

# Radcliffe Meteorological Station

Oxford University Centre for the Environment, University of Oxford

## Annual Summary of Weather at Oxford for 2015

	January	February	March	April	May	June	July	August	September	October	November	December
Mean air temperature (°C)	4.8	4.2	6.9	9.9	11.9	15.4	17.3	16.7	13.1	11.3	10.1	10.8
Difference from long period mean	<b>1.0</b>	0.0	1.1	<b>1.6</b>	0.3	0.5	0.7	0.6	-0.6	1.2	<b>3.6</b>	<b>6.2</b>
Absolute maximum air temperature (°C)	13.8	13.2	15.4	22.5	20.8	29.7	33.5	29.2	21.5	18.5	17.3	15.9
Difference from long period mean	<b>1.6</b>	0.5	-0.9	<b>2.7</b>	<b>-3.4</b>	<b>3.1</b>	<b>5.4</b>	1.9	-2.7	-1.0	<b>2.3</b>	<b>3.1</b>
Lowest maximum air temperature (°C)	3.7	2.6	6.9	10.2	11.8	15.0	15.9	16.3	14.0	11.5	5.1	9.4
Mean maximum air temperature (°C)	8.4	7.6	11.3	16.1	16.8	21.1	22.6	21.3	18.2	15.2	13.2	13.6
Difference from long period mean	1.5	<b>0.1</b>	1.1	<b>2.9</b>	0.0	1.2	0.8	0.0	-0.4	0.9	<b>3.3</b>	<b>6.2</b>
Absolute minimum air temperature (°C)	-4.5	-2.1	-1.2	0.2	3.0	4.9	<b>5.6</b>	8.7	4.6	2.7	-1.6	3.5
Difference from long period mean	1.1	2.3	<b>2.1</b>	1.3	1.5	-0.4	<b>-2.1</b>	1.5	0.8	<b>2.7</b>	1.2	<b>5.3</b>
Mean minimum air temperature (°C)	1.6	1.1	3.3	4.6	7.7	10.2	12.6	13.0	8.9	7.9	7.4	8.2
Difference from long period mean	<b>0.1</b>	-0.4	0.8	0.2	0.4	-0.1	0.3	1.0	-1.0	1.0	<b>3.5</b>	<b>6.1</b>
Absolute minimum grass temperature (°C)	-11.1	-10.2	-7.0	-4.6	0.9	0.4	1.5	4.7	0.6	-2.3	-6.8	-1.7
Difference from long period mean	-2.1	-1.8	0.4	0.7	<b>3.5</b>	-1.1	<b>-2.3</b>	1.4	0.7	1.5	0.4	<b>6.5</b>
Mean minimum grass temperature (°C)	-2.1	-3.2	-0.1	1.3	4.5	6.7	9.1	10.0	5.2	3.9	4.3	5.4
Difference from long period mean	-1.2	<b>-2.2</b>	0.1	-0.3	-0.2	<b>-1.3</b>	-0.9	0.5	<b>-1.9</b>	-0.1	<b>3.1</b>	<b>5.8</b>
Absolute minimum concrete temperature (°C)	-5.0	error	-3.8	0.0	3.0	5.4	5.7	7.2	-1.0	0.8	-4.0	0.7
Difference from long period mean	0.6	error	0.6	2.1	1.3	0.2	<b>-1.8</b>	0.2	<b>-4.4</b>	1.8	0.2	<b>6.2</b>
Mean minimum concrete temperature (°C)	-0.1	error	2.0	4.1	7.4	10.5	12.5	12.3	7.6	6.3	5.7	6.3
Difference from long period mean	-0.9	error	-0.1	0.0	-0.1	-0.2	0.0	0.2	<b>-1.8</b>	0.1	<b>2.7</b>	<b>5.4</b>
Mean soil temperature at 30 cm (°C)	4.8	3.9	6.6	11.1	14.1	17.0	18.9	18.1	15.4	11.7	10.7	9.6
Difference from long period mean	0.7	0.3	0.6	<b>1.8</b>	1.0	0.5	0.6	0.0	<b>-0.4</b>	-0.2	<b>2.8</b>	<b>4.3</b>
Mean soil temperature at 100 cm (°C)	6.8	5.4	6.8	9.8	12.6	14.9	17.1	16.8	15.8	12.9	11.8	10.3
Highest daily rainfall (mm)	10.7	11.8	5.8	10.1	10.5	7.9	31.9	17.8	12.3	13.0	6.9	13.5
Total rainfall (mm)	55.5	46.4	25.8	22.6	55.6	28.9	47.8	57.2	36.8	45.1	65.3	62.0
Difference from long period mean	2.6	5.2	-15.4	-21.1	4.2	-24.6	-11.9	-1.4	-22.7	-20.4	3.2	5.8
Total bright sunshine (hours)	81.9	80.5	125.0	217.6	183.2	243.7	error	error	error	84.2	35.3	38.3
Difference from long period mean	<b>27.0</b>	9.9	10.9	<b>63.8</b>	-8.4	<b>46.2</b>	error	error	error	-18.9	<b>-29.5</b>	-11.0
Mean daily bright sunshine (hours)	2.6	2.9	4.0	7.3	5.9	8.1	error	error	error	2.7	1.2	1.1
Mean wind speed (knots)	7.5	8.3	8.2	5.9	8.1	9.2	7.7	error	error	7.5	5.6	7.4
Difference from long period mean	<b>-2.6</b>	-1.5	-1.5	<b>-3.4</b>	<b>3.1</b>	1.2	-0.2	error	-0.3	<b>-2.8</b>	-1.6	0.7
No. of rain days (0.2 mm or more rainfall)	22.0	13.0	12.0	8.0	17.0	11.0	10.0	12.0	13.0	11.0	22.0	20.0
Difference from long period mean	<b>5.1</b>	0.7	-2.0	<b>-5.5</b>	3.4	-0.7	-2.6	-1.3	0.6	-4.4	<b>5.9</b>	3.0
No. of wet days (1.0 mm or more rainfall)	15.0	9.0	8.0	5.0	11.0	8.0	7.0	10.0	6.0	7.0	17.0	13.0
No. of days with minimum temperature less than 0°C	10.0	10.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Difference from long period mean	-0.3	-0.6	<b>-6.3</b>	-2.7	-0.3	0.0	0.0	0.0	0.0	-1.4	-3.0	<b>-8.8</b>
No. of days with ground temperature less than 0°C	22.0	22.0	16.0	13.0	0.0	0.0	0.0	0.0	0.0	5.0	6.0	1.0
Difference from long period mean	4.2	<b>5.4</b>	-0.1	2.5	-3.6	0.3	0.0	0.0	-1.2	-1.3	<b>-6.1</b>	<b>-15.8</b>
No. of days with fog at 0900 GMT	2.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	1.0	2.0	0.0
Difference from long period mean	-1.4	-2.0	0.2	-0.4	-0.1	-0.1	-0.1	-0.2	<b>1.3</b>	-1.6	-1.8	<b>-4.0</b>
No. of days with snow lying at 0900 GMT	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Difference from long period mean	-2.7	-2.1	-0.9	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-1.8

### 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  
 May be one day of suspect data. Please see monthly report for details

Concrete thermometer broken from 10th-19th February

No access to sunshine recorder on: 31st July; 1st-3rd, 8th, 11th-12th, 31st August; 26th-27th September - see monthly report

No access to wind recorder on: 1st-2nd August

Year
11.0
<b>1.3</b>
33.5
<b>3.8</b>
2.6
15.5
<b>1.5</b>
-4.5
<b>3.1</b>
7.2
<b>1.0</b>
-11.1
0.1
3.8
0.2
-5.0
<b>2.2</b>
6.8
<b>1.0</b>
11.8
<b>0.9</b>
11.8
31.9
549.0
-96.6
error
error
error
7.8
-1.1
171.0
0.7
116.0
23.0
<b>-23.5</b>
85.0
-16.3
10.0
-9.2
2.0
-7.6

### COMMENTS (yearly stats)

In top 13 years, tied with 5 other years. Record is 11.5 in 2014

8th highest in record

7th highest in record, record is 16 in 2011

11th highest

15th highest in record, record was 7.7 in 2014

Joint 1st in record (with 2006) - record is 29 years

13th highest

At least 1548.5 - but several missing days

At least +42.3

Mean 4.4 for days available

In 20 lowest years - very few fog days