Radcliffe Meteorological Station

Oxford University Centre for the Environment, University of Oxford

Annual Summary of Weather at Oxford for 2016

	January	February	March	April	May	June	July	August	September	October	November	December	Year	Stats
Mean air temperature (°C)	6.0	5.6	5.7	8.3	13.3	15.8	18.3	18.1	16.5	11.0	6.3	6.2	10.9	
Difference from long period mean	2.2	1.4	-0.1	0.0	1.7	0.9	1.7	1.9	2.8	0.8	-0.2	1.6	1.2	In top 16 years, tied with 2009 and 1949. Record 11.5 in 2014. 14/16 since 1990
Absolute maximum air temperature (°C)	15.9	13.9	15.4	17.5	26.2	25.6	32.3	29.5	29.2	18.5	14.4	14.6	32.3	
Difference from long period mean	3.7	1.2	-1.1	-2.3	2.0	-1.0	4.2	2.2	4.8	-1.0	-0.6	1.8	2.6	8th highest in record
Lowest maximum air temperature (°C)	3.9	4.5	6.8	10.2	12.8	13.0	18.5	19.0	16.2	11.7	4.7	5.4	19.0	
Mean maximum air temperature (°C)	9.4	9.1	10.2	13.2	18.4	20.1	23.4	23.4	21.0	15.2	9.6	9.6	15.2	
Difference from long period mean	2.5	1.6	0.0	0.0	1.6	0.2	1.6	2.1	2.4	0.9	-0.3	2.1	1.2	7th highest in record, record is 16 in 2011
Absolute minimum air temperature (°C)	-4.8	-2.5	-2.2	-0.3	1.5	8.8	9.1	9.1	7.4	2.3	-4.7	-4.0	-4.8	
Difference from long period mean	0.6	1.9	1.1	0.8	0.0	3.5	1.4	1.9	3.6	2.3	-1.9	0.8	2.8	11th highest
Mean minimum air temperature (°C)	3.0	2.7	2.1	4.1	8.9	11.9	13.7	13.6	12.8	7.3	3.4	3.0	7.2	
Difference from long period mean	1.5	1.2	-0.4	-0.3	1.6	1.6	1.4	1.6	2.9	0.4	-0.5	0.9	1.0	15th highest in record, record was 7.7 in 2014
Absolute minimum grass temperature (°C)	-10.3	-8.9	-7.5	-4.3	-3.5	6.3	5.8	4.8	6.3	-2.2	-9.6	-8.4	-10.3	
Difference from long period mean	-1.3	-0.4	-0.1	1.0	-0.9	4.8	2.0	1.5	2.3	1.5	-3.2	-0.2	0.9	
Mean minimum grass temperature (°C)	-0.8	-1.1	-1.4	1.0	5.7	10.5	11.0	10.7	10.4	3.3	-0.8	-0.4	4.0	
Difference from long period mean	0.1	-0.1	-1.2	-0.6	1.0	2.5	1.0	1.2	3.3	-0.7	-2.0	0.0	0.4	
Absolute minimum concrete temperature (°C)	-8.3	-4.5	-5.1	-0.6	1.5	8.2	8.5	8.5	5.5	1.1	-6.8	-7.8	-8.3	
Difference from long period mean	-2.6	0.6	-0.7	1.5	-0.2	2.9	1.0	1.5	2.1	2.1	-2.9	-2.3	-1.1	
Mean minimum concrete temperature (°C)	0.4	0.6	0.8	3.5	8.9	12.3	13.9	13.0	12.0	5.5	0.9	0.8	6.1	Joint 1st in record (with 2006) - record is 29 years
Difference from long period mean	-0.3	-0.4	-1.3	-0.6	1.4	1.6	1.3	0.9	2.5	-0.7	-2.0	-0.1	0.3	
Mean soil temperature at 30 cm (°C)	6.3	5.9	6.5	10.1	15.0	17.8	20.0	19.6	18.1	12.4	8.2	6.1	12.2	13th highest
Difference from long period mean	2.1	1.7	0.5	0.8	1.9	1.3	1.7	1.5	2.3	0.5	0.3	0.7	1.3	
Mean soil temperature at 100 cm (°C)	8.3	7.2	7.0	9.5	12.8	15.8	17.8	18.4	17.8	error	10.8	8.2	12.1	
Highest daily rainfall (mm)	14.3	12.6	28.5	9.1	26.7	16.5	1.1	11.5	12.8	15.2	20.0	16.4	28.5	
Total rainfall (mm)	83.7	47.6	74.2	53.2	81.4	95.7	3.6	41.2	41.7	26.5	78.2	32.1	659.1	
Difference from long period mean	30.7	5.2	32.9	9.5	29.9	42.1	-55.9	-17.3	-17.7	-38.8	16.0	-24.0	14.1	
Total bright sunshine (hours)	59.1	113.4	123.8	164.6	204.7	104.4	223.5	202.1	115.3	117.9	88.3	60.6	1577.7	
Difference from long period mean	4.0	42.5	9.7	10.8	13.0	92.4	29.7	22.2	-23.5	14.7	23.3	11.2	71.0	
Mean daily bright sunshine (hours)	1.9	3.9	4.0	5.5	6.6	3.5	7.2	6.5	2.8	3.8	2.9	2.0	4.2	
Mean wind speed (knots)	7.4	8.5	7.4	6.2	8.5	4.2	6.1	6.1	4.9	4.6	6.7	4.4	6.3	
Difference from long period mean	-2.6	-1.3	-2.3	3.1	0.0	-3.8	-1.7	-1.7	-2.8	-3.7	-2.3	5.3	-2.8	
No. of rain days (0.2 mm or more rainfall)	22.0	9.0	13.0	21.0	11.0	18.0	7.0	13.0	13.0	10.0	17.0	15.0	169.0	
Difference from long period mean	5.1	-4.7	-1.0	7.4	-2.6	6.2	-5.6	-0.3	0.6	-5.3	0.9	-2.0	-1.3	
No. of wet days (1.0 mm or more rainfall)	15.0	7.0	10.0	15.0	10.0	15.0	1.0	8.0	7.0	5.0	13.0	4.0	110.0	
No. of days with minimum temperature less than 0°C	5.0	6.0	5.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	10.0	30.0	
Difference from long period mean	-5.3	-3.6	-2.3	-1.7	-0.3	0.0	0.0	0.0	0.0	-1.4	-2.0	1.3	-15.4	
No. of days with ground temperature less than 0°C	14.0	19.0	19.0	13.0	3.0	0.0	0.0	0.0	0.0	5.0	20.0	18.0	111.0	
Difference from long period mean	-3.8	2.4	2.9	2.5	-0.6	-0.3	0.0	0.0	-1.2	-1.3	7.8	1.1	10.6	
No. of days with fog at 0900 GMT	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	4.0	9.0	In 20 lowest years - very few fog days
Difference from long period mean	-3.4	-3.0	1.2	-0.4	-0.1	-0.1	-0.1	-0.2	0.3	-1.6	-3.8	0.0	-11.1	
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   Stats   Stats 2015

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   CHANGE THESE
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