

WOKINGHAM METEOROLOGICAL DATA

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

Altitude 45 m ASL.

Emmbrook,

Wokingham,

Berkshire.

Annual

Summary

2018

Temperature

	°C	°F	Anom	Rank in 136 years
Mean maximum	16.3	61.3	(+1.4)	* New Highest *
Mean minimum	6.9	44.4	(+0.4)	11th highest
Daily mean	11.6	52.9	(+0.9)	2nd highest
Highest maximum	34.1	93.4		on 26th July
Lowest maximum	-0.9	30.4		on 1st March
Highest minimum	17.5	63.5		on 27th July
Lowest minimum	-8.3	17.1		on 28th February
Mean grass minimum	3.5	38.3	(+0.1)	
Lowest grass minimum	-12.6	9.3		on 28th February
Mean 30cm earth temp.	12.5	54.5	(+0.7)	
Highest 30cm	22.5	72.5		on 27th July
Lowest 30cm	3.0	37.4		on 2nd March
Mean 100cm earth temp	12.5	54.5		
Highest 100cm	19.8	67.6		on 10th August
Lowest 100cm	5.7	42.3		on 6th March
Warmest month	July,		daily mean 21.0°C,	69.8°F
Coollest month	February,		daily mean 3.2°C,	37.8°F

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

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

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	99	88
-10.0 to -5.1	0	2	15.0 to 19.9	57	22
-5.0 to -0.1	1	38	20.0 to 24.9	74	0
0.0 to 4.9	12	92	25.0 to 29.9	40	0
5.0 to 9.9	68	123	30.0 to 34.9	14	0
			35.0 to 39.9	0	0

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

	Jan	Feb	Mar	Apr	May	Jun	
Air frost	5 (-5)	17 (+7)	8 (+2)	0 (-4)	0 (-1)	0 (0)	
Ground frost	13 (-5)	23 (+6)	18 (+2)	4 (-10)	7 (+2)	0 (-1)	
	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Air frost	0 (0)	0 (0)	0 (0)	2 (0)	4 (-2)	4 (-7)	40 (-9)
Ground frost	0 (0)	0 (0)	7 (+5)	12 (+5)	10 (-3)	12 (-4)	106 (-2)

Date of: last spring air frost, 29th March ground frost, 19th May
 first autumn air frost, 29th October ground frost, 13th September
 Frost free period, air 213 days, (+23) ground 116 days, (-6).
 Annual total of air frost duration: 322.1 hours (-55.9)
 Frostiest month February. 151.0 hours

[Difference from 1981-2010 average in brackets]

Temperature anomaly in deg C

Rainfall.

Total **606.3** mm 23.87 inches (93 %) 50th lowest in 137 years

Number of : Rain days 147 (-13) Wet days 112 (-1) Days => 5mm 41 (-4)

A rain day has at least 0.2 mm

A wet day has at least 1.0 mm

Highest daily fall to 9am: 24.4 mm on 14th October

Wettest month, March 93.2 mm 204 % of average
Driest month, June 0.6 mm 1 % of average

Duration of measurable rainfall; 563.5 hours Longest in a day; 17.9 hours on 14th October
Highest monthly duration; 114.2 hours in March Lowest ; 2.0 hours in June

Number of dry spells, (5 or more consecutive dry days): 15
Longest dry spell; 33 days, 17th June to 19th July
Total number of : Dry days, 218 (+13) Days in dry spells, 132

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

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

(See note 2, page 4)

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

Rate mm/hr	Days	Rate mm/hr	Days
<10	98	50 to 100	10
10 to 25	23	100 to 250	2
25 to 50	11	>250	0
		Missing *	4
Highest rate	169 mm/hr on 2nd January		

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

Hours	Days	Hours	Days	Hours	Days
0	197	6.1 to 9.0	21	18.1 to 21.0	0
0.1 to 1.0	56	9.1 to 12.0	7	21.1 to 24.0	0
1.1 to 3.0	49	12.1 to 15.0	4	Missing *	0
3.1 to 6.0	29	15.1 to 18.0	2	*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	218	10.0 to 19.9	13
0.2 to 0.9	35	20.0 to 29.9	2
1.0 to 4.9	71	30.0 to 39.9	0
5.0 to 9.9	26	> 39.9	0

Sunshine.

(Recorded on an electronic sunshine detector)

Total **1915.7** hours Daily mean **5.25** hours (119 %)

Sunniest day 15.8 hours on the 24th June
Number of days: Nil sun 54 (-3) =>12 hrs 44 (+24)

Weather.

Number of days with:

Snow or sleet falling; 15 (+1)
Snow lying at 0900 GMT; 6 (0)
Thunder heard; 9 (-7)
Hail; 10 (-2; =>5mm; 0 (-3) <5mm, 10 (+1)
Fog at 0900 GMT; 2 (-9)

Air Pressure,

corrected to MSL.

Mean at 0900 GMT **1015.4** mbar (-0.6)
Absolute highest 1040.1 mbar on 24th September
Absolute lowest 984.3 mbar on 12th March
Span 55.8 mbar (-13.9)

[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	8.8	17.5	3rd	63	3/0241	5.4
February	7.5	11.9	11th	40	28/1614	4.3
March	7.7	14.5	1st	45	1/2357	3.9
April	7.1	11.4	4th	37	25/1856	2.6
May	5.3	9.8	2nd	35	1/1422	16.0
June	6.1	9.8	14th	30	14/1142	7.1
July	5.5	12.1	28th	37	28/1540	9.0
August	5.9	10.3	24th	33	24/2258	12.0
September	6.5	14.1	20th	50	21/0041	20.1
October	5.9	14.6	12th	43	12/1729	10.9
November	6.8	13.0	29th	45	29/1029	4.3
December	7.3	15.3	8th	41	8/0550	11.1
Year	6.7	17.5	3rd January	63	3rd January	106.7

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	15	44	53	23	37	27	33	169	220	89	13	21
February	44	121	120	7	5	21	65	102	52	41	45	49
March	30	81	138	35	43	58	83	109	69	53	27	18
April	59	107	51	37	32	37	101	129	91	34	17	25
May	82	224	94	24	6	21	47	76	80	37	24	29
June	54	244	78	24	4	2	9	118	98	51	14	24
July	46	84	71	26	7	10	71	190	121	53	27	38
August	31	20	12	4	3	9	82	195	204	117	36	31
September	48	64	19	7	4	15	51	232	158	59	21	42
October	81	116	21	25	15	19	84	130	81	65	74	33
November	10	74	139	60	43	64	141	119	42	11	8	9
December	12	13	37	45	40	35	94	164	196	76	21	11
Year	512	1192	833	317	239	318	861	1733	1412	686	327	330

Appendix 1.

Monthly statistics from the electronic sunshine detector, 2018.

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	69.1	7.3 on 17th	10	11	6	4	0	0
February	127.0	10.2 on 25th	3	6	9	7	3	0
March	74.4	9.8 on 21st	8	14	5	3	1	0
April	119.3	13.7 on 19th	8	10	2	4	3	3
May	265.4	15.3 on 14th	2	5	3	6	4	11
June	251.8	15.8 on 24th	0	4	8	6	1	11
July	296.1	15.7 on 2nd	1	2	6	3	8	11
August	196.1	14.8 on 5th	2	8	7	6	2	6
September	198.3	12.5 on 2nd	1	5	7	7	8	2
October	152.0	10.6 on 9th	4	8	7	4	8	0
November	97.8	8.6 on 2nd	6	11	5	8	0	0
December	68.4	7.1 on 13th	9	11	8	3	0	0
Year	1915.7	15.8	54	95	73	61	38	44

Appendix 2.

Monthly categories, quick look table, 2018.

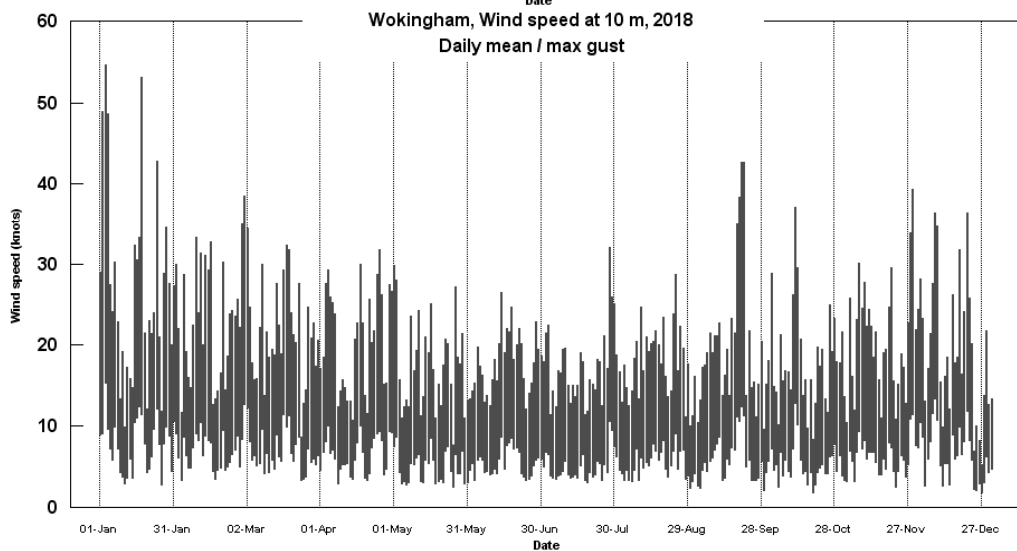
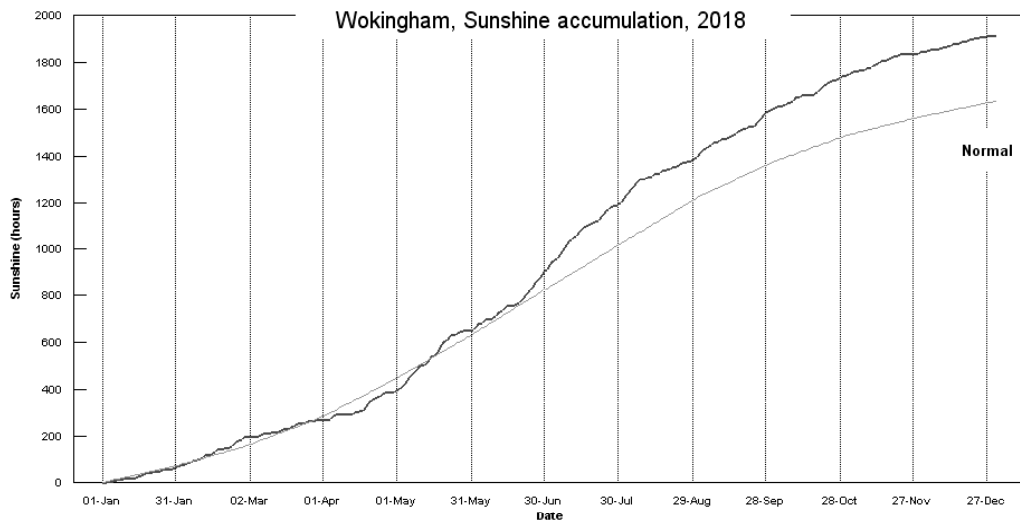
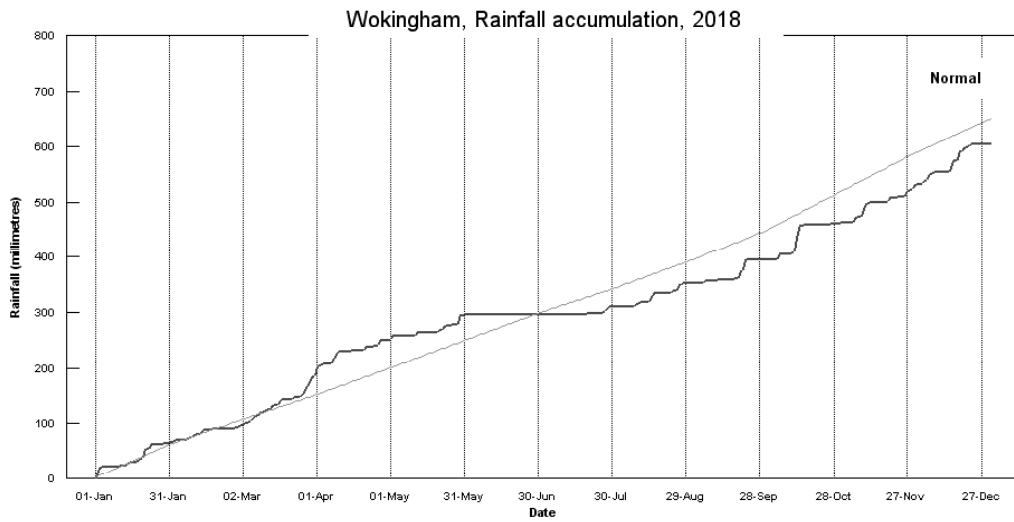
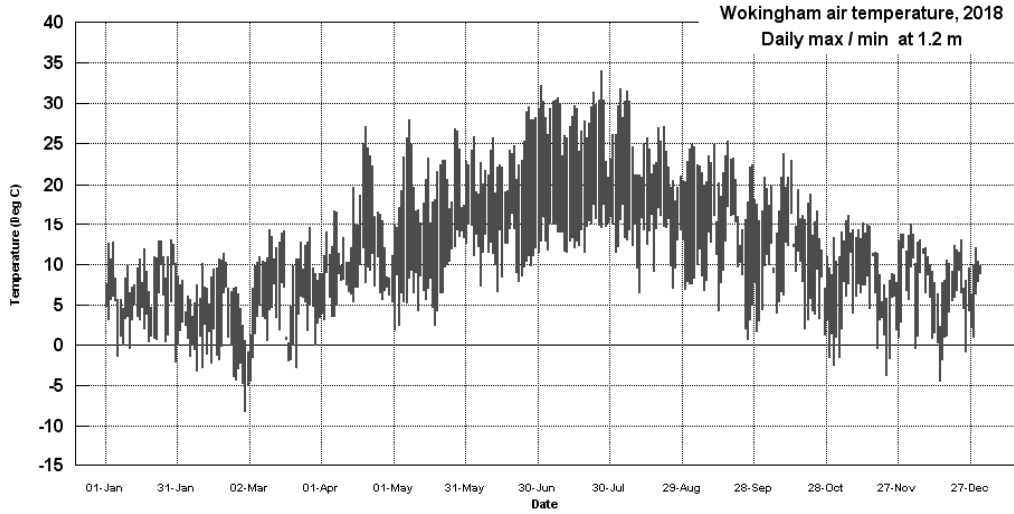
Month	Temperature Category	Rainfall Category	Sunshine Category	Index	(see note 1)
January	4 Mild	3 Normal	4 Sunny	11	
February	2 Cool	3 Normal	5 Very sunny	10	
March	3 Normal	1 Very wet	2 Dull	6	
April	5 Very mild	2 Wet	2 Dull	9	
May	5 Very mild	3 Normal	5 Very sunny	13	
June	5 Very mild	5 Very dry	4 Sunny	14	
July	5 Very mild	5 Very dry	5 Very sunny	15	
August	5 Very mild	3 Normal	3 Normal	11	
September	3 Normal	3 Normal	5 Very sunny	11	
October	4 Mild	3 Normal	5 Very sunny	12	
November	4 Mild	3 Normal	5 Very sunny	12	
December	5 Very mild	2 Wet	5 Very sunny	12	

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 2018

Appendix 3	page5
	Summary of notable features during 2018.
January	Mild with rainfall above and sunshine near average. 4 th mildest this millennium and mildest since 2008. Lowest min highest in 115 years. Grass min highest since 2008. 6 fewer frosts than average. Quite windy, mean speed highest for the month since 2008, and a gust of 63 mph highest for the month since 2007.
February	Cold and very sunny with below average rainfall. Coldest Feb since 1996. Mean grass min lowest since 1991. 7 more frosts than average. Duration of air frost 2 nd highest since 1996. One of the sunniest Februaries in the past century, and only 2008 has been sunnier this millennium.
March	Very wet, dull, below average temperature with two very cold spells. 3 rd coldest March in the past 20 years. The lowest max of -0.9° is the lowest for any March in over 100 years. Wettest since 2001 and before that 1981 with over twice the average. Rain duration most for any March in the past 25 years. Snow fell on the 1 st to 3 rd , and 17 th to 20 th , with a snow depth of 7 cm on the 18 th /19 th , making it the snowiest March since before 1977. One of the dullest Marches this millennium.
April	Wet, dull and very mild with a record breaking hot spell. Daily mean temperature 4 th highest in 137 years and the mean min is a new high record. The highest max of 27.2° is a new April record, also the lowest min is a new record high, as is the mean grass min. Rainfall 33% above average and duration 180% of average. Dullest since 2001. Number of sunless days highest in the past 40 years.
May	Very warm, very sunny with rainfall below average. Mean max 3 rd highest and daily mean 5 th highest in the past 137 years. Lowest max 4 th highest in 106 years. Most of the rain fell after the 20 th . Sunshine in the top 10 sunniest in the past 100 years. Mean wind speed 2 nd lowest for May since before 1988
June	Exceptionally dry, very warm, sunny. 3 rd warmest June in 137 years. Mean maximum highest since 1976. Lowest max is highest in the past 106 years. Total rainfall only 0.6 mm making it the driest June since 1925, and since 1882 only 2 months of any name have been drier. The number of dry days highest for June since 1925.
July	Record breaking warmth with many hot days. Very dry and very sunny. This has been the hottest July on record and also the hottest month of any name in the past 137 years. The highest max is 2 nd highest in 115 years. The lowest max is 3 rd highest in 106 years. The lowest min is a new record high. Mean 30cm earth temperature equal highest with 1983 since before 1980. No rain fell before the 20 th ending a 33 day dry spell, and the month's total is lowest for July since 1994. 2 nd sunniest July this millennium.
August	Very warm with rainfall below and sunshine near average. 4 th warmest August this millennium, but the mean max is 2 nd highest. After a very dry June and July, this month saw some welcome rainfall, though the total fell 13% short of the average.
September	Very sunny with below average rainfall and average mean temperature. The lowest max is lowest since 1994, and the lowest min is lowest since 1959. The lowest grass min is lowest in the past 39 years. Most ground frosts since 1986. A predominantly dry month, only 8 days with measurable rain. Sunniest since 2003. Gust of 50 mph is 2 nd highest for the month since before 1988.
October	Very sunny with temperature and rainfall near average. The highest max ranks 10 th highest in 115 years while the lowest max is 10 th lowest in 106 years. The highest min is a new record high. Despite rainfall falling 6% short of average, it was the wettest October since 2014. Only 3 days had significant rainfall, but the 48 hour total on the 13 th /14 th , 47.2 mm, is 2 nd highest for the month since before 1976. There were plenty of sunny days, with the period 18 th to 24 th notable in this respect.
November	Temperature above, rainfall near and sunshine well above average. Mean temperature just over half a degree above average. Dry at first, but rain on many days after the 5 th . Sunshine in the top 10 sunniest in the past century.
December	Very mild with rainfall above and sunshine near average. Mean temperature 10 th highest in 137 years. Highest max 5 th highest in 115 years. 6 fewer air frosts than average. 1 st month since April to have more than average rainfall.
Year	<p>Temperature: Yet another very mild year, the mean temperature ranking 2nd highest in 137 years, only 0.1° below the record set in 2006. The mean maximum, however, is a new record high, 0.2° above the previous highest in 2003. The influence of the warming climate is much in evidence, with 9 years in this millennium in the top 10% of ranked temperatures since 1882. The highest max is 3.7° above the median and is 6th highest in 115 years. The lowest max is 0.5° below the median, and the highest min is 0.3° above the median, while the lowest min is 0.5° below its median. Mean earth temperature at 30 cm and 1 m depth are above average and a maximum value of 19.8° at 1 m is a new record high. Most months this year were in the mild or very mild category except February (cold) and March and September (normal). The number of air frosts lowest since 2015. The air frost-free period was 23 days longer than average, but for ground frosts it was 6 days shorter. Rainfall: This year has been 7% drier than average, but is driest only since 2015 and 6 of the past 20 years have been drier. The highest daily fall is lowest since 2005. March was very wet. April and December were wet, but June and July were very dry, with a 33 day dry spell up to the 19th July, and a total of only 1.0 mm in the 56 days to the 26th July. There was severe stress for unirrigated shallow rooted plants, continuously between the 19th June and 17th September. An index of plant stress for the summer season this year gave a value of 1077, which is highest since 1995, the average being about 650. The duration of measurable rain was 48.3 hours or 9% above average. The highest rainfall rate was 169 mm/hr on the 2nd January. Thunder was heard on 6 fewer days than average. Hail of 5 mm diameter or more was not seen this year compared with an average of 3 days. Small hail and other types of ice meteors was recorded on 10 days, one more than average. Snow fell on an exactly average 15 days, and the 6 days with snow lying at 0900 GMT is also average. The maximum depth of lying snow was 7 cm on the 18th/19th March. Sunshine: The total this year is the highest on record, exceeding the previous highest in 2003 by 10 hours. It should be noted that the introduction of an electronic sunshine recorder in the late 20th century makes longer term comparison unreliable. Nevertheless, this year's total is 19% above the average for the past 20 years. July was the sunniest month, daily mean 9.55 hours, and December the least sunny, 2.21 hours, though January was close with 2.23 hours. Overall there were 149 days with <3 hours, 143 with =>6 hours, 82 with =>9 hours, 44 with =>12 hours and 12 with =>15 hours. Wind: The mean speed is close to average. Compared with average, winds from NE were 5.3% more frequent and those from S 2.2% more frequent while those from W and NW combined were 5.9% less frequent, and from E, 2.2% less frequent. Humidity: The overall mean relative humidity was 77.9% and the lowest value was 20%. The mean water vapour content per kg of air was 6.8g at 0900 and 6.6 g at 1500 GMT.</p> <p>B.J.Burton. F.R.Met.S. 6th January 2019</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	18.0	73	5.6	3.4	87	6.8	15	1011.2	0	0	6	7	8	7	3
February	22.3	54	2.3	-0.3	83	6.4	13	1017.9	0	0	3	7	8	6	4
March	13.1	85	5.6	3.3	86	7.0	14	1002.0	0	0	7	9	10	4	1
April	19.1	74	11.2	7.1	77	6.6	13	1011.1	0	0	5	7	10	5	3
May	20.0	56	15.2	9.2	69	5.5	12	1018.5	0	0	3	10	8	7	3
June	28.8	68	17.3	10.8	67	5.6	12	1020.1	0	0	1	3	7	13	6
July	32.1	56	21.9	12.7	57	4.7	11	1017.0	0	0	0	2	9	10	10
August	34.3	74	18.7	12.4	68	5.4	11	1017.5	0	0	1	0	6	16	8
September	28.5	61	14.9	10.4	75	6.0	12	1021.9	0	0	1	1	8	15	5
October	22.2	67	10.8	8.6	87	5.4	12	1019.0	0	0	5	5	9	9	3
November	13.8	71	8.2	6.9	92	5.9	12	1012.3	0	1	6	7	10	5	1
December	16.4	76	6.9	5.7	92	6.5	13	1017.1	1	0	5	9	7	8	1
Year	22.4	69	11.6	7.6	78	6.0	12	1015.4	1	1	43	67	100	105	48

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	23.7	74	7.6	3.9	78	8.4	19	1010.6	0	0	2	4	9	13	3
February	24.4	71	5.5	-0.5	66	8.4	19	1016.9	0	0	3	4	9	6	6
March	24.2	81	8.1	2.5	70	8.0	18	1001.4	0	0	3	4	7	13	4
April	25.9	83	13.9	7.0	67	7.5	16	1010.0	0	0	5	2	7	10	6
May	24.0	58	19.0	9.0	56	6.6	14	1017.1	0	0	1	6	9	12	3
June	39.7	58	22.6	10.7	49	6.7	15	1018.7	0	0	0	1	3	12	14
July	37.6	63	26.5	11.2	40	6.8	16	1015.6	0	0	0	0	4	17	10
August	43.7	69	23.0	11.2	49	7.2	15	1016.0	0	0	0	1	0	13	17
September	40.8	63	19.6	8.4	50	8.3	18	1020.5	0	0	0	1	2	13	14
October	33.6	62	14.8	8.6	68	7.3	16	1017.6	0	0	1	1	5	16	8
November	22.8	63	10.3	6.6	78	7.4	17	1011.5	0	0	2	6	7	12	3
December	21.5	81	8.9	6.3	84	7.1	15	1016.7	0	1	2	5	11	10	2
Year	30.2	69	15.0	7.1	63	7.5	16	1014.4	0	1	19	35	73	147	90

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 2018

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	9.2	3.0	6.2	+1.4	68.7	0.6	6.2	7.8	69.1	12.7	1011.2	5	13	1	0	0	1	0	230	4.6	7.6	62.3	
February	7.0	-0.5	3.2	-1.7	26.4	-4.7	5.1	6.9	127.0	151.0	1017.9	17	23	6	1	0	0	1	0	336	0.7	6.5	54.1
March	9.5	2.3	5.9	-1.3	93.2	-0.2	6.1	6.6	74.4	96.9	1002.0	8	18	7	5	0	0	5	0	108	1.1	6.7	114.2
April	15.1	7.1	11.1	+1.9	64.3	4.4	10.4	9.1	119.3	0.0	1011.1	0	4	0	0	2	0	0	208	1.7	6.2	73.5	
May	20.3	7.9	14.1	+1.6	45.6	3.9	14.5	12.3	265.4	0.0	1018.5	0	7	0	0	5	0	1	0	5	1.3	4.6	25.0
June	23.5	11.4	17.5	+2.0	0.6	7.9	18.4	15.9	251.8	0.0	1020.1	0	0	0	0	0	0	0	332	1.0	5.3	2.0	
July	28.0	14.0	21.0	+3.3	12.9	10.3	21.4	18.9	296.1	0.0	1017.0	0	0	0	0	1	0	0	220	1.5	4.8	8.6	
August	24.1	12.7	18.4	+0.9	43.6	9.1	19.7	19.2	196.1	0.0	1017.5	0	0	0	0	1	0	0	233	3.8	5.1	20.6	
September	20.5	9.0	14.7	0.0	42.2	5.2	16.6	17.0	198.3	0.0	1021.9	0	7	0	0	0	0	0	230	3.3	5.6	34.1	
October	15.9	6.8	11.4	+0.2	67.4	2.8	13.1	14.6	152.0	13.0	1019.0	2	12	0	0	0	0	1	0	260	1.2	5.1	45.7
November	11.8	4.6	8.2	+0.7	66.6	1.2	9.5	11.7	97.8	18.8	1012.3	4	10	1	0	0	0	1	1	155	2.4	5.9	62.7
December	10.2	4.3	7.3	+2.3	74.8	1.4	7.9	9.7	68.4	29.7	1017.1	4	12	0	0	0	0	1	217	4.2	6.3	60.7	
Year	16.3	6.9	11.6	+0.9	606.3	3.5	12.5	12.5	1915.7	322.1	1015.4	40	106	15	6	9	0	10	2	225	1.6	5.8	563.5

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			
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
2017	15.6	7.1	11.4	+0.7	33.4	-6.7	642	3.9	12.5	12.5	1587	331	1016.9	45	108	13	1	9	1	6	6	232	3.1	5.8
2018	16.3	6.9	11.6	+0.9	34.1	-8.3	606	3.5	12.5	12.5	1916	322	1015.4	40	106	15	6	9	0	10	2	225	1.6	5.8

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 note 1 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	16.3	in 2018
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	2018 with 1916 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	1892	8.5	1903	952	1921	337	2018	5.3	1958	3.5
2	2018	11.6	1888	8.7	1951	887	1990	459	2003	5.2	1932	3.7
3	2014	11.6	1887	8.7	2014	883	1902	477	1990	5.1	1968	3.7
4	2011	11.5	1891	8.7	2000	872	1887	487	1989	5.1	1981	3.7
5	2017	11.4	1963	8.8	1960	857	1947	491	1911	5.1	1912	3.8
6	2002	11.4	1919	8.9	2002	853	2005	492	1949	5.0	1931	3.8
7	1999	11.3	1962	8.9	1916	842	1996	508	1929	5.0	1936	3.8
8	1990	11.3	1917	9.0	1974	837	1933	509	1921	5.0	1960	3.8
9	1989	11.3	1890	9.0	1915	815	1898	510	1959	4.9	1966	3.8
10	2007	11.2	1922	9.1	1927	814	1938	511	1933	4.9	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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January 2019