

Radcliffe Meteorological Station

Oxford University Centre for the Environment, University of Oxford

Annual Summary of Weather at Oxford for 2010

	January	February	March	April	May	June	July	August	September	October	November	December	Year
Mean air temperature (°C)	0.7	2.9	5.6	9.5	12.3	16.9	18.4	16.0	13.9	10.4	4.7	-0.4	9.2
Difference from long period mean	-3.1	-1.3	-0.2	1.2	0.7	2.1	1.9	-0.1	0.2	0.3	-1.8	-5.0	-0.5
Absolute maximum air temperature (°C)	10.4	11.5	17.8	21.8	29.0	29.6	30.8	26.0	22.4	21.2	15.5	8.0	31.0
Difference from long period mean	-1.8	-1.2	1.5	2.1	4.8	3.0	2.8	-1.3	-1.9	1.8	0.5	-4.8	+1.3
Lowest maximum air temperature (°C)	0.2	2.7	5.6	9.6	11.4	14.6	19.2	15.6	13.0	9.2	-1.2	-4.4	-4.4
Mean maximum air temperature (°C)	4.8	7.3	11.5	16.0	18.0	22.7	24.6	21.4	18.9	14.6	8.5	2.7	14.3
Difference from long period mean	-2.0	-0.2	1.4	2.9	1.3	2.9	2.9	-0.1	0.3	0.4	-1.4	-4.7	+0.4
Absolute minimum air temperature (°C)	-8.2	-1.5	-4.4	0.7	0.8	6.6	10.6	6.9	4.2	-1.1	-4.8	-10.9	-10.9
Difference from long period mean	-2.7	3.1	-1.0	1.9	-0.7	1.4	3.0	-0.3	0.4	-1.0	-1.9	-6.0	-3.2
Mean minimum air temperature (°C)	-1.3	1.3	3.0	5.0	7.7	11.1	14.2	12.0	10.1	7.4	2.9	-2.1	5.9
Difference from long period mean	-2.2	-0.1	0.5	0.7	0.5	0.9	2.0	0.0	0.2	0.6	-0.9	-4.2	-0.3
Absolute minimum grass temperature (°C)	-9.6	-6.5	-7.2	-3.4	-3.0	2.7	4.9	4.1	-0.8	-6.3	-11.0	-12.5	-12.5
Difference from long period mean	-0.6	2.0	0.2	2.0	-0.4	1.2	1.0	0.9	-0.7	-2.5	-4.6	-4.3	-1.3
Mean minimum grass temperature (°C)	-2.8	-1.3	-0.2	1.0	4.4	8.0	10.3	8.9	6.7	3.6	-1.3	-5.1	2.7
Difference from long period mean	-1.9	-0.3	-0.1	-0.6	-0.3	0.0	0.3	-0.6	-0.4	-0.4	-2.5	-4.6	-0.9
Mean minimum concrete temperature (°C)	-1.3	-0.2	1.8	3.6	5.7	11.0	13.7	11.0	8.6	5.8	1.1	-1.8	4.9
Difference from long period mean	-2.2	-1.4	-0.6	-0.5	-2.0	0.3	1.2	-1.2	-0.9	-0.1	-1.6	-2.7	-1.0
Absolute minimum concrete temperature (°C)	-6.5	-3.9	-5.8	-0.2	-0.7	6.3	9.3	5.6	2.3	-3.0	-6.0	-5.6	-6.5
Difference from long period mean	-0.9	1.3	-1.5	2.3	-2.7	1.3	1.8	-1.5	-1.2	-1.9	-2.0	0.3	-0.8
Mean soil temperature at 30 cm (°C)	3.0	3.6	5.9	9.9	13.2	17.2	19.2	18.0	15.9	12.1	8.0	2.8	10.7
Difference from long period mean	-1.1	-0.6	0	0.7	0.2	0.7	1.0	-0.1	0.2	0.3	0.2	-2.4	-0.1
Mean soil temperature at 100 cm (°C)	5.1	4.9	6.1	9.1	11.9	15.0	17.2	17.3	16.2	13.6	10.5	5.8	11.1
Highest daily rainfall (mm)	13.6	20.6	10.4	8.8	11.7	11.7	8.2	51.1	12.6	8.6	14.4	12.6	51.1
Total rainfall (mm)	66.9	80.1	48.1	25.5	28.6	43.6	17.9	146.2	52.5	44.2	39.3	31.8	624.7
Difference from long period mean	14.4	39.1	6.7	-25.8	-22.7	-9.8	-42.0	88.0	-7.7	-21.4	-22.7	-24.0	-20.1
Total bright sunshine (hours)	59.2	53.9	123.4	200.3	189.6	208.0	179.3	132.8	111.8	119.0	46.8	14.0*	1424.1
Difference from long period mean	4.6	-16.8	10.1	8.8	-1.9	11.0	-13.2	-47.7	-27.3	16.0	-18.1	-35.0	-82.8
Mean daily bright sunshine (hours)	2.0	2.2	4.3	7.2	7.3	7.2	6.0	4.6	3.9	4.0	1.6	0.8	4.3
Mean wind speed (knots)	8.1	8.3	8.4	9.1	8.2	7.3	10.0	9.2	8.3	9.7	10.4	7.1	8.7
Difference from long period mean	-2.0	-1.6	-1.4	0.6	-0.3	-0.7	2.1	1.4	0.6	0.8	1.4	-2.6	-0.1
Highest gust speed (knots)	32.0	43.0	35	34.0	38.0	34.0	42.0	38.0	39.0	36.0	46.0	error	46.0
Difference from long period mean	-18.7	-4.7	-14.4	-4.2	-0.2	-3.6	8.0	3.5	-0.3	-9.2	2.3	error	-13.5
No. of rain days (0.2 mm or more rainfall)	16.0	23.0	15	8.0	10.0	10.0	7.0	20.0	14.0	16.0	13.0	11.0	148.0
Difference from long period mean	-0.8	9.4	0.9	-5.6	-3.6	-1.7	-5.6	6.8	1.4	0.7	-2.9	-6.0	-22.1
No. of wet days (1.0 mm or more rainfall)	10.0	15.0	12	5.0	5.0	8.0	5.0	15.0	1.0	8.0	8.0	6.0	86.0
No. of days with minimum temperature less than 0°C	16.0	7.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	10.0	23.0	67.0
Difference from long period mean	5.7	-2.8	1.6	-0.4	-0.4	0.0	0.0	0.0	0.0	0.5	4.8	14.2	+20.8
No. of days with ground temperature less than 0°C	25.0	17.0	17.0	10.0	5.0	0.0	0.0	0.0	1.0	8.0	19.0	26.0	128.0
Difference from long period mean	7.3	0.4	0.9	6.4	1.4	-0.4	0.0	0.0	-0.2	1.6	6.8	9.2	+26.6
No. of days with fog at 0900 GMT	4.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.0	12.0	24.0
Difference from long period mean	0.5	-2.1	-0.8	-0.1	-0.1	-0.1	-0.1	-0.2	0.3	-0.7	-0.9	7.9	+3.1
No. of days with snow lying at 0900 GMT	11.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	15.0	31.0
Difference from long period mean	7.4	0.9	-0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	13.3	+21.5

* There were no sun readings from 11th-14th and 19th-27th December due to a broken lock and dangerous icy conditions respectively