

WOKINGHAM METEOROLOGICAL DATA

Lat 51.425 N, Long 0.853 W, NGR (SU) 798701

Altitude 45 m ASL. Emmbrook, Wokingham, Berkshire.

Annual Summary 2016

Temperature

	°C	°F	Anom	Rank in 135 years
Mean maximum	15.4	59.7	(+0.5)	16th highest
Mean minimum	6.6	43.9	(+0.1)	16th highest
Daily mean	11.0	51.8	(+0.3)	18th highest
Highest maximum	33.0	91.4		on 19th July
Lowest maximum	3.6	38.5		on 19th January
Highest minimum	18.3	64.9		on 20th July
Lowest minimum	-6.4	20.5		on 30th November
Mean grass minimum	3.2	37.8	(-0.2)	
Lowest grass minimum	-11.0	12.2		on 20th January
Mean 30cm earth temp.	12.4	54.3	(+0.6)	
Highest 30cm	21.1	70.0		on 24th July
Lowest 30cm	3.8	38.8		on 21st January
Mean 100cm earth temp	12.6	54.7		
Highest 100cm	18.4	65.1		on 31st July
Lowest 100cm	7.4	45.3		on 12th March
Warmest month	August,		daily mean 18.5°C,	65.3°F
Coollest month	February,		daily mean 5.6°C,	42.1°F

Table 1. Temperature category for each month. (See note 2, page 4)

Category	Month
1. Very cool	-
2. Cool	Nov
3. Normal	Feb, Mar, Apr, Oct, Dec
4. Warm	Jan, May, Jun, Jul
5. Very warm	Aug, Sep

Table 2. Number of days with max/min air temperature in given range.

Range, deg C	Number of days		Range, deg C	Number of days	
	Max	Min		Max	Min
-15.0 to -10.1	0	0	10.0 to 14.9	110	89
-10.0 to -5.1	0	3	15.0 to 19.9	73	24
-5.0 to -0.1	0	49	20.0 to 24.9	74	0
0.0 to 4.9	4	100	25.0 to 29.9	22	0
5.0 to 9.9	80	101	30.0 to 34.9	3	0

Table 3. Monthly totals of Air Frost and Ground Frost.

	Jan	Feb	Mar	Apr	May	Jun	
Air frost	7 (-3)	11 (+1)	10 (+4)	5 (+1)	1 (0)	0 (0)	
Ground frost	18 (0)	18 (+1)	18 (+2)	17 (+3)	6 (+1)	0 (-1)	
	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Air frost	0 (0)	0 (0)	0 (0)	0 (-2)	7 (+1)	11 (0)	52 (+3)
Ground frost	0 (0)	0 (0)	0 (-1)	9 (+2)	19 (+6)	22 (+6)	127 (+19)

Date of: last spring air frost, 1st May ground frost, 15th May
 first autumn air frost, 3rd November ground frost, 1st October
 Frost free period, air 186 days, (-3) ground 138 days, (+17).
 Annual total of air frost duration: 351.0 hours (-31.2)
 Frostiest month December, 105.0 hours

[Difference from 1981-2010 average in brackets]

Temperature anomaly in deg C

Rainfall.

Total **688.4** mm 27.10 inches (106 %) 44th highest in 135 years

Number of : Rain days 162 (+1) Wet days 105 (-8) Days => 5mm 40 (-5)

A rain day has at least 0.2 mm

A wet day has at least 1.0 mm

Highest daily fall to 9am: 66.8 mm on 15th September

Wettest month, September 98.3 mm 183 % of average
Driest month, December 12.3 mm 20 % of average

Duration of measurable rainfall; 460.6 hours Longest in a day; 16.9 hours on January 26th
Highest monthly duration; 85.9 hours in January Lowest ; 7.7 hours in July

Number of dry spells, (5 or more consecutive dry days): 15
Longest dry spell; 15 days, 3rd to 17th August
Total number of : Dry days, 204 (-1) Days in dry spells, 108

Table 4. **Rainfall category for each month.**

Category	Month
1. Very wet	Jan
2. Wet	Mar, Apr, Jun, Sep, Nov
3. Normal	Feb, May
4. Dry	Jul, Aug, Oct
5. Very dry	Dec

(See note 2, page 4)

Table 4a **Rain rate, maximum daily, between given limits**

Rate mm/hr	Days	Rate mm/hr	Days
<10	111	50 to 100	11
10 to 25	23	100 to 250	2
25 to 50	17	>250	1
		Missing *	1
Highest rate	530 mm/hr on the 15th September		

Table 5. **Distribution of measurable rainfall duration.**

Hours	Days	Hours	Days	Hours	Days
0	166	6.1 to 9.0	13	18.1 to 21.0	0
0.1 to 1.0	97	9.1 to 12.0	5	21.1 to 24.0	0
1.1 to 3.0	53	12.1 to 15.0	3	Missing *	0
3.1 to 6.0	28	15.1 to 18.0	1	*Not available due to snow/ice	

Table 6. **Number of days with rainfall between given limits.**

Fall, mm	Days	Fall, mm	Days
0.0 to 0.1	204	10.0 to 19.9	10
0.2 to 0.9	57	20.0 to 29.9	6
1.0 to 4.9	65	30.0 to 39.9	0
5.0 to 9.9	23	> 39.9	1

Sunshine.

(Recorded on an electronic sunshine detector)

Total **1551.7** hours Daily mean **4.24** hours (99 %)

Sunniest day 15.1 hours on the 19th July
Number of days: Nil sun 54 (-3) =>12 hrs 16

Weather.

Number of days with:

Snow or sleet falling; 4 (-10)
Snow lying at 0900 GMT; 0 (-6)
Thunder heard; 14 (-2)
Hail; 17 (+4) =>5mm; 5 (+2) <5mm, 12 (+3)
Fog at 0900 GMT; 13 (+2)

Air Pressure,

corrected to MSL.

Mean at 0900 GMT **1016.2** mabr (+0.2)
Absolute highest 1045.6 mbar on 27th December
Absolute lowest 970.4 mbar on 20th November

[Difference from 1981-2010 average in brackets]

Wind**Table 7. Summary of monthly wind speed at 10 metres**

Month	Mean speed mph	Windiest day		Highest gust		Calm 0.5 mph or less hours
		mph	Date	mph	Date/time (GMT)	
January	8.3	16.1	29th	43	7/1231	9.3
February	8.8	18.0	8th	58	6/1459	7.7
March	7.4	16.0	28th	54	28/0154	13.5
April	6.6	11.9	6th	41	6/1622	5.1
May	6.2	10.1	13th	31	2/1242	9.0
June	6.0	10.9	2nd	31	29/0009	6.1
July	6.7	11.2	10th	33	9/1831	5.3
August	6.3	12.6	20th	41	20/1252	14.0
September	6.0	10.4	29th	32	9/1338	12.3
October	4.4	9.2	18th	31	5/1155	32.1
November	5.9	10.4	24th	44	17/1307	10.4
December	5.0	11.8	25th	35	23/1411	24.1
Year	6.4	18.0	8th February	58	6th February	148.9

Table 8. Summary of hourly mean wind direction. Number of hours with wind from given directions, in degrees from true north, summed over 30 degree segments.

	Direction											
	360 N	030 NNE	060 ENE	090 E	120 ESE	150 SSE	180 S	210 SSW	240 WSW	270 W	300 WNW	330 NNW
January	7	6	15	28	54	59	150	176	144	61	37	7
February	39	70	39	25	9	16	56	132	190	51	39	30
March	65	132	81	5	8	8	57	113	105	55	49	66
April	51	39	78	15	12	24	73	124	126	76	52	50
May	96	164	98	33	26	20	28	112	65	48	30	24
June	61	102	60	22	17	9	33	158	142	52	34	30
July	22	5	13	7	5	12	17	222	232	101	46	62
August	34	32	44	39	11	24	38	145	184	98	48	47
September	29	30	22	18	16	41	115	227	121	37	26	38
October	83	131	160	47	15	17	37	76	70	40	28	40
November	37	102	73	19	9	30	40	135	118	53	50	54
December	16	56	101	35	31	43	55	233	120	37	10	7
Year	540	869	784	293	213	303	699	1853	1617	709	449	455

Appendix 1.

Monthly statistics from the electronic sunshine detector, 2016.

Note:

Month	Total hours	Highest daily, hrs/date	Number of days with:			Hours		
			Nil	0.1 to 2.9	3.0 to 5.9	6.0 to 8.9	9.0 to 11.9	=>12.0 hrs
January	69.7	8.0 on 20th	10	11	5	5	0	0
February	93.9	8.9 on 16th	4	10	9	6	0	0
March	122.8	11.0 on 17th	6	9	6	6	4	0
April	160.7	13.4 on 20th	1	8	7	10	3	1
May	187.7	14.5 on 4th	5	6	4	6	5	5
June	104.8	14.2 on 6th	3	12	8	4	2	1
July	183.6	15.1 on 19th	0	8	11	5	4	3
August	212.8	14.5 on 6th	1	7	7	5	5	6
September	130.5	11.8 on 14th	2	12	6	3	7	0
October	124.4	11.1 on 3rd	4	9	8	7	3	0
November	90.5	8.5 on 2nd	6	12	5	7	0	0
December	70.3	7.6 on 1st	12	8	5	6	0	0
Year	1551.7	15.1	54	112	81	70	33	16

Appendix 2.

Monthly categories, quick look table, 2016.

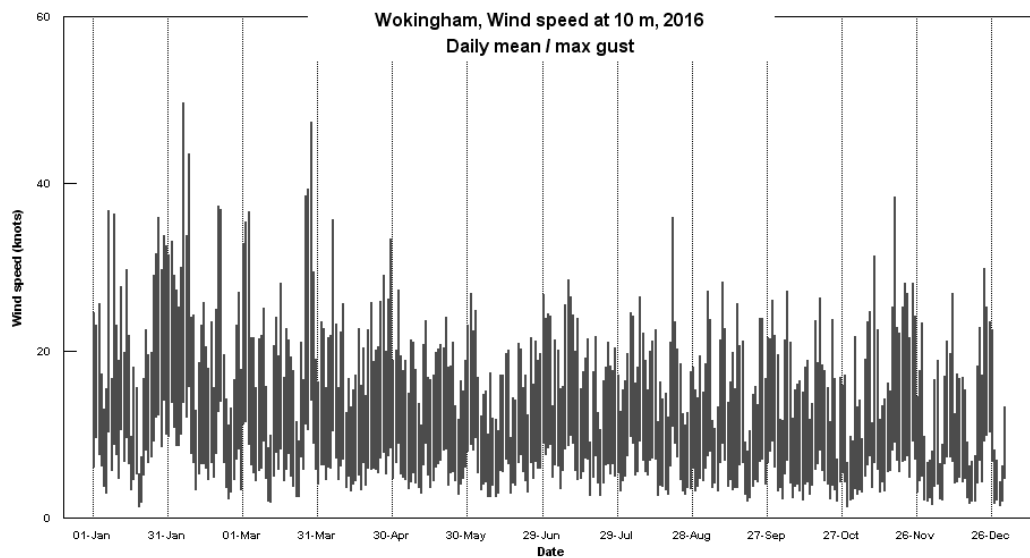
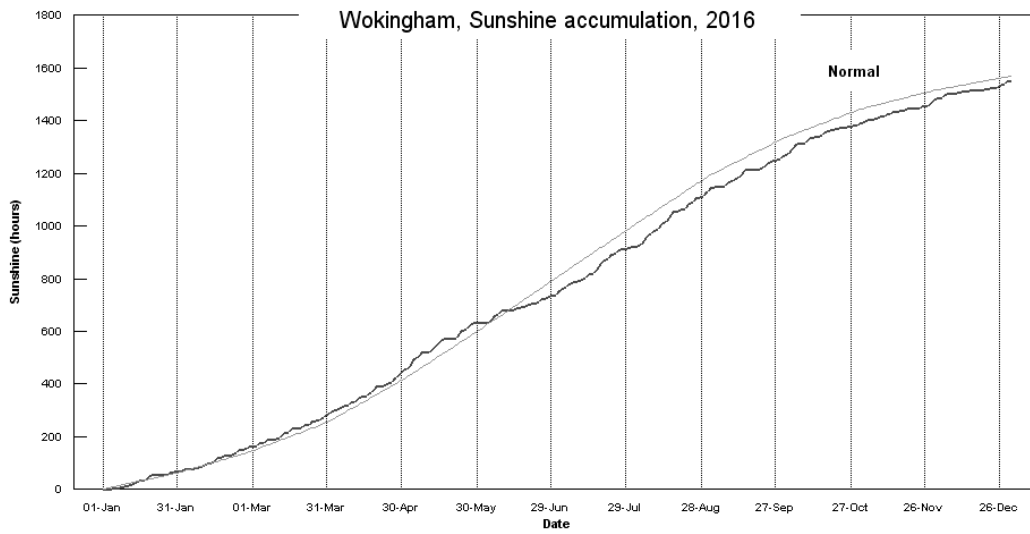
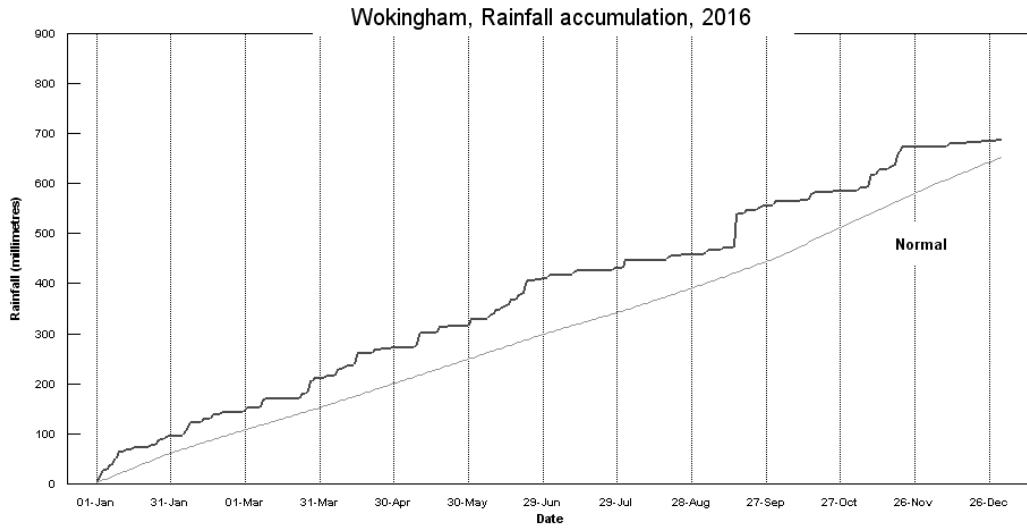
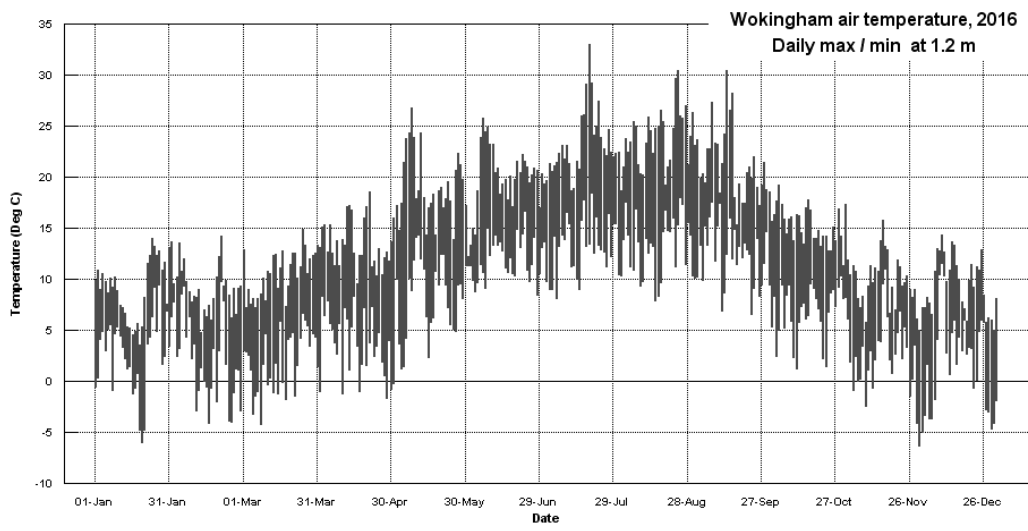
Month	Temperature Category	Rainfall Category	Sunshine Category	Index	(see note 1)
January	4 Mild	1 Very wet	4 Sunny	9	
February	3 Normal	3 Normal	4 Sunny	10	
March	3 Normal	2 Wet	3 Normal	8	
April	3 Normal	2 Wet	3 Normal	8	
May	4 Mild	3 Normal	3 Normal	10	
June	4 Mild	2 Wet	1 Very dull	7	
July	4 Mild	4 Dry	3 Normal	11	
August	5 Very mild	4 Dry	4 Sunny	13	
September	5 Very mild	2 Wet	3 Normal	10	
October	3 Normal	4 Dry	4 Sunny	11	
November	2 Cool	2 Wet	5 Very sunny	9	
December	3 Normal	5 Very dry	5 Very sunny	13	

Note 1). Index, on scale 3 to 15 between 'worst' and 'best' months.

Note 2). Definition of categories used in Tables 1 and 4 and in Appendix 2: Category 1; the value lies within the worst 10% of ranked values for all years available. Category 2; between 10% and 30% above the worst value. Category 3; within 20% of the median value. Category 4; between 10% and 30% below the best value. Category 5; within 10% of the best value. In this context, best (worst) refer to above (below) normal temperature and sunshine, but below (above) normal rainfall. For temperature and rainfall, data since 1882 are considered, and for sunshine since 1908.

Annual Summary 2016

Appendix 3	page5
	Summary of notable features during 2016.
January	Mild and very wet with above average sunshine. The highest max is 8 th highest in 113 years, Earth temperature at 1m depth is equal highest with 2007 since before 1990. Rainfall 11 th highest in 135 years, just 2 years after the wettest January on record.
February	Temperature, rainfall and sunshine above average, very windy at times. A month with an absence of very cold days. 4 th sunniest this millennium.
March	Temperature below average, rainfall and sunshine above average. Both the mean minimum and mean grass minimum are lower than in any of the preceding 3 winter months. This is the 4 th wettest March this millennium. 21mm of rain on 27 th , wettest March day since 1984.
April	Cool and wet with average sunshine. Only 2012 colder since 2000, 22.7mm of rain on 15 th wettest April day since 2000 and 5 th wettest since before 1904. Near average sunshine, 8 th sunniest this millennium.
May	Temperature and rainfall above average, sunshine near normal. Mean temperature highest since 2008. Highest min 10 th highest in 104 years.
June	Wet and exceptionally dull with mean temperature above average. Mean minimum 2 nd highest in 135 years. Highest min 9 th highest in 104 years. Lowest min a new record high in 113 years. Mean grass min highest in 37 years. Rainfall 66% above average. Most thunder since 1980. Exceptionally cloudy with sunshine total lowest since before 1908.
July	Dry with above average temperature and below average sunshine. Highest max 8 th highest in 113 years. Driest since 1994.
August	A splendid summer month, warm, dry and sunny. Mean temperature 10 th highest in 135 years, mean minimum 8 th highest in same period. Lowest max, highest and lowest min all in the top 10% of their ranked values in past 104 years.
September	Wet and very warm with below average sunshine. Mean temperature 4 th highest in 135 years, mean minimum 2 nd highest in same period. Highest max 4 th highest in 113 years, with 30° exceeded for only the 5 th time since 1904. Highest min is 5 th highest in 104 years. Earth temperatures are at a new record high. Highest daily rainfall of 66.8 mm on the 15 th is 2 nd highest for any month since before 1904. Rainfall rate exceeded 500 mm/hr, with 34.6 mm in 20 minutes.
October	Dry and sunny with mean temperature below average. Only 3 Octobers have been colder this millennium. Highest min 4 th lowest in 104 years and lowest since 1974. Driest since 1995. Mean wind speed 2 nd lowest after 2007 since before 1988.
November	Cold, wet but very sunny. 2 nd coldest after 2010 since 1996. Mean grass min lowest since 1998. Sunniest since 2007.
December	Very dry and sunny with temperature above average. Lowest max 6 th highest in 104 years. Driest since 1988 and before that 1933. 9 more dry days than average, equal highest with 2008 since 1991. Rainfall on the month's wettest day lowest since 1991. Mean wind speed and highest gust lowest since before 1987. Mean air pressure highest since 1991, and both the absolute highest and lowest are new record highs for the past 41 years. Most fog since 1962.
Year	<p>Temperature: The mean this year is slightly lower than in the previous 2 years. However, it is close to the average for the past 30 years. In this millennium, 9 years have been warmer, 6 colder and 1 the same as this year. Compared with the long-term median, the average max, min and daily mean for the past 30 years have anomalies of +1.0°, +0.8° and +0.9° respectively. Also, there is no year before 1989 in the top 16 mildest years in the 135 year series. Both these statistics emphasise how the ongoing climatic change is affecting us locally. Compared with 2006, the warmest year in the series, this year's mean is 0.7° lower. The highest max is 2.7° above the median and the lowest max is 4.0° above its median and is 2nd highest after 2014 in 104 years. The highest min is 1.1° above the median and the lowest min is 1.4° above its median. There were 2 more days with air frost than average, but the duration of frost is only 92 % of average. March, April, October and November all had negative mean temperature anomalies, with November the coldest at 1.4° below average. At the other extreme September stands out with an anomaly of +2.4°.</p> <p>Rainfall: The total this year is a little above average and we had more rain than in 2015 but less than in 2014. Compared with the long-term, this year there was 48 mm more rain than the 135 year median. A notable feature was the exceptionally high daily total of 66.8 mm in September, the second wettest day on record after 71.6 mm in September 1980. During this year's near record event, the rainfall rate briefly exceeded 500 mm/hr, and there was local flooding. Other daily falls over 60 mm occurred in 1992 and 2011. Only 4 days with snow this year, well down on average and 6th lowest in 109 years, and none with snow lying, along with 9 other years in the past 41. Thunder frequency was about normal, but there was more hail than average. The number of days with fog is most since 2000. Estimated soil moisture deficit reached a maximum value of 161 mm in mid September, 54 mm below average. A index of severe stress for unirrigated shallow rooted plants was 3 in spring and 365 in summer, compared with average values of 66 and 638 respectively.</p> <p>Sunshine: This year's total is lowest since 2013, but is only 14 hours below average. A sunny August made up for the duller June for over 40 years, its daily mean of 3.49 hours is less than the average for any month from March to October inclusive. The 13 day period to the 8th May was quite sunny with a daily mean of 9.1 hours, likewise the 5 days to 9th August had a daily mean of 10.2 hours. At the other extreme, the 6 days to the 4th June and the 5 days to the 19th December both had a total of only 0.3 hours.</p> <p>Wind: The mean speed is 0.4 mph below average and is lowest since 2010, but is within 1 standard deviation of the average. The year's windiest day on the 8th February and the highest gust on the 6th February are both close to average. The duration of calm, 149 hours in total, is 7 hours above normal. The total run of wind was 91,072 km, a mean of 249 km/day. Compared with average SW winds were 1.9 %, and NE winds 1.4 %, more frequent, while winds from SE and S combined were 2.6 % less frequent.</p> <p>Humidity: The overall mean relative humidity was 81.0 %, and the lowest value was 21 % on the 5th May. The mean water vapour content per kg of air was 6.8 g at both 0900 and 1500 GMT.</p> <p>Pressure: The mean is slightly above average. The highest value, 1045.6 mbar, is highest since 1992. The total span of pressure, 75.2 mbar, is 5.5 mbar above average, and most since 2010.</p> <p>B.J.Burton. F.R.Met.S.</p> <p style="text-align: right;">6th January 2017.</p>



Appendix 4.

Summary of observations at 0900 GMT

Month	Monthly means								Visibility statistics						
	Vis	Cld	TT	Td	RH	WS	WG	pp	TF	FO	VP	PO	MO	GO	EX
January	16.2	74	6.7	5.2	90	6.7	13	1008.1	0	1	4	8	10	5	3
February	21.2	75	5.1	2.3	83	7.6	15	1010.2	0	0	0	8	9	10	2
March	16.9	71	5.9	2.8	81	6.9	14	1014.9	2	0	3	11	6	7	2
April	28.4	69	9.3	3.8	69	6.8	13	1012.8	0	0	0	6	8	9	7
May	21.2	75	14.1	8.6	71	6.2	13	1014.9	0	0	2	7	9	10	3
June	21.9	84	16.1	12.1	78	5.5	11	1014.5	0	0	1	6	10	10	3
July	38.6	74	18.5	13.0	71	6.3	13	1017.2	0	0	0	3	5	10	13
August	31.3	71	18.7	13.2	71	6.3	12	1018.7	0	0	0	3	6	18	4
September	21.6	75	17.2	13.7	81	5.8	12	1017.3	0	0	0	6	13	9	2
October	15.5	77	10.8	9.2	90	4.4	10	1022.1	0	2	5	7	11	2	4
November	16.9	68	5.6	4.3	91	5.4	11	1015.0	0	1	4	10	7	6	2
December	7.8	77	4.9	4.2	95	3.9	8	1028.2	4	3	6	10	6	2	0
Year	21.5	74	11.0	7.6	81	6.0	12	1016.2	6	7	25	85	100	98	45

Summary of observations at 1500 GMT

Month	Monthly means								Visibility statistics						
	Vis	Cld	TT	Td	RH	WS	WG	pp	TF	FO	VP	PO	MO	GO	EX
January	22.4	75	8.3	4.4	78	8.1	17	1007.4	0	0	1	6	11	9	4
February	32.7	74	8.1	1.6	65	9.8	21	1009.7	0	0	1	3	5	14	6
March	26.3	76	9.4	2.6	64	8.4	18	1014.0	0	0	0	8	9	5	9
April	34.2	75	12.0	2.5	55	7.3	18	1011.7	0	0	0	4	7	9	10
May	32.7	77	17.5	7.7	56	7.3	16	1013.7	0	0	1	2	6	13	9
June	28.8	82	19.1	12.8	68	7.1	15	1013.7	0	0	0	2	12	10	6
July	45.7	73	21.7	12.7	48	7.7	17	1016.6	0	0	1	0	3	9	18
August	37.9	61	22.9	12.3	53	7.6	16	1017.6	0	0	0	2	5	14	10
September	34.9	75	20.4	12.9	64	7.2	15	1016.4	0	0	0	1	6	14	9
October	27.9	72	14.1	8.6	70	5.8	14	1021.1	0	0	2	4	6	14	5
November	29.5	74	8.8	4.7	76	6.0	15	1014.6	0	0	1	3	7	12	7
December	14.3	76	8.5	6.0	85	5.4	11	1027.0	1	2	1	10	11	6	0
Year	30.6	74	14.3	7.0	66	7.3	16	1015.3	1	2	8	45	88	129	93

Legend: Vis = visibility in km. Cld = cloud amount %. TT = air temperature, deg C. Td = Dew point, deg C.
 RH = relative humidity %. WS = wind speed at 10 metres, knots. WG = Highest gust in past hour, knots.
 pp = Air pressure at MSL, mbar. TF = thick fog, <210 m. FO = fog, 210 to 900 m. VP = very poor, 1 to 4 km
 PO = poor, 4.1 to 10 km. MO = moderate, 11 to 20 km. GO = good, 21 to 40 km. EX = excellent, >40 km.

Summary of monthly climatic data.

Year 2016

Month	Max	Min	Mean	Anom	Rain	Grass	30cm	100cm	Sun	Frost	pp09	Af	Sf	Th	Ic	Rain							
	C	C	C	C	mm	min	C	C	hrs	hrs	mbar	Gf	Sl	Ha	Ic	Fg	ddd	ff	sp	hrs			
January	9.1	2.5	5.8	+1.0	97.7	-0.9	6.9	9.4	69.7	58.7	1008.1	7	18	1	0	1	0	3	1	208	5.1	7.2	85.9
February	9.2	2.0	5.6	+0.7	48.3	-1.3	6.6	8.3	93.9	65.9	1010.2	11	18	0	0	0	0	0	0	236	3.9	7.6	55.3
March	10.6	1.8	6.2	-1.0	66.7	-1.5	7.0	7.7	122.8	46.7	1014.9	10	18	3	0	1	2	4	2	268	1.4	6.4	47.9
April	13.5	3.6	8.5	-0.7	61.3	-0.3	10.1	9.5	160.7	19.2	1012.8	5	17	0	0	1	1	4	0	247	1.8	5.7	48.0
May	18.8	8.0	13.4	+0.9	57.8	4.8	14.4	12.2	187.7	1.3	1014.9	1	6	0	0	0	0	1	0	339	0.7	5.4	33.3
June	20.2	11.8	16.0	+0.5	81.7	9.6	17.7	15.3	104.8	0.0	1014.5	0	0	0	0	6	0	0	0	246	1.8	5.2	39.5
July	23.2	13.0	18.1	+0.4	19.5	10.0	19.6	17.3	183.6	0.0	1017.2	0	0	0	0	1	1	0	0	235	4.5	5.8	7.7
August	23.9	13.1	18.5	+1.0	28.2	9.8	19.5	18.1	212.8	0.0	1018.7	0	0	0	0	1	0	0	0	235	3.3	5.5	20.2
September	21.3	12.2	16.8	+2.1	98.3	9.3	17.9	17.6	130.5	0.0	1017.3	0	0	0	0	2	1	0	0	213	3.4	5.2	35.2
October	15.3	6.6	10.9	-0.3	27.7	1.7	13.5	15.0	124.4	0.0	1022.1	0	9	0	0	1	0	0	2	16	0.7	3.8	18.5
November	9.8	2.3	6.1	-1.4	88.9	-0.9	9.2	11.8	90.5	54.2	1015.0	7	19	0	0	0	0	0	1	275	0.9	5.1	56.3
December	9.6	1.8	5.7	+0.7	12.3	-1.6	6.7	9.1	70.3	105.0	1028.2	11	22	0	0	0	0	0	7	203	2.6	4.3	12.8
Year	15.4	6.6	11.0	+0.3	688.4	3.2	12.4	12.6	1551.7	351.0	1016.2	52	127	4	0	14	5	12	13	231	2.2	5.6	460.6

Legend: Max/min/mean = Monthly mean of daily maximum/minimum/mean air temperature at 1.2 metres.
 Anom = Departure of mean temperature from climatic mean. Rain = monthly rainfall total.
 Grass min = Mean grass minimum temperature. 30cm/100cm = Mean earth temperature at 30 and 100 cm depth.
 Sun hrs = Hours of bright sunshine. Frost hrs = hours with air temperature below zero C. pp09 = Air pressure msl at 09 gmt.
 Days with: Af = air frost. Gf = ground frost. Sf = snow falling. Sl = snow lying. Th = thunder. Ha = hail >5mm. Ic = small hail or ice.
 Fg = Fog at 09 gmt. ddd ff = mean wind vector, degrees from true north, speed in knots. sp = mean scalar wind speed knots.
 Rain hrs = duration of measurable rain (excludes snowfall).

Appendix 5.

Wokingham annual climatic data for recent years.

Year	Mean max	Mean min	Mean	Anom	Hi max	Lo min	Rain mm	Grass min	30 cm 100 cm	Sun hrs	Frost hrs	pp09	Af	Sf Gf	Th Sl	Ic Ha	Fg	ddd	ff	sp				
2005	15.4	6.7	11.1	+0.8	31.1	-6.9	492	3.5	12.0	12.2	1610	388	1018.0	55	115	23	4	14	2	12	10	246	1.8	5.2
2006	15.9	7.6	11.7	+1.4	35.8	-6.7	665	4.7	12.2	12.3	1648	377	1016.0	45	82	17	1	20	4	12	10	232	2.2	5.8
2007	15.6	6.9	11.2	+0.9	28.4	-7.1	745	3.8	12.3	12.7	1684	295	1017.2	41	100	9	3	13	3	5	3	248	2.3	5.7
2008	15.1	6.5	10.8	+0.5	28.7	-7.0	717	3.5	11.9	12.2	1582	304	1014.8	46	114	12	2	22	5	18	7	236	2.6	6.1
2009	15.3	6.5	10.9	+0.6	31.0	-8.6	643	3.3	11.8	11.9	1677	455	1014.2	54	101	19	17	14	0	8	7	241	0.5	5.6
2010	14.2	5.3	9.7	-0.6	30.0	-11.5	536	2.2	11.1	11.6	1557	821	1014.5	81	142	37	25	8	1	11	12	267	1.0	5.3
2011	15.9	7.0	11.5	+0.8	28.6	-5.6	589	3.9	12.3	12.6	1639	194	1016.6	36	96	5	0	10	0	3	8	229	2.7	5.8
2012	14.8	6.1	10.5	-0.2	29.6	-11.4	807	3.0	11.7	12.0	1564	475	1015.3	57	125	12	6	9	3	6	12	235	2.5	5.8
2013	14.6	6.0	10.3	-0.4	32.9	-6.8	604	2.8	11.6	11.7	1523	445	1015.6	66	133	33	11	9	0	14	7	244	1.4	6.0
2014	16.0	7.1	11.6	+0.9	29.2	-6.5	883	4.0	12.9	12.8	1666	195	1012.8	33	99	0	0	23	3	15	6	221	2.7	5.7
2015	15.5	6.7	11.1	+0.4	33.9	-7.2	547	3.5	12.3	12.2	1598	202	1017.4	38	107	12	2	6	3	8	4	230	3.2	6.3
2016	15.4	6.6	11.0	+0.3	33.0	-6.4	688	3.2	12.4	12.6	1552	351	1016.2	52	127	4	0	14	5	12	13	231	2.2	5.6

Legend : See appendix 4.

Note: Anom is difference from the current 30 year average, up to 2010, this is 1971 to 2000, after 2010, 1981 to 2010

Wokingham area decadal annual means for the last century

See note1 below

Decade Ending	Mean max	Mean min	Mean	Anom	Mean rain	Anom	Mean sun	Anom
1900	14.0	5.3	9.7	-1.0	600	-51	xx	
1910	13.7	5.4	9.5	-1.2	631	-20	xx	
1920	14.0	5.6	9.8	-0.9	700	+49	1588	+21
1930	14.2	5.4	9.8	-0.9	636	-15	1599	+32
1940	14.4	5.7	10.0	-0.7	641	-10	1527	-40
1950	14.6	5.8	10.2	-0.5	616	-35	1572	+5
1960	14.1	5.8	10.0	-0.7	678	+27	1500	-67
1970	13.8	5.8	9.8	-0.9	686	+35	1487	-80
1980	14.1	5.8	9.9	-0.8	655	+4	1538	-29
1990	14.4	6.1	10.3	-0.4	639	-12	1554	-13
2000	14.9	6.6	10.8	+0.1	660	+9	1569	+2
2010	15.3	6.7	11.0	+0.3	654	+3	1611	+44

Anom = difference from current 1981 to 2010 climatological average.

Temperatures in degrees C, Rainfall in mm, Sunshine in hours.

Extreme values from the Wokingham climatological series.

Highest annual mean maximum	16.1	in 2003
Lowest annual mean maximum	12.4	in 1888
Highest annual mean minimum	7.6	in 2006
Lowest annual mean minimum	3.9	in 1887
Highest annual mean temperature	11.7	in 2006
Lowest annual mean temperature	8.4	in 1887
Highest recorded temperature	36.9	on 10th August 2003
Lowest recorded temperature	-15.3	on 14th January 1982
Wettest year	952 mm	in 1903
Driest year	337 mm	in 1921
Highest daily rainfall	71.6 mm	on 20th September 1980
Sunniest year	2003 with 1906 hours	
Dullest year	1958 with 1274 hours	
Most days with snow falling	40	in 1917
Most days with snow lying	53	in 1963

Top ten since 1882

Warmest		Coldest		Wettest		Driest		Sunniest		Dullest		
Year	Deg C	Year	Deg C	Year	mm	Year	mm	Year	Mean	Year	Mean	
1	2006	11.7	1887	8.4	1903	952	1921	337	2003	5.2	1958	3.5
2	2014	11.6	1888	8.5	1951	887	1990	459	1990	5.1	1932	3.7
3	2011	11.5	1892	8.5	2014	883	1902	477	1989	5.1	1968	3.7
4	2002	11.4	1891	8.7	2000	872	1887	487	1911	5.1	1981	3.7
5	1999	11.3	1963	8.7	1960	857	1947	491	1949	5.0	1912	3.8
6	1990	11.3	1885	8.8	2002	853	2005	492	1929	5.0	1931	3.8
7	1989	11.3	1919	8.8	1916	842	1996	508	1921	5.0	1936	3.8
8	2007	11.2	1886	8.9	1974	837	1933	509	1959	4.9	1960	3.8
9	2004	11.2	1917	8.9	1915	815	1898	510	1933	4.9	1966	3.8
10	2003	11.2	1962	8.9	1927	814	1938	511	1995	4.8	1993	3.8

Note1. Decadal means for the past century. The original data prior to 1970 have been updated, resulting in some slight changes in the decadal temperature means from data published in Annual Summaries up to and including 2014.

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