

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

		Difference from long period mean
Mean air temperature (°C)	17.0 [†]	+2.1
Absolute maximum air temperature (°C)	28.8 (25 th) [†]	+2.1
Lowest maximum air temperature (°C)	16.9 (5 th) [†]	---
Mean maximum air temperature (°C)	22.8 [†]	+2.9
Absolute minimum air temperature (°C)	7.2 (22 nd)	+1.9
Mean minimum air temperature (°C)	11.6	+1.3
Absolute minimum grass temperature (°C)	-	-
Mean minimum grass temperature (°C)	-	-
Absolute minimum concrete temperature (°C)	4.9 (15 th)	-0.5
Mean minimum concrete temperature (°C)	11.8	+1.0
Mean soil temperature at 30 cm (°C)	18.6	+2.0*
Mean soil temperature at 100 cm (°C)	-	---
Highest daily rainfall (mm)	1.1 (1 st)	---
Total rainfall (mm)	2.5	-50.8
Total bright sunshine (hours)	250.9	+53.7
Mean daily bright sunshine (hours)	8.4	---
Mean wind speed (knots)	5.2	---
No. of rain days (0.2 mm or more rainfall)	4.0	-7.7
No. of wet days (1.0 mm or more rainfall)	1.0	---
No. of days with minimum temperature less than 0°C	0.0	0.0
No. of days with ground temperature less than 0°C	0.0	-0.3
No. of days with fog at 0900 GMT	0.0	-0.1
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 June.

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

[†] One day missing value, filled in from local stations; see notes below and spreadsheet for details

Notes

Two words describe June 2018: hot and dry. This month we received less than 5% of the average rainfall for June, making it the second driest June in our 200 year+ record. As well as having very little rainfall when it did rain, it rained on far fewer days than is usual at this time of year.

We must be slightly cautious with the air temperature data this month, as a battery-related problem left us without a maximum temperature reading on the 4th. Regional comparison suggests this was a relatively cool day, with a maximum of around 18.5°C. Including this results in the mean temperature of 17°C and the mean maximum temperature to 22.8°C above. Nevertheless, whether we include this day's readings or not, the rankings compared to historical data remain the same: a mean air temperature of 17°C ranks in the top 10 warmest Junes, and the mean maximum temperature of 22.8°C is the 3rd highest on record for June.

We are also missing one day of minimum grass temperature on the 15th of June. Regional comparison suggests this was likely the coldest ground value in the month, and so is likely to have had an impact on the overall monthly mean. For that reason we have not included the absolute minimum or mean value here.

Towards the end of the month we experienced very hot weather, with maximum temperatures above 25°C every day from the 25th onwards. This has continued into July.

Finally, along with all the hot weather we experienced a lot of sunshine in Oxford, with 53.7 hours of bright sunshine more than average. This places June 2018 in the top 20 sunniest Junes on record.

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 (10/07/18)

Radcliffe Meteorological Observer