

Radcliffe Meteorological Station
 School of Geography - University of Oxford
 Monthly Summary of Weather at Oxford for *December 2017*

		Difference from long period mean
Mean air temperature (°C)	5.3	+0.7
Absolute maximum air temperature (°C)	13.2 (7 th)	+0.4
Lowest maximum air temperature (°C)	1.9 (2 nd)	---
Mean maximum air temperature (°C)	8.2	+0.7
Absolute minimum air temperature (°C)	-4.1 (12 th)	+0.7
Mean minimum air temperature (°C)	2.6	+0.5
Absolute minimum grass temperature (°C)	-9.2 (29 th)	-1.0
Mean minimum grass temperature (°C)	-0.5 [†]	-0.1
Absolute minimum concrete temperature (°C)	-4.9 (29 th)	+0.6
Mean minimum concrete temperature (°C)	1.2 [†]	+0.3
Mean soil temperature at 30 cm (°C)	5.2	-0.1
Mean soil temperature at 100 cm (°C)	-	-
Highest daily rainfall (mm)	24.2 (26 th)	---
Total rainfall (mm)	76.1	+19.9
Total bright sunshine (hours)	54.5	+5.0
Mean daily bright sunshine (hours)	1.8	---
Mean wind speed (knots)	6.9	---
No. of rain days (0.2 mm or more rainfall)	18.0	+1.0
No. of wet days (1.0 mm or more rainfall)	12.0	---
No. of days with minimum temperature less than 0°C	9.0	+0.3
No. of days with ground temperature less than 0°C	20.0	+3.1
No. of days with fog at 0900 GMT	2.0	-2.0
No. of days with snow lying at 0900 GMT	5.0	+3.2

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

[†] denotes missing data on one day

Notes

December 2017 at RMS must be characterised by the excitement of the first settling snow since 2012. Most snow fell overnight on the 9th and the morning of the 10th, leaving 6.5cm on the ground. By the 13th much of this had melted following warmer temperatures.

December was slightly warmer than average, but not significantly so. Overall, no temperature measurements for this month were beyond 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) and are on Instagram (rms_oxford).

Amy Creese (08/01/18), **Radcliffe Meteorological Observer**