

# Radcliffe Meteorological Station

Oxford University Centre for the Environment, University of Oxford

## Annual Summary of Weather at Oxford for 2014

### COMMENTS (yearly stats)

	January	February	March	April	May	June	July	August	September	October	November	December	Year	
Mean air temperature (°C)	6.2	6.7	7.8	<b>10.3</b>	<b>12.8</b>	16.5	18.9	15.8	15.9	13.1	8.3	5.5	11.5	Highest on record (record began in 1815). Previous highest was 2006 (11.4C)
Difference from long period mean	<b>2.4</b>	<b>2.5</b>	<b>2.0</b>	<b>2.0</b>	<b>1.2</b>	<b>1.6</b>	<b>2.3</b>	-0.3	<b>2.2</b>	<b>3.0</b>	<b>1.8</b>	<b>0.9</b>	<b>1.8</b>	
Absolute maximum air temperature (°C)	12.8	12.1	19.0	error	error	25.6	28.5	25.1	24.6	21.6	16.8	13.4	28.5	
Difference from long period mean	0.6	-0.6	<b>2.6</b>	error	error	-1.0	0.4	-2.2	0.2	2.1	<b>1.8</b>	0.6	-1.2	
Lowest maximum air temperature (°C)	4.7	5.5	8.2	error	error	15.7	20.2	16.7	18.1	12.2	5.9	4.7	4.7	
Mean maximum air temperature (°C)	9.3	9.7	12.9	<b>15.0</b>	<b>17.1</b>	21.5	24.9	20.8	21.1	16.8	11.5	9.0	15.8	2nd highest on record (record began in 1881). Current highest = 2011 (16C)
Difference from long period mean	<b>2.4</b>	<b>2.2</b>	<b>2.7</b>	<b>1.8</b>	<b>0.3</b>	<b>1.6</b>	<b>3.1</b>	-0.5	<b>2.5</b>	<b>2.5</b>	<b>1.6</b>	<b>1.6</b>	<b>1.8</b>	
Absolute minimum air temperature (°C)	-1.5	1.7	-0.8	<b>0.9</b>	0.5	8.3	9.3	6.7	5.0	3.2	-2.1	-3.1	-3.1	
Difference from long period mean	<b>3.9</b>	<b>6.2</b>	<b>2.5</b>	<b>2.0</b>	-1.0	<b>3.0</b>	<b>1.6</b>	-0.5	<b>1.2</b>	<b>3.2</b>	<b>0.7</b>	<b>1.8</b>	<b>4.6</b>	
Mean minimum air temperature (°C)	3.5	4.2	3.5	6.3	8.9	11.8	13.5	11.6	11.4	9.9	5.5	2.2	7.7	Joint highest on record with 2006 (record began in 1881).
Difference from long period mean	<b>2.0</b>	<b>2.7</b>	<b>1.0</b>	<b>2.0</b>	<b>1.6</b>	<b>1.5</b>	<b>1.2</b>	-0.4	<b>1.5</b>	<b>3.0</b>	<b>1.6</b>	<b>0.1</b>	<b>1.5</b>	
Absolute minimum grass temperature (°C)	-6.9	-3.5	-6.0	<b>-1.5</b>	error	4.1	4.5	1.8	-0.2	-1.6	-6.5	-10.2	-10.2	
Difference from long period mean	2.1	<b>4.9</b>	<b>1.4</b>	<b>3.8</b>	error	<b>2.6</b>	0.7	-1.4	-0.1	<b>3.2</b>	-0.1	-2.0	1.0	
Mean minimum grass temperature (°C)	0.6	1.2	-0.2	<b>4.8</b>	error	8.4	10.3	8.5	7.3	5.7	2.0	-1.9	4.2	
Difference from long period mean	1.4	<b>2.2</b>	<b>0.0</b>	<b>3.2</b>	error	0.4	0.3	-1.0	0.2	1.7	0.8	-1.5	0.6	
Mean minimum concrete temperature (°C)	1.2	1.9	1.7	<b>7.1</b>	error	12.0	13.3	10.5	10.0	8.4	4.7	0.6	6.5	
Difference from long period mean	0.3	0.9	-0.5	<b>3.0</b>	error	<b>1.3</b>	0.7	<b>-1.6</b>	0.6	<b>2.3</b>	<b>2.0</b>	-0.3	<b>0.7</b>	
Absolute minimum concrete temperature (°C)	-4.0	-1.1	-4.1	<b>2.2</b>	error	7.4	8.9	5.1	3.6	0.7	-2.0	-5.1	-5.1	2nd highest on record (record began in 1987). Current highest = 1990 (-5.0C)
Difference from long period mean	1.5	<b>4.0</b>	0.2	<b>4.7</b>	error	2.3	1.3	<b>-1.9</b>	0.1	1.8	<b>2.0</b>	0.7	<b>2.2</b>	
Mean soil temperature at 30 cm (°C)	5.6	5.6	7.1	11.1	14.6	18.5	20.3	18.4	17.1	13.7	10.2	6.5	12.4	Highest on record (record began in 1925). Previous highest was 2006 (12.3C)
Difference from long period mean	<b>1.4</b>	<b>1.4</b>	<b>1.1</b>	<b>1.9</b>	<b>1.6</b>	<b>2.0</b>	<b>2.0</b>	0.3	<b>1.3</b>	<b>1.8</b>	<b>2.4</b>	<b>1.2</b>	<b>1.5</b>	
Mean soil temperature at 100 cm (°C)	6.5	6.2	7.4	10.4	13.5	16.8	18.7	18.4	17.2	14.6	12.5	8.2	12.5	
Highest daily rainfall (mm)	14.5	25.1	11.2	11.9	19.5	15.0	10.8	16.5	2.2	11.8	18.0	12.3	25.1	
Total rainfall (mm)	146.9	90.1	39.2	50.2	90.3	37.0	45.5	85.6	4.1	65.6	98.6	44.0	797.1	
Difference from long period mean	<b>94.1</b>	<b>48.7</b>	-2.0	6.5	<b>38.9</b>	-16.6	-14.2	27.0	<b>-55.5</b>	0.0	<b>36.5</b>	-12.2	<b>151.2</b>	
Total bright sunshine (hours)	80.1	97.3	135.6	149.3	185.5	236.2	265.9	193.4	143.7	116.8	60.9	96.7	1761.4	Highest since 1995 (1880.6 hours)
Difference from long period mean	<b>25.2</b>	<b>26.8</b>	21.6	4.0	-6.2	39.1	<b>72.3</b>	13.3	4.8	13.6	-4.1	<b>47.3</b>	<b>255.5</b>	
Mean daily bright sunshine (hours)	2.6	3.5	4.4	5.0	6.0	7.9	8.6	6.2	4.8	3.8	2.0	3.1	4.8	
Mean wind speed (knots)	9.8	14.4	8.8	8.5	8.4	6.9	6.4	9.1	5.3	10.2	6.1	11.0	8.7	
Difference from long period mean	-0.3	<b>4.5</b>	-0.9	-0.9	-0.1	-1.1	<b>-1.5</b>	1.3	<b>-2.3</b>	<b>1.8</b>	<b>-2.9</b>	1.2	-0.1	
No. of rain days (0.2 mm or more rainfall)	30.0	23.0	18.0	14.0	19.0	9.0	13.0	19.0	3.0	20.0	22.0	17.0	207.0	2nd highest on record (after 1960)
Difference from long period mean	<b>13.1</b>	<b>9.4</b>	3.9	0.3	<b>5.4</b>	-2.7	0.4	<b>5.8</b>	<b>-9.5</b>	4.6	<b>6.0</b>	0.0	<b>36.8</b>	
No. of wet days (1.0 mm or more rainfall)	24.0	16.0	16.0	11.0	15.0	6.0	8.0	14.0	2.0	13.0	15.0	7.0	147.0	
No. of days with minimum temperature less than 0°C	3.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	8.0	15.0	
Difference from long period mean	<b>-7.2</b>	<b>-9.7</b>	<b>-5.4</b>	<b>-2.8</b>	-0.3	0.0	0.0	0.0	0.0	-1.4	-3.1	-0.7	<b>-30.7</b>	
No. of days with ground temperature less than 0°C	13.0	12.0	14.0	0.0	error	0.0	0.0	0.0	1.0	4.0	10.0	22.0	76.0	
Difference from long period mean	-4.7	-4.6	<b>-2.1</b>	<b>-2.8</b>	error	-0.4	0.0	0.0	-1.2	-2.3	-2.2	5.2	<b>23.8</b>	
No. of days with fog at 0900 GMT	3.0	0.0	3.0	1.0	0.0	0.0	0.0	1.0	0.0	1.0	7.0	0.0	16.0	
Difference from long period mean	-0.5	-3.1	1.1	0.5	-0.1	-0.1	-0.1	0.8	-0.7	-1.7	<b>3.2</b>	<b>-4.0</b>	-4.3	
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	0.0	0.0	0.0	0.0	0.0	
Difference from long period mean	-3.6	-3.0	-0.9	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-1.7	-9.5	

### NOTES

**bold** denotes anomalies more than 1 standard deviation away from the long-term monthly mean

Grass minimum temperature missing for 5 days

Maximum temperature thermometer broken from 2nd April so values provided by Met Office

Grass and concrete minimum thermometers broken from 12th April and not replaced until May.

