

WOKINGHAM METEOROLOGICAL DATA

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

Altitude 45 m ASL. Emmbrook, Wokingham, Berkshire.

Annual Summary 2010

Temperature

	°C	°F	Anom	Rank in 129 years
Mean maximum	14.2	57.6	(-0.2)	56th highest
Mean minimum	5.3	41.5	(-0.9)	36th lowest
Daily mean	9.7	49.5	(-0.6)	45th lowest
Highest maximum	30.0	86.0		on 9th July
Lowest maximum	-0.6	30.9		on 6th December
Highest minimum	18.6	65.5		on 21st August
Lowest minimum	-11.5	11.3		on 20th December
Mean grass minimum	2.2	36.0	(-1.2)	
Lowest grass minimum	-17.7	0.1		on 20th December
Mean 30cm earth temp.	11.1	52.0	(-0.4)	
Highest 30cm	20.2	68.4		on 12th July
Lowest 30cm	2.5	36.5		on 27th December
Mean 100cm earth temp	11.6	52.9		
Highest 100cm	17.7	63.9		4th August
Lowest 100cm	5.8	42.4		on 12th March
Warmest month	July,		daily mean 18.7°C,	65.7°F
Coollest month	December,		daily mean 0.6°C,	33.1°F

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

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

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	1	10.0 to 14.9	64	81
-10.0 to - 5.1	0	17	15.0 to 19.9	83	17
-5.0 to -0.1	4	63	20.0 to 24.9	75	0
0.0 to 4.9	47	92	25.0 to 29.9	24	0
5.0 to 9.9	67	94	30.0 to 34.9	1	0

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

	Jan	Feb	Mar	Apr	May	Jun	
Air frost	19 (+9)	9 (-1)	9 (+2)	3 (-1)	3 (+2)	0 (0)	
Ground frost	24 (+6)	17 (-1)	19 (+2)	19 (+5)	11 (+4)	1 (-1)	
	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Air frost	0 (0)	0 (0)	0 (0)	4 (+3)	11 (+5)	23 (+14)	81 (+33)
Ground frost	0 (0)	0 (0)	1 (-2)	8 (0)	17 (+2)	25 (+9)	142 (+22)

Date of: last spring air frost, 13th May ground frost, 17th June
 first autumn air frost, 17th October ground frost, 18th September
 Frost free period, air 156 days, ground 92 days.
 Annual total of air frost duration: 821.4 hours
 Frostiest month December, 329.1 hours

[Difference from 1971-2000 average in brackets]

Temperature anomaly in deg C

Rainfall.

Total 536.3 mm 21.11 inches (82 %) 19th lowest in 129 years

Number of : Rain days 153 (-6) Wet days 109 (-3) Days => 5mm 37 (-8)

A rain day has at least 0.2 mm A wet day has at least 1.0 mm

Highest daily fall to 9am: 24.6 mm on 25th August

Wettest month, August 87.8 mm 172 % of average
 Driest month, May 20.0 mm 40 % of average

Duration of measurable rainfall; 417.6 hours * Longest in a day; 14.3 hours on 26th August
 Highest monthly duration; 78.4 hours in February Lowest ; 15.8 hours in June

Number of dry spells, (5 or more consecutive dry days): 13
 Longest dry spell; 15 days, 4th to 18th April
 Total number of : Dry days, 212 (+6) Days in dry spells, 111

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

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

(See note 2, page 4)

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

Rate mm/hr	Days	Rate mm/hr	Days
<10	112	50 to 100	5
10 to 25	17	100 to 250	1
25 to 50	8	>250	0
Highest rate	123 mm/hr on the 15th July		

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

Hours	Days	Hours	Days	Hours	Days
0	175	6.1 to 9.0	12	18.1 to 21.0	0
0.1 to 1.0	66	9.1 to 12.0	5	21.1 to 24.0	0
1.1 to 3.0	43	12.1 to 15.0	2	Missing *	30
3.1 to 6.0	32	15.1 to 18.0	0	*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	212	10.0 to 19.9	7
0.2 to 0.9	44	20.0 to 29.9	3
1.0 to 4.9	72	30.0 to 39.9	0
5.0 to 9.9	27	> 39.9	0

Sunshine.

(Recorded on an electronic sunshine detector)

Total 1556.6 hours Daily mean 4.26 hours (101%)

Sunniest day 15.6 hours on 3rd June
 Number of days: Nil sun 59 =>12 hrs 21

Weather.

Number of days with:

Snow or sleet falling; 37 (+23)
 Snow lying at 0900 GMT; 25 (+19)
 Thunder heard; 8 (-8)
 Hail; 12 (0) =>5mm; 1 <5mm, 11
 Fog at 0900 GMT; 12 (-3)

Air Pressure,

corrected to MSL.

Mean at 0900 GMT 1014.5 mabr (-1.5)
 Absolute highest 1042.6 mbar on 26th January
 Absolute lowest 964.9 mbar on 8th November

[Difference from 1971-2000 average in brackets]

Wind

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

Month	Mean speed mph	Windiest day		Highest gust		0.5 mph or less hours
		mph	Date	mph	Date/time	
January	5.6	10.8	9th	30	9/1731&16/0352	9.6
February	6.9	12.4	26th	50	26/1517	6.0
March	7.1	12.7	31st	43	25/1707	6.3
April	6.2	10.0	12th	32	1/1416	20.6
May	5.5	9.9	30th	36	3/1137	18.7
June	5.5	10.4	10th	29	19/1818	13.1
July	6.6	13.7	15th	38	15/0732	7.2
August	6.4	10.4	24th	38	24/1437	8.1
September	5.8	10.8	14th	38	14/1816	22.0
October	6.1	9.9	29th	32	19/1608	8.9
November	6.3	14.1	11th	47	11/1651	16.6
December	5.2	13.6	1st	36	16/1647	14.7
Year	6.1	14.1	11th November	50	26th February	151.8

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	90	103	77	43	29	28	50	66	102	65	45	46
February	72	135	45	29	24	36	71	83	72	58	24	23
March	30	83	106	16	5	26	94	177	77	54	37	39
April	59	134	83	24	11	20	65	124	84	43	34	39
May	71	205	90	26	8	7	39	99	73	55	37	34
June	64	182	47	34	25	18	39	109	80	74	18	30
July	17	15	14	4	3	15	58	293	135	117	48	25
August	55	43	17	12	7	7	17	176	143	124	73	70
September	41	25	47	53	34	15	54	139	152	51	41	68
October	57	130	55	33	16	17	87	158	85	34	24	48
November	88	104	60	23	32	30	31	54	158	37	50	53
December	129	130	79	32	17	20	48	42	53	65	60	69
Year	773	1289	720	329	211	239	653	1520	1214	777	491	544

Appendix 1.

Monthly statistics from the electronic sunshine detector, 2010.

Note:

Month	Total hours	Highest daily, hrs/date	Number of days with:					
			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	70.6	7.5 on 30th	11	10	4	6	0	0
February	58.0	7.8 on 17th	9	9	8	2	0	0
March	124.3	10.8 on 7th	2	14	6	4	5	0
April	216.6	13.4 on 22nd	1	6	5	6	8	4
May	192.8	15.4 on 22nd	0	9	7	8	3	4
June	248.7	15.6 on 3rd	2	3	10	1	4	10
July	165.2	11.8 on 21st	0	10	7	8	6	0
August	124.9	12.3 on 31st	0	15	7	5	3	1
September	138.8	13.1 on 1st	4	10	4	6	4	2
October	119.6	10.3 on 11th	5	9	6	7	4	0
November	72.7	8.1 on 10th	7	13	5	5	0	0
December	24.4	5.5 on 12th	18	10	3	0	0	0
Year	1556.6	15.6	59	118	72	58	37	21

Appendix 2.

Monthly categories, quick look table, 2010.

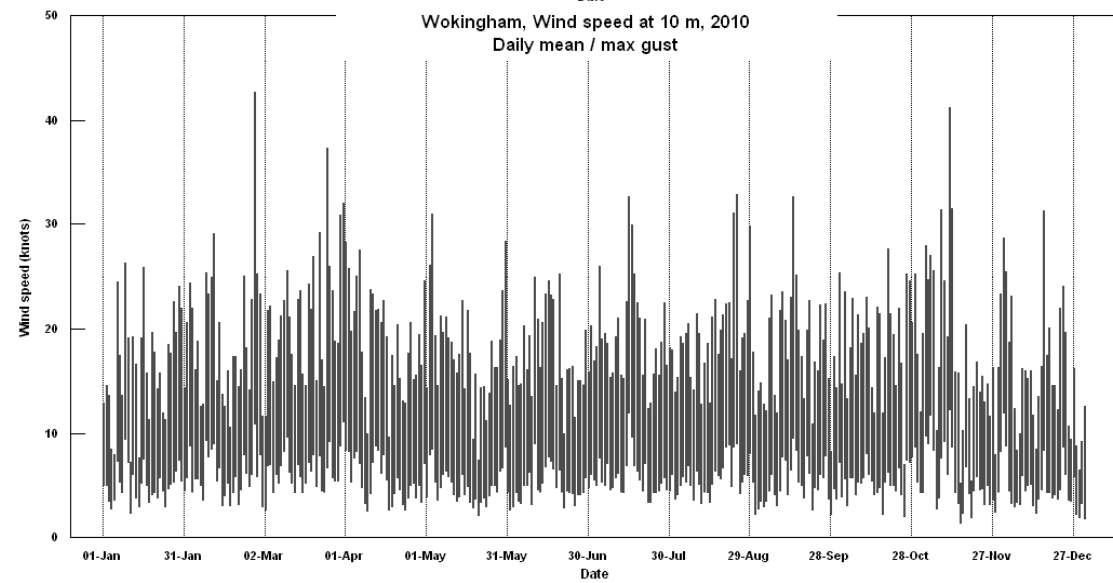
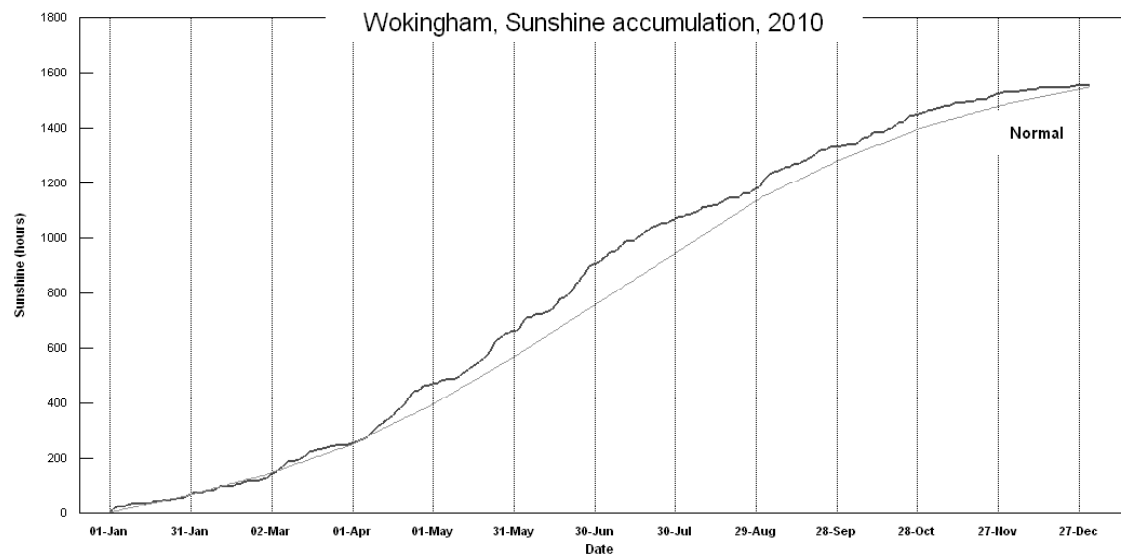
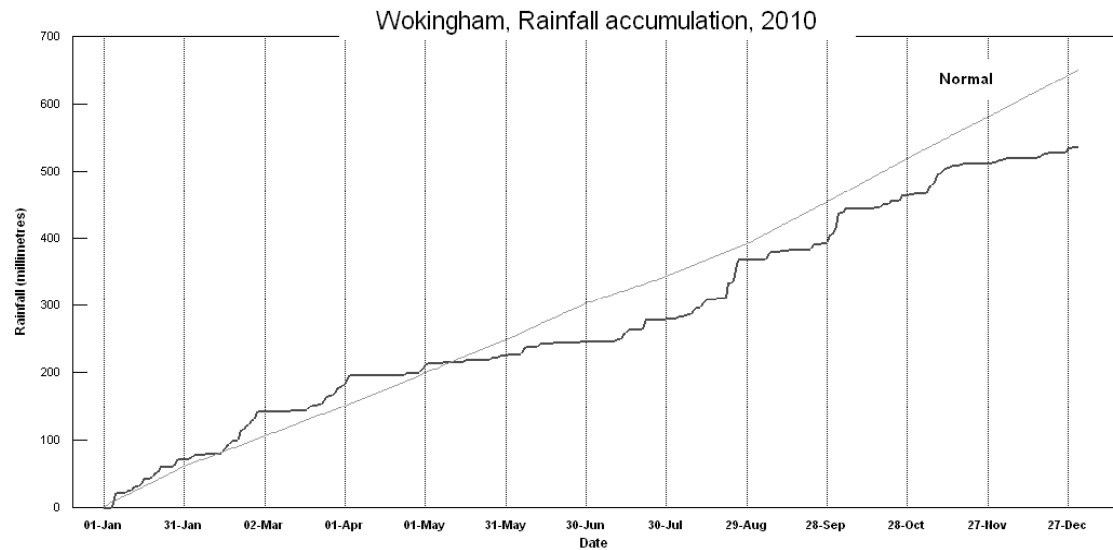
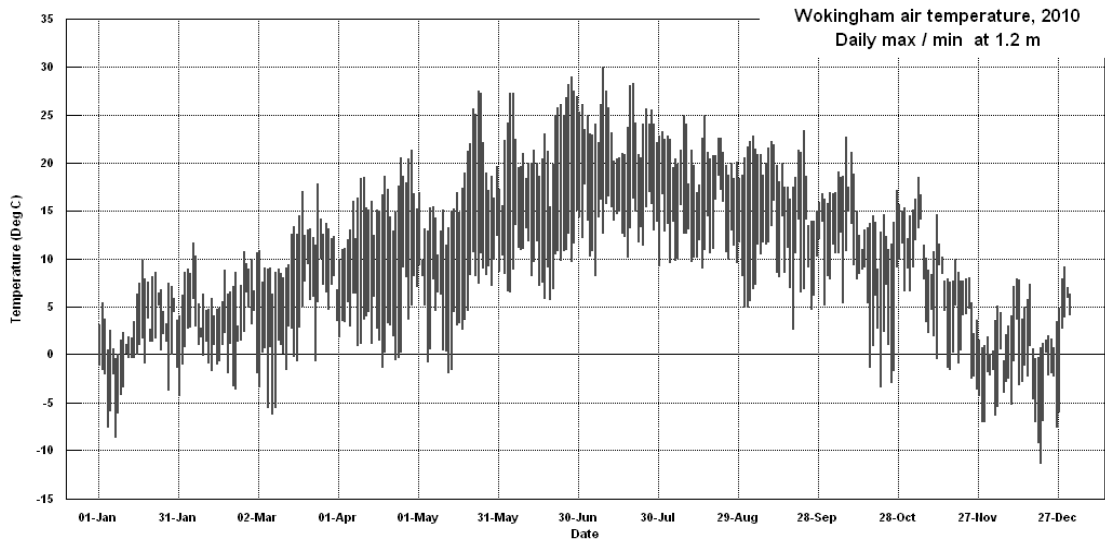
Month	Temperature Category	Rainfall Category	Sunshine Category	Index	(see note 1)
January	2 Cool	3 Normal	4 Sunny	9	
February	3 Normal	2 Wet	2 Dull	7	
March	3 Normal	3 Normal	3 Normal	9	
April	4 Warm	4 Dry	5 Very sunny	13	
May	3 Normal	4 Dry	3 Normal	10	
June	5 Very hot	4 Dry	4 Sunny	13	
July	5 Very hot	4 Dry	3 Normal	12	
August	3 Normal	2 Wet	1 Very dull	6	
September	3 Normal	3 Normal	3 Normal	9	
October	3 Normal	3 Normal	4 Sunny	10	
November	2 Cold	3 Normal	3 Normal	8	
December	1 Very cold	4 Dry	1 Very dull	6	

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.

Summary of notable features in 2010

January	Coldest January since 1987, with the mean temperature for the first 10 days 5.7° below normal and the highest max lowest since 1979. There was a significant snowy episode from the 6th to the 15th, when the snow depth reached 19cm on the 7th and remained above 10 cm until the rapid thaw on the 16th. The Eden winter snow index of 151 is the most for any month since before 1976
February	Wet and dull, but temperatures only slightly below average. Rainfall was 71 % above average, and the number of dry days was fewest since before 1976. Snow fell on 12 days, the most since 1987, though lying snow was only recorded on the 1st. Dullest in the past 5 years. The mean air pressure was lowest for February since before 1976.
March	A month with two distinct regimes, the first half anticyclonic, dry, cool and sunny and the second half cyclonic, wet, relatively mild and dull. 97.6 hours of sunshine in the first half but only 26.7 hours thereafter.
April	Dry and very sunny, with the mean max 10th highest in 129 years, though the mean min was 51st lowest. The resulting mean daily temperature range was highest, after 2007, for April since 1946. Only 5 mm of rain between the 3rd and the 28th and 6 more dry days than average. This was the second sunniest April since 1990.
May	Dry with sunshine near normal. It was generally cool during the first half of the month, but there was a hot spell in the second. Despite this, it was the coolest May since 1996. The lowest min is lowest since 1980 and the duration of air frost was highest since that year. Driest since 1998 and most dry days since 1991.
June	Dry, sunny and very warm. The mean max was 5th highest in 129 years. Unusually high daily mean temperature range, highest since 1976. Only just over one third of the average rainfall, and a soil moisture deficit 60 mm above average and most since 1996. Second sunniest since 1996, with the 97.7 hours in a 7 day period ending on the 28th.
July	Very warm, dry but sunshine below normal. The mean min was 4th highest in 129 years, but the mean max was only 16th highest with the resulting mean temperature 10th highest in that period. A rainfall rate of 123 mm/hr was recorded on the 15th, the highest in 2010.
August	Wet and very dull with temperatures below average. The mean temperature was equal lowest with 2007 since 1993. Hot weather was notable by its absence, and the highest max was lowest since 1986. Wettest August since 1999 with 7 fewer dry days than average. Rainfall duration was highest since before 1993. Sunshine total ranks 5th lowest in 103 years.
September	Temperature and sunshine near normal, but rainfall well below normal. Lightning disrupted local train services on the 23rd when it struck the signals near Early. A new record daily sunshine total for September of 13.1 hours was set on the 1st.
October	An average month overall. The lowest min was 2nd lowest in the past 35 years.
November	Cold with below normal rainfall and sunshine. This was a remarkable month for extremes, with the highest max only exceeded once in 107 years and the lowest max 3rd lowest in 98 years. Also the highest min was 3rd highest in 98 years and the lowest min 6th lowest in 107 years. The lowest grass min was lowest since 1989. Most of the month's rain fell between the 5th and 12th and there was a little snow from the 27th onwards. Air pressure fell to its lowest value for November since before 1976.
December	Very cold and very dull with two snowy episodes. This was the 2nd coldest December in the past 129 years, and coldest since 1890. The mean max was lowest since 1933 and the highest max was lowest since 1976. The highest min was lowest since 1981 while the lowest min was the 3rd lowest December temperature on record. Earth temperatures were lowest since before 1979. While dry overall, two snowfalls gave 5 cm of snow lying from the 2nd to the 4th and the 18th to the 27th. Sunshine 3rd lowest in 103 years.
Year	<p>A Dry Year with Near Normal Temperature and Sunshine</p> <p>2010 saw a return to temperatures closer to the long-term normal than in recent years. Only 1985 and 1986 have been colder in the past 30, a period when we have experienced many record mild years, 13 having a mean temperature above 11.0°, a value first exceeded in the past 129 years in 1989. January, November and December were all colder than normal months, with significant snowfall in January and December. The lowest temperature this year is lowest since 1986, but is still 3.8° above the absolute lowest in 1982. The highest and lowest max are both close to the long-term median, but the highest min was 1.5° above the median, though 1.1° below the record. The mean grass min is lowest since 1987. Mean earth temperature at 30cm depth is lowest since 1986. The duration of air frost is most since before 1985, and there were more days with frost since before 1976. Rainfall was lowest since 2005, and all the months from March to August were deficient in rainfall, with January, February and August the only months to exceed the average. There were no excessively wet days, and no flooding locally this year. The duration of measurable rain is lowest since 2005, but there were 30 days when no measurement was possible, due to snow or ice in the gauge. Large hail was recorded on the 22nd July, the first instance in 2 years. Thunder was about half as frequent as average. The number of days with snowfall is most since 1979, and the 25 days with snow lying at 0900 GMT is most since 1985. This has been quite a stressful year for unirrigated plants, with an index of estimated soil moisture deficit of 124 in the spring season and 972 in the summer, compared with 30 year averages of 61 and 652 respectively. Sunshine was lowest for the past 6 years, but we had 82 hours more than in 2004. April and June came out on top for sunshine with daily means of 7.22 and 8.29 hours respectively, but December was exceptionally dull with a daily mean of only 0.79 hours, undoubtedly one of the lowest monthly values in the past century. The number of days with nil sun is 2 more than average and most since 2002. The overall mean wind speed of 6.1 mph is 0.7 mph below average and lowest since 2005. The year's windiest day had a mean speed of 14.1 mph, 4.4 mph below average and lowest since before 1988. The year's highest gust of 50 mph is 10 mph below average. There was a deficit of SW'y winds, down 5.9 % on average, while winds from N and NE were 3.6 % and 3.8 % more frequent. The number of calm hours is about the same as in the past 2 years. The mean relative humidity was 78.2 % and the lowest value recorded was 23 % in May. The mean water vapour content per kg of air was 6.2 g at 0900 GMT and 5.9 g at 1500 GMT. The total span of air pressure was 77.7 mbar.</p>



Appendix 4.

Summary of observations at 0900 GMT

Month	Monthly means								Visibility statistics						
	Vis	Cl	TT	Td	RH	WS	WG	pp	TF	FO	VP	PO	MO	GO	EX
January	12.6	76	1.0	-0.2	92	5.0	10	1015.6	0	4	10	7	4	4	2
February	15.5	83	3.4	1.6	89	5.8	12	1003.4	0	0	5	13	3	6	1
March	18.6	74	6.3	3.0	80	5.6	12	1017.3	0	0	1	7	12	10	1
April	23.5	62	10.5	4.4	67	6.4	13	1020.2	0	0	2	3	9	13	3
May	27.6	65	12.7	6.5	67	5.5	12	1017.8	0	0	1	5	8	7	10
June	26.2	56	17.6	10.2	63	4.9	11	1017.9	0	0	1	3	9	12	5
July	31.7	79	18.6	12.4	68	5.8	13	1015.9	0	0	1	1	7	14	8
August	33.5	78	16.7	11.9	74	6.5	13	1014.8	0	0	0	0	9	14	8
September	23.6	75	14.8	11.3	80	5.7	12	1015.5	0	1	0	7	7	10	5
October	21.5	75	10.9	8.8	87	5.3	11	1013.5	0	0	4	5	10	9	3
November	13.1	76	5.4	3.8	90	5.4	12	1006.3	2	1	4	10	8	4	1
December	12.7	94	0.3	-0.9	92	4.5	9	1015.2	2	3	10	5	4	4	3
Year	21.7	75	9.9	6.1	79	5.5	12	1014.5	4	9	39	66	90	107	50

Summary of observations at 1500 GMT

Month	Monthly means								Visibility statistics						
	Vis	Cl	TT	Td	RH	WS	WG	pp	TF	FO	VP	PO	MO	GO	EX
January	19.5	73	3.3	0.2	80	5.9	12	1015.1	0	0	5	10	5	7	4
February	22.3	79	5.6	1.6	76	7.4	16	1003.0	0	0	2	8	6	9	3
March	28.5	83	9.9	2.2	61	7.8	17	1016.0	0	0	1	2	10	11	7
April	28.7	71	14.5	2.9	48	8.0	17	1018.8	0	0	0	3	8	14	5
May	38.2	75	15.9	4.9	49	6.7	15	1016.8	0	0	0	1	3	15	12
June	36.1	65	21.5	9.1	47	6.2	14	1016.7	0	0	0	1	2	17	10
July	40.4	74	22.7	10.7	48	7.9	17	1014.9	0	0	0	0	3	15	13
August	35.7	77	19.5	11.3	62	7.3	16	1013.9	0	0	2	2	2	15	10
September	31.6	81	17.7	10.1	63	6.8	15	1014.5	0	0	0	3	4	16	7
October	29.5	67	13.9	7.6	67	6.5	15	1012.3	0	0	1	4	7	12	7
November	24.9	78	7.6	4.1	79	6.2	13	1005.6	1	0	1	4	6	13	5
December	13.9	81	2.4	0.0	85	4.9	11	1014.0	0	3	5	10	5	8	0
Year	29.2	75	12.9	5.4	64	6.8	15	1013.5	1	3	17	48	61	152	83

Legend: Vis = visibility in km. Cl = 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 2010

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	Fg	ddd	ff	sp	hrs				
January	4.4	-1.0	1.7	-2.8	72.1	-3.3	3.7	6.5	70.6	224.6	1015.6	19	24	12	10	0	0	1	4	350	0.7	4.9	(39.9)
February	7.0	1.2	4.1	-0.5	70.8	-1.4	4.3	6.1	58.0	53.7	1003.4	9	17	12	1	0	0	3	0	338	0.7	6.0	78.4
March	11.3	2.3	6.8	0.0	38.8	-0.9	6.3	6.7	124.3	57.2	1017.3	9	19	0	0	1	0	3	0	222	1.1	6.2	40.7
April	15.7	3.4	9.5	+0.9	25.2	-0.4	9.9	9.1	216.6	5.5	1020.2	3	19	0	0	0	0	1	0	300	0.5	5.4	15.9
May	17.4	5.6	11.5	-0.5	20.0	2.3	12.8	11.6	192.8	12.3	1017.8	3	11	0	0	0	0	0	0	358	1.5	4.8	17.9
June	22.8	10.0	16.4	+1.4	20.2	5.8	16.6	14.7	248.7	0.0	1017.9	0	1	0	0	0	0	0	0	344	0.9	4.8	15.8
July	23.9	13.6	18.7	+1.3	34.7	10.6	19.1	17.2	165.2	0.0	1015.9	0	0	0	0	1	1	0	0	228	4.3	5.7	19.7
August	20.8	11.9	16.3	-0.8	87.8	8.9	18.0	17.3	124.9	0.0	1014.8	0	0	0	0	3	0	0	0	253	3.2	5.6	60.8
September	19.0	9.4	14.2	-0.1	36.8	6.2	15.9	16.3	138.8	0.0	1015.5	0	1	0	0	2	0	0	1	238	2.1	5.0	32.0
October	15.2	6.8	11.0	+0.2	61.4	4.1	12.9	14.4	119.6	24.3	1013.5	4	8	0	0	1	0	0	0	223	0.8	5.3	48.2
November	8.8	2.7	5.8	-1.3	46.7	-0.5	9.0	11.6	72.7	114.7	1006.3	11	17	3	1	0	0	0	3	272	1.1	5.5	42.5
December	3.7	-2.5	0.6	-4.8	21.8	-5.0	3.8	7.3	24.4	329.1	1015.2	23	25	10	13	0	0	3	4	349	1.8	4.5	(5.8)
Year	14.2	5.3	9.7	-0.6	536.3	2.2	11.1	11.6	1556.6	821.4	1014.5	81	142	37	25	8	1	11	12	267	1.0	5.3	(417.6)

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			
1999	15.5	7.0	11.3	+1.3	30.8	-7.5	742	3.9	12.3	12.5	1700	224	1014.7	35	101	9	4	24	8	7	4	244	2.7	5.9
2000	15.0	7.0	11.0	+1.0	30.5	-7.1	872	3.8	12.0	12.2	1348	254	1013.9	33	104	7	4	15	3	10	14	246	3.1	5.9
2001	14.9	6.5	10.7	+0.7	31.8	-6.2	746	3.5	11.8	12.1	1489	468	1015.7	63	109	20	0	21	1	12	11	242	1.6	5.4
2002	15.5	7.2	11.4	+1.1	31.0	-7.8	853	4.5	12.4	12.5	1484	166	1014.6	26	70	2	0	17	0	13	11	222	2.1	5.8
2003	16.1	6.3	11.2	+0.9	36.9	-6.5	534	3.2	12.0	12.3	1906	458	1017.2	58	121	10	4	8	1	4	7	219	1.3	5.2
2004	15.3	7.1	11.2	+0.9	30.7	-6.2	612	4.0	12.1	12.3	1475	280	1016.1	40	92	13	2	3	4	15	4	241	2.3	5.4
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

Legend : See appendix 4.

Wokingham area decadal annual means for the last century

Decade Ending	Mean max	Mean min	Mean	Anom	Mean rain	Anom	Mean sun	Anom
1900	14.1	5.0	9.6	-0.7	600	-51	xx	
1910	13.7	5.1	9.4	-0.9	631	-20	xx	
1920	14.0	5.3	9.7	-0.6	700	+49	1588	+55
1930	14.2	5.3	9.8	-0.5	636	-15	1599	+66
1940	14.4	5.5	10.0	-0.3	641	-10	1527	-6
1950	14.6	5.7	10.2	-0.1	616	-35	1572	+39
1960	14.1	5.7	9.9	-0.4	678	+27	1500	-33
1970	13.7	5.7	9.7	-0.6	686	+35	1487	-46
1980	14.0	5.8	9.9	-0.4	655	+4	1538	+5
1990	14.4	6.1	10.3	0.0	639	-12	1554	+21
2000	14.9	6.6	10.8	+0.5	660	+9	1569	+36
2010	15.3	6.7	11.0	+0.7	654	+3	1611	+78

Anom = difference from current 1971 to 2000 climatological average.

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

1533 36

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	2002	11.4	1888	8.5	1951	887	1990	459	1990	5.1	1932	3.7
3	1999	11.3	1892	8.5	2000	872	1902	477	1989	5.1	1968	3.7
4	1990	11.3	1891	8.7	1960	857	1887	487	1911	5.1	1981	3.7
5	1989	11.3	1963	8.7	2002	853	1947	491	1949	5.0	1912	3.8
6	2007	11.2	1885	8.8	1916	842	2005	492	1929	5.0	1931	3.8
7	2004	11.2	1919	8.8	1974	837	1996	508	1921	5.0	1936	3.8
8	2003	11.2	1886	8.9	1915	815	1933	509	1959	4.9	1960	3.8
9	1997	11.2	1917	8.9	1927	814	1898	510	1933	4.9	1966	3.8
10	1995	11.2	1962	8.9	1968	793	1938	511	1995	4.8	1993	3.8

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