

Radcliffe Meteorological Station

Oxford University Centre for the Environment, University of Oxford

Annual Summary of Weather at Oxford for 2017

	January	February	March	April	May	June	July	August	September	October	November	December
Mean air temperature (°C)	3.8	6.4	9.3	9.5	14.0	17.6	18.3	16.6	14.1	error	6.9	5.3
Difference from long period mean	0.0	2.2	3.5	1.1	2.4	2.7	1.7	0.4	0.4	error	0.4	0.7
Absolute maximum air temperature (°C)	11.2	15.6	21.2	24.1	27.0	32.5	32.2	27.6	23.3	error	15.4	13.2
Difference from long period mean	-1.0	2.9	4.8	4.3	2.8	5.8	4.0	0.3	-1.1	error	0.4	0.4
Lowest maximum air temperature (°C)	1.2	2.3	9.7	10.3	11.7	16.4	18.8	15.3	15.3	error	4.1	1.9
Mean maximum air temperature (°C)	7.3	9.3	13.7	15.1	19.2	22.7	23.4	21.4	18.6	error	10.7	8.2
Difference from long period mean	0.4	1.8	3.5	1.9	2.4	2.8	1.6	0.1	0.0	error	0.7	0.7
Absolute minimum air temperature (°C)	-3.9	-1.7	1.6	0.0	0.6	8.3	10.6	8.9	4.8	1.1	-1.2	-4.1
Difference from long period mean	1.5	2.7	2.6	1.1	0.9	3.0	2.9	1.7	0.9	1.1	1.6	0.7
Mean minimum air temperature (°C)	0.8	4.1	5.7	4.7	9.4	12.9	13.9	12.6	10.4	9.7	3.5	2.6
Difference from long period mean	-0.7	2.6	3.2	0.3	2.1	2.6	1.6	0.5	0.5	2.8	-0.2	0.4
Absolute minimum grass temperature (°C)	-9.1	-3.9	-2.9	error	-4.5	4.0	5.1	4.6	-0.1	-3.3	-5.6	-9.2
Difference from long period mean	-0.1	4.5	4.4	error	-1.8	2.4	1.3	1.3	-0.1	0.5	0.8	-0.9
Mean minimum grass temperature (°C)	-2.8	1.6	2.4	0.3	6.7	4.0	10.9	9.3	6.8	7.1	0.7	-0.5
Difference from long period mean	-1.9	2.6	2.5	-1.3	1.9	2.2	0.9	-0.2	-0.3	3.1	-0.5	-0.1
Absolute minimum concrete temperature (°C)	-5.5	-3.0	-0.2	-0.1	0.2	7.8	9.2	7.1	0.1	-0.2	-3.2	-4.9
Difference from long period mean	0.2	2.0	4.1	1.9	-1.5	2.4	1.6	0.1	-3.2	0.7	0.7	0.6
Mean minimum concrete temperature (°C)	-1.0	2.3	4.6	3.9	8.7	12.7	13.4	12.0	9.2	8.5	2.3	1.2
Difference from long period mean	-1.7	1.2	2.4	-0.2	1.1	1.9	0.8	-0.1	-0.3	2.2	-0.6	0.3
Mean soil temperature at 30 cm (°C)	4.0	6.0	8.6	11.7	14.6	19.1	19.8	18.8	16.3	13.6	8.6	5.2
Difference from long period mean	-0.2	1.8	2.6	2.4	1.5	2.6	1.5	0.7	0.5	error	0.7	0.0
Mean soil temperature at 100 cm (°C)	6.3	6.4	8.4	10.9	12.8	16.7	18.2	17.8	16.7	error	error	0.0
Highest daily rainfall (mm)	11.4	8.6	10.8	2.6	22.6	17.6	15.2	11.7	14.2	3.2	12.1	24.2
Total rainfall (mm)	64.1	42.8	44.1	5.4	63.6	30.5	62.3	62.8	60.7	17.1	48.4	76.1
Difference from long period mean	11.1	1.4	2.8	-38.1	12.0	-23.0	8.8	3.7	1.3	-48.1	-13.7	19.9
Total bright sunshine (hours)	65.0	60.9	115.6	176.6	169.4	203.3	181.5	176.1	119.9	97.7	99.6	54.5
Difference from long period mean	9.8	-10.1	1.5	22.6	-22.1	6.5	-12.2	-3.2	-18.7	-5.4	34.4	5.0
Mean daily bright sunshine (hours)	2.1	2.2	3.7	5.9	5.5	6.8	5.9	5.7	4.0	3.2	3.3	1.8
Mean wind speed (knots)	4.5	6.4	7.5	4.5	error	6.1	5.8	5.1	4.9	6.7	5.2	6.9
Difference from long period mean	-5.5	-3.4	2.2	2.2	error	error	error	error	error	error	error	error
No. of rain days (0.2 mm or more rainfall)	17.0	17.0	19.0	5.0	14.0	8.0	14.0	17.0	21.0	14.0	14.0	18.0
Difference from long period mean	0.1	3.3	5.0	-8.5	0.4	-3.7	1.4	3.7	8.5	-1.3	-10.0	1.0
No. of wet days (1.0 mm or more rainfall)	12.0	11.0	10.0	2.0	11.0	4.0	10.0	10.0	12.0	5.0	8.0	12.0
No. of days with minimum temperature less than 0°C	16.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	9.0
Difference from long period mean	5.7	-8.6	-6.3	-2.7	-0.3	-0.1	0.0	0.0	0.0	-1.4	1.0	0.3
No. of days with ground temperature less than 0°C	23.0	12.0	12.0	18.0	2.0	0.0	0.0	0.0	1.0	2.0	16.0	20.0
Difference from long period mean	5.1	-4.6	-5.1	6.5	-0.6	-0.3	0.0	0.0	-1.2	-4.3	3.8	3.1
No. of days with fog at 0900 GMT	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0
Difference from long period mean	1.6	-3.0	-1.8	-0.4	-0.1	-0.1	-0.1	-0.2	-0.7	-1.6	-1.7	-2.0
No. of days with snow lying at 0900 GMT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0
Difference from long period mean	-3.5	-3.0	-0.9	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	3.2

NOTES

bold denotes anomalies more than 1 standard deviation away from the long-term monthly mean
underline denotes anomalies more than 2 standard deviations away from the long-term monthly mean
italic denotes anomalies more than 3 standard deviations from the long-term monthly mean
 1-3 days missing data; please see monthly data reports for details

Notes

Stats

Year	Notes	Stats
11.1	Due to the change from mercury thermometers, and some teething issues with the new logger, we were missing maximum temperature data for most of October	March joint 2nd warmest; May 4th warmest; June 4th warmest (warmest since 1976)
1.2		June 2nd highest on record
32.5		July 2nd highest
2.6		May 4th warmest
18.8		May 5th warmest; June 1st warmest
15.4		
1.2		
-4.1		
2.8		
7.5		
1.0		
-9.2		
0.9		
3.9		
0.4		
-5.5		
-1.1		
6.5		
0.3		
12.2		
1.3		
11.4		
24.2		
577.9		
14.1		
1520.1		
71.0		
4.2		
5.8		
-2.8		
178.0		September 5th highest
-1.3		
107.0		
30.0		
-15.4		
106.0		
10.6		
8.0		
-11.1		
10.0		
-9.5		