6
Mean soil temperature at 30 cm (°C)	4.1	-0.1
Mean soil temperature at 100 cm (°C)	--	---
Highest daily rainfall (mm)	6.5	---
Total rainfall (mm)	24.1	-17.3
Total bright sunshine (hours)	117.6	+46.4*
Mean daily bright sunshine (hours)	4.2	---
Mean wind speed (knots)	6.8	-3
No. of rain days (0.2 mm or more rainfall)	11.0	-2.7
No. of wet days (1.0 mm or more rainfall)	7.0	---
No. of days with minimum temperature less than 0°C	14.0	+4.4
No. of days with ground temperature less than 0°C	22.0	+5.3
No. of days with fog at 0900 GMT	1.0	-1.9
No. of days with snow lying at 0900 GMT	2.0	-1.0

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

* denotes anomalies in excess of **two** standard deviations above/below the long-term mean for February.

Notes

February has been colder than average compared to the long term mean at RMS. The mean air temperature of 3.0°C was below the long term average of 4.2°C, but within the expected range for this type of year. The absolute minimum air temperature of -5.2°C was the coldest experienced in February since 2012. All other temperature variables were below average but within one standard deviation of the mean, except for the mean grass and concrete minimum temperatures. Both were significantly below average for this time of year (-3.5°C and -1.6°C respectively), with more than half of the days in February experiencing ground temperatures below 0°C.

February also experienced significantly more sunshine than usual, with 46.4 hours more sunshine than average for this month. This makes it the 2nd sunniest February on our record, only beaten by 2008 which had 124.1 bright sunshine hours.

Amy Creese (02/03/18)

Radcliffe Meteorological Observer