

WOKINGHAM METEOROLOGICAL DATA

Emmbrook, Wokingham, Berkshire. Annual Summary 2003

Temperature

	°C	°F	Anom	Rank
Mean maximum	16.1	61.0	(+1.7)	*Highest in 122 years*
Mean minimum	6.3	43.3	(+0.1)	13th highest in 122 years
Daily mean	11.2	52.2	(+0.9)	5th highest in 122 years
Highest maximum	36.9	98.4		*New record*
Lowest maximum	0.8	33.4		on 8th January
Highest minimum	18.9	66.0		on 11th August
Lowest minimum	-6.5	20.3		on 12th January
Mean grass minimum	3.2	37.8		
Lowest grass minimum	-11.2	11.8		on 12th January
Mean 30cm earth temp.	12.0	53.6	(+0.5)	
Highest 30cm	22.2	72.0		on 12th August
Lowest 30cm	3.4	38.1		on 20th February
Mean 100cm earth temp	12.3	54.1	(+0.6)	
Highest 100cm	19.1	66.4		on 15th August
Lowest 100cm	6.4	43.5		on 25th February
Warmest month	August, daily mean 19.8°C, 67.6°F			
Coolest month	January & February, daily mean 4.6°C, 40.3°F			

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

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

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

Range, deg C	Number of days		Range, deg C	Number of days	
	Max	Min		Max	Min
-10.0 to - 5.1	0	5	15.0 to 19.9	83	26
-5.0 to -0.1	0	53	20.0 to 24.9	74	0
0.0 to 4.9	16	86	25.0 to 29.9	28	0
5.0 to 9.9	65	121	30.0 to 34.9	8	0
10.0 to 14.9	90	74	35.0 to 39.9	1	0

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

	Jan	Feb	Mar	Apr	May	Jun	
Air frost	12 (+2)	13 (+3)	8 (+1)	6 (+2)	0 (-1)	0 (0)	
Ground frost	16 (-2)	19 (+1)	21 (+4)	15 (+1)	7 (0)	0 (-2)	
	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Air frost	0 (0)	0 (0)	0 (0)	5 (+4)	3 (-3)	11 (+2)	58 (+10)
Ground frost	0 (0)	0 (0)	3 (0)	12 (+4)	10 (-5)	18 (+2)	121 (+1)

Date of: last Spring air frost, 12th April ground frost, 15th May
 first Autumn air frost, 21st October ground frost, 24th September
 Frost free period, air 191 days, ground 131 days.
 Annual total of air frost duration: 458.3 hours
 Frostiest month January, 130.9 hours

[Difference from 1971-2000 average in brackets]

Temperature anomaly in deg C

Rainfall.

Total 533.9 mm 21.02 inches 82 % of average 17th lowest in 122 years

Number of : Rain days 136 (-23) Wet days 87 (-25) Days => 5mm 34

Highest daily fall to 9am: 30.0 mm on 25th November

Wettest month, November 138.0 mm 226% of average
 Driest month, September 6.6 mm 11% of average

Duration of measurable rainfall; 434.5 hours Longest in a day; 20.3 hours on 22nd November
 Highest monthly duration; 106.1 hours in November Lowest ; 6.3 hours in September

Number of dry spells, (5 or more consecutive dry days): 15
 Longest dry spell; 24 days, 8th to 31st March
 Total number of : Dry days, 229 (+23) Days in dry spells, 155

Table 4. **Rainfall category for each month. (See note 2, page 4)**

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

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

Hours	Days	Hours	Days	Hours	Days
0	202	6.1 to 9.0	13	18.1 to 21.0	1
0.1 to 1.0	70	9.1 to 12.0	6	21.1 to 24.0	0
1.1 to 3.0	37	12.1 to 15.0	2	Missing *	5
3.1 to 6.0	29	15.1 to 18.0	0	*Snow/ice/instrument failure	

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

Fall, mm	Days	Fall, mm	Days
0.0 to 0.1	229	10.0 to 19.9	10
0.2 to 0.9	49	20.0 to 29.9	3
1.0 to 4.9	53	30.0 to 39.9	1
5.0 to 9.9	20	> 39.9	0

Sunshine. (Recorded on an electronic sunshine detector)

Total 2082.7 hours Daily mean 5.71 hours (134%) ***New record***

Sunniest day 15.9 hours on 20th June
 Number of days: Nil sun 36 =>12 hrs 44

Weather. Number of days with:

Snow or sleet falling; 10 (-4)
 Snow lying at 0900 GMT; 4 (-2)
 Thunder heard; 8 (-8)
 Hail; 5 (-7) =>5mm; 1 <5mm, 4
 Fog at 0900 GMT; 7 (-8)

Air Pressure, corrected to MSL.

Mean at 0900 GMT 1017.2 mabr (-1.4)
 Absolute highest 1040.5 mbar on 16th March
 Absolute lowest 971.2 mbar on 31st October

[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	8.2	13.8	28th	45	20/1042	19
February	5.9	11.5	2nd	41	28/1804	32
March	6.3	15.0	8th	37	8/1526	72
April	6.7	11.6	19th	39	1/1246	50
May	6.7	11.6	20th	40	2/1352	18
June	5.6	10.0	10th	37	8/1400	18
July	5.6	9.6	17th	38	25/1452	10
August	4.6	8.2	22nd	25	21/1224	43
September	3.9	8.3	22nd	32	22/1623	96
October	6.2	10.9	6th	39	7/1252	36
November	6.2	15.1	14th	41	14/1658	31
December	6.3	14.2	26th	43	14/0331	70
Year	6.0	15.1	14th November	45	20th January	495

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.

Month	Direction												Calm
	030 NNE	060 ENE	090 E	120 ESE	150 SSE	180 S	210 SSW	240 WSW	270 W	300 WNW	330 NNW	360 N	
January	60	38	10	2	26	102	148	112	60	36	71	74	5
February	49	97	103	37	56	91	80	50	16	32	38	19	4
March	73	155	57	10	39	93	123	50	19	18	45	57	5
April	98	139	79	31	29	74	108	29	17	20	32	58	6
May	13	28	18	10	23	127	228	166	75	24	22	10	0
June	26	43	65	30	34	117	169	111	55	27	16	26	1
July	25	25	32	15	13	70	213	130	93	61	41	26	0
August	86	81	87	38	16	48	91	71	56	36	40	94	0
September	41	25	30	27	27	162	140	58	26	29	73	72	10
October	73	115	107	15	8	40	59	70	72	46	63	73	3
November	45	22	60	40	72	131	151	86	25	27	24	36	1
December	77	106	65	19	21	86	104	82	36	39	63	42	4
Year	666	874	713	274	364	1141	1614	1015	550	395	528	587	39

Appendix 1.

Monthly statistics from the electronic sunshine detector.

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	112.6	7.6 on 31st	3	12	7	9	0	0
February	114.3	9.6 on 18th	4	6	11	6	1	0
March	196.7	12.4 on 31st	1	11	1	5	12	1
April	198.5	13.3 on 16th	2	5	8	6	2	7
May	208.4	14.5 on 31st	1	6	8	5	3	8
June	237.7	15.9 on 20th	0	6	6	5	7	6
July	205.7	15.5 on 13th	0	10	7	5	3	6
August	257.1	14.9 on 2nd	1	4	7	4	4	11
September	215.7	12.8 on 4th	0	7	5	6	7	5
October	175.3	10.4 on 11th	2	8	5	10	6	0
November	97.4	8.4 on 7th	9	5	8	8	0	0
December	63.3	7.4 on 7th	13	9	4	5	0	0
Year	2082.7	15.9	36	89	77	74	45	44

Appendix 2.

Monthly categories, quick look table

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

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 since 1908 for sunshine.

Annual Summary 2003

Appendix 3.

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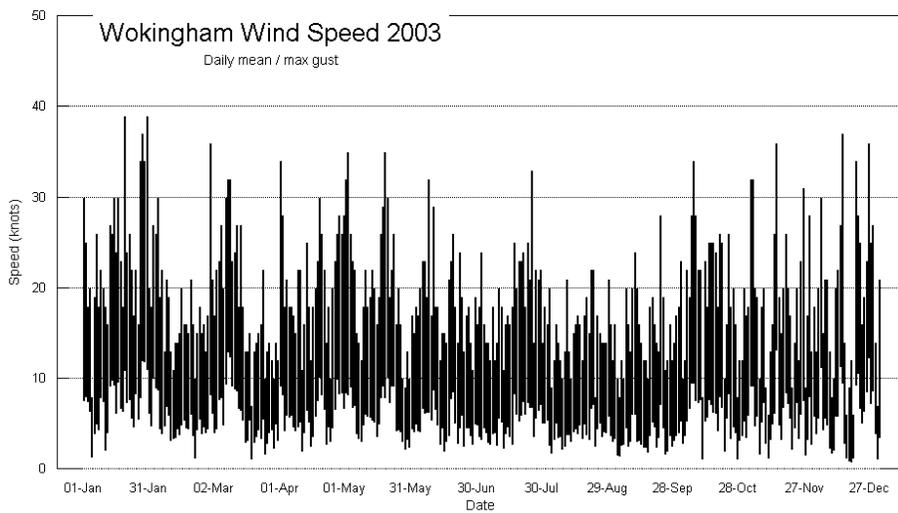
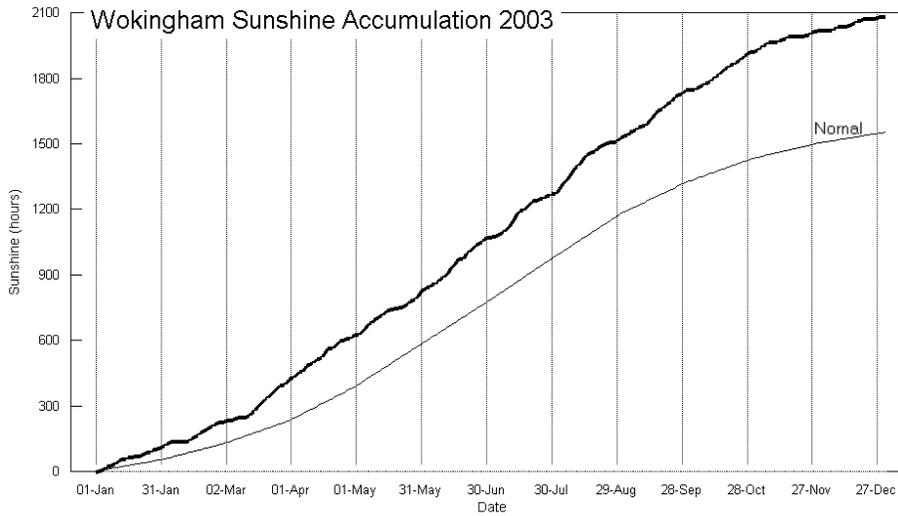
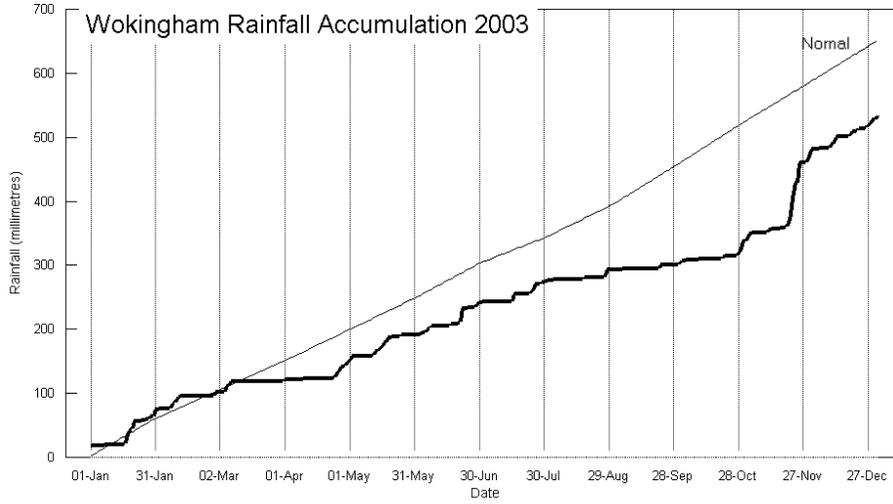
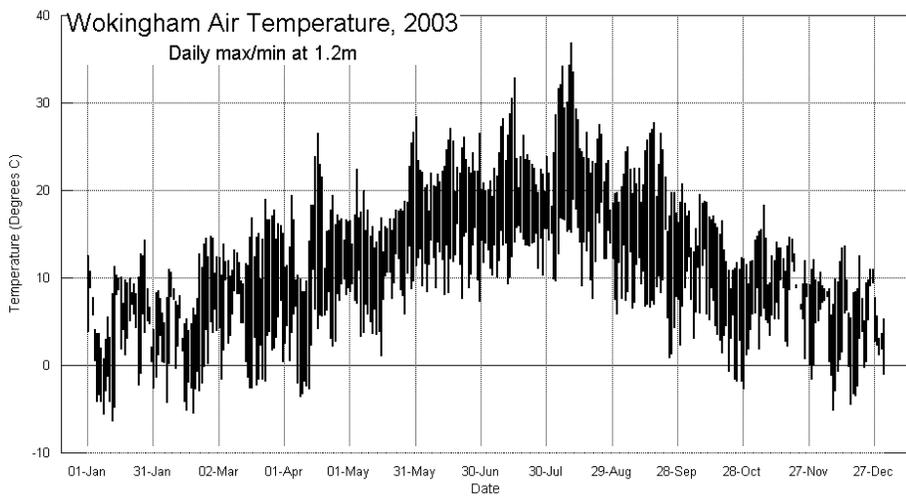
Summary of notable features in 2003.

<u>January.</u>	Wet and very sunny with temperatures near normal. Highest maximum 3rd highest since 1903. Mean earth temp. at 1 metre depth equal highest with 1990 in past 14 years. Exceptionally sunny, the first January in the past 96 years to have over 100 hours.
<u>February.</u>	Very sunny with near normal temperature and rainfall. Coldest since 1996. 2nd sunniest on record. Mean wind speed equal lowest with 1998 in 16 years.
<u>March.</u>	Mild, dry, record sunshine. Mean maximum equal highest with 1997 since 1961. Mean daily temperature range highest since 1948. Most dry days since before 1904. Sunshine total a new highest record. Mean wind speed lowest since before 1988.
<u>April.</u>	Mild, dry and sunny. Mean maximum not exceeded since 1949. Highest maximum only 0.1° below the record. Daily temperature range 22.4° on 16th a new record for April. Only 1 mm of rain between 2nd and 23rd.
<u>May.</u>	Mild with near normal rainfall and sunshine. Highest maximum highest since 1989. Notable hailstorm on 13th.
<u>June.</u>	Very warm, sunny, near normal rainfall. Warmest since 1976. Lowest minimum 5th highest since 1903. Lowest maximum 3rd highest since 1912.
<u>July.</u>	Warm, dry, near normal sunshine. Mean minimum 6th highest in 122 years. Highest maximum is highest since 1989 and 6th highest since 1904. Lowest maximum is 5th highest in 91 years.
<u>August.</u>	Very warm, very dry and very sunny. A record breaking month with unprecedented heat. Both the mean maximum and mean minimum were 2nd highest in 122 years. There was a notable heatwave in the first half, with 30° exceeded on 7 days, and culminating with a new all time record of 36.9° on the 10th, smashing the previous record by 1.3°. Driest and sunniest since 1995 and 10th driest in 122 years. The period 2nd to 15th exceptionally sunny, with a daily mean of 12.5 hours.
<u>September.</u>	Warm, very dry, very sunny. Mean maximum 6th highest in 122 years. Mean daily temperature range highest for this month since 1898. Lowest minimum lowest since 1969. Driest since 1959 and 3rd driest in 122 years. Sunniest since 1959. The period 13th to 17th had a daily mean sunshine of 12.1 hours per day. Mean wind speed equal lowest with Nov 1988 for any month in the past 16 years.
<u>October.</u>	Cool, dry and very sunny. Coldest since 1993. Driest since 1995. 2nd sunniest October after 1999 since 1907.
<u>November.</u>	Very mild, very wet and very sunny. Mean temperature 5th highest in 122 years. Highest maximum is highest since 1946. 7th wettest in 122 years, 2nd wettest since 1974. Exceptionally wet episode 21st to 25th, breaking all time records for 4, 5, 6 and 7 day totals in the past 28 years.
<u>December.</u>	Temperature and rainfall near normal, very sunny. The 5th consecutive month in the very sunny category.

Year

Very Mild. Dry. New Record High Sunshine.

Once again we have to report a record breaking year. The mean maximum is highest in the past 122 years, 0.2° above the previous highest in 1989 and 1990. The mean minimum, however, is not a record, and ranks 13th highest in 122 years, 0.9° below the record. The resulting overall mean is 0.2° below the record set in 2002. The mean daily temperature range, 9.8°, is a new record for this site, 0.5° above the previous highest since 1976. New records were also set this year for the highest maximum, 36.9°, an outstanding 1.3° higher than the previous record set as long ago as 1911, and for the highest daily mean, 26.2°. The lowest minimum is 1.3° above the median, the lowest maximum is 1.4° above the median and the highest minimum is 1.8° above the median and is 7th highest in 91 years. The number of air frosts is highest only since 2001, but the number of ground frosts is most since 1987. This was the driest year since 1997, 106 mm below the long-term median, and ranks 17th driest since 1882. The highest daily total, 30.0 mm, is close to the median. The number of dry days was most since 1990. Thunder was unusually scarce, just 8 days, equal lowest with 1990 since 1953. In line with the low rainfall total, soil moisture deficit this year was quite high, peaking at 341 mm for deep soil moisture, highest since 1995, and subjecting un-irrigated shallow rooted vegetation to severe stress almost continuously from mid-June to the end of October, a period of 135 days. Periods of stress occur in most years, but the median duration for the past 28 years has been 35 days, and this year's total is equal highest with 1990. The cumulative departure of rainfall from the long-term average was +280 mm on 31st Dec. Sunshine this year has been outstanding, by far the highest annual total on record. Monthly records were broken in January and March, and the monthly total was 2nd highest in February and October. In fact, 8 of the 12 months had sunshine totals in the top 10% of their respective ranked values, a truly remarkable statistic. The mean wind speed is lowest in the past 16 years, 0.9 mph below the average for that period. The years highest gust is also a new low, and 16 mph below average. Analysis of wind direction shows that wind from E and ENE were 3.9 % and 3.1 % more frequent than normal, at the expense of winds from WSW, down 2.3 %, S, down 1.2 % and NNW, down 1.1 %. The mean relative humidity was 76.7 %. The lowest value recorded was 18 % on the 10th August. The mean amount of water vapour per 1 kg of air was 6.9 g at 0900 hours and 6.5 g at 1500 hours.



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	19.8	70	4.0	2.3	89	6.7	14	1015.6	0	0	2	9	11	5	4
February	11.9	75	3.6	1.8	88	4.6	10	1019.2	2	0	4	15	3	3	1
March	12.1	68	7.4	4.6	83	6.0	12	1023.2	0	0	14	6	4	6	1
April	17.2	60	10.9	5.5	70	7.3	14	1016.8	0	0	1	11	10	6	2
May	29.4	66	14.2	9.0	72	7.2	14	1016.0	0	0	0	5	6	13	7
June	28.8	71	17.9	12.6	72	5.3	11	1015.5	0	0	1	5	6	12	6
July	31.6	69	19.0	13.6	72	5.7	12	1015.2	0	0	0	1	6	18	6
August	28.3	56	20.0	14.3	70	4.9	10	1019.1	0	0	1	7	5	10	8
September	20.5	60	15.2	11.1	77	4.2	8	1020.9	0	0	1	7	11	8	3
October	19.7	60	9.0	6.3	84	5.5	11	1014.5	0	0	4	7	10	7	3
November	15.7	68	8.3	7.2	93	5.3	11	1012.1	1	1	6	9	3	9	1
December	16.7	69	4.5	3.4	93	5.5	11	1017.8	2	1	5	9	6	5	3
Year	21.1	66	11.2	7.7	80	5.7	12	1017.2	5	2	39	91	81	102	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	29.8	61	6.8	2.5	75	8.3	18	1015.3	0	0	1	5	2	15	8
February	20.9	64	8.2	1.8	65	7.4	16	1018.2	0	0	1	7	9	9	2
March	21.8	56	12.9	3.5	55	7.7	16	1021.8	0	0	2	9	8	8	4
April	23.9	64	14.7	4.5	53	9.0	18	1015.4	0	0	0	3	12	12	3
May	29.0	81	16.3	8.1	61	7.7	18	1015.0	0	0	1	1	8	14	7
June	32.4	68	21.4	12.1	57	6.9	16	1014.8	0	0	0	1	5	18	6
July	37.1	69	22.4	12.5	56	7.0	16	1014.5	0	0	0	1	1	18	11
August	32.0	58	24.8	12.2	47	5.5	12	1017.8	0	0	1	2	9	9	10
September	37.0	61	20.5	8.4	47	5.7	13	1019.3	0	0	0	1	5	14	10
October	31.5	65	13.4	4.9	58	8.3	17	1013.1	0	0	2	2	3	19	5
November	24.8	69	11.3	7.3	77	6.9	14	1011.7	0	0	4	3	5	13	5
December	23.6	79	7.5	4.2	81	6.2	13	1016.9	1	0	2	7	6	10	5
Year	28.7	66	15.1	6.9	61	7.2	16	1016.1	1	0	14	42	73	159	76

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 2003

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	7.8	1.4	4.6	+0.1	75.9	-1.6	6.3	8.5	112.6	130.9	1015.6	12	16	4	4	1	0	0	0	252	2.6	7.1	47.5
February	8.7	0.5	4.6	-0.0	26.7	-2.9	4.9	7.0	114.3	111.0	1019.2	13	19	3	0	0	0	0	2	152	1.1	5.1	36.8
March	13.6	2.6	8.1	+1.3	17.1	-1.0	7.5	7.7	196.7	53.4	1023.2	8	21	0	0	0	0	0	171	1.1	5.5	9.9	
April	15.6	4.0	9.8	+1.2	28.7	-0.1	9.9	9.4	198.5	41.6	1016.8	6	15	1	0	0	0	2	90	1.1	5.8	22.9	
May	17.8	7.8	12.8	+0.8	44.2	4.3	13.2	11.8	208.4	0.0	1016.0	0	7	0	0	2	1	1	0	223	4.4	5.8	29.3
June	22.6	11.7	17.2	+2.2	49.7	9.2	17.6	15.0	237.7	0.0	1015.5	0	0	0	0	4	0	0	0	212	2.5	4.9	22.0
July	23.5	13.2	18.3	+0.9	34.6	10.8	19.0	17.2	205.7	0.0	1015.2	0	0	0	0	1	0	0	0	231	3.0	4.9	33.8
August	26.0	13.5	19.8	+2.7	18.2	10.3	20.1	18.5	257.1	0.0	1019.1	0	0	0	0	0	0	0	0	16	0.5	4.0	9.8
September	21.6	8.0	14.8	+0.5	6.6	4.5	16.5	17.3	215.7	0.0	1020.9	0	3	0	0	0	0	0	0	227	1.2	3.4	6.3
October	14.4	4.7	9.5	-1.3	36.4	1.5	11.9	14.4	175.3	32.9	1014.5	5	12	0	0	0	0	1	0	14	1.3	5.4	40.2
November	12.1	5.5	8.8	+1.7	138.0	3.3	9.6	11.6	97.4	12.1	1012.1	3	10	0	0	0	0	0	2	199	2.6	5.4	106.1
December	8.5	1.9	5.2	-0.2	57.8	-0.5	6.7	9.3	63.3	76.4	1017.8	11	18	2	0	0	0	0	3	258	1.0	5.5	69.9
Year	16.1	6.3	11.2	+0.9	533.9	3.2	12.0	12.3	2082.7	458.3	1017.2	58	121	10	4	8	1	4	7	219	1.3	5.2	434.5

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 gm. t.
 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 gm. 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				
1992	14.7	6.5	10.6	+0.6	29.2	-7.3	679	3.7	11.7	12.1	1416	425	1017.2	48	103	6	0	15	1	10	14	223	2.6	6.4
1993	14.3	6.3	10.3	+0.3	27.6	-5.9	667	3.5	11.5	12.0	1393	336	1017.0	47	90	12	2	18	1	6	17	229	1.8	6.5
1994	15.2	7.1	11.1	+1.1	31.1	-5.3	663	4.0	11.9	12.0	1526	219	1014.9	34	96	11	5	17	4	16	9	224	2.8	6.9
1995	15.7	6.8	11.2	+1.2	33.3	-7.9	685	3.2	12.3	12.5	1758	383	1016.3	48	98	17	4	16	3	16	8	242	1.6	6.2
1996	13.9	5.6	9.8	-0.2	30.7	-5.6	508	2.5	11.1	11.4	1621	593	1015.9	68	117	16	8	11	2	7	9	227	0.5	5.7
1997	15.6	6.7	11.2	+1.2	30.6	-8.8	523	3.8	12.0	12.1	1702	440	1016.8	54	104	9	2	14	1	9	18	218	3.0	5.3
1998	15.1	7.1	11.1	+1.1	30.1	-4.0	720	4.1	12.0	12.2	1484	212	1015.6	35	96	7	0	19	5	7	9	225	3.0	5.8
1999	15.5	7.0	11.3	+1.3	30.8	-7.5	742	3.9	12.3	12.5	1764	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	1545	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	1678	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	1692	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	2083	458	1017.2	58	121	10	4	8	1	4	7	219	1.3	5.2

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	-0.4	600	-60	xx	
1910	13.7	5.1	9.4	-0.6	631	-29	xx	
1920	14.0	5.3	9.7	-0.3	700	+40	1588	+61
1930	14.2	5.3	9.8	-0.2	636	-24	1599	+72
1940	14.4	5.5	10.0	0.0	641	-19	1527	0
1950	14.6	5.7	10.2	+0.2	616	-44	1572	+45
1960	14.1	5.7	9.9	-0.3	678	+18	1500	-27
1970	13.7	5.7	9.7	-0.3	686	+26	1487	-40
1980	14.0	5.8	9.9	-0.1	655	-5	1538	+11
1990	14.4	6.1	10.3	+0.3	639	-21	1554	+27
2000	14.9	6.6	10.8	+0.8	660	0	1569	+42

Anom = difference from current 1961 to 90 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	7.2	in 2002
Lowest annual mean minimum	3.9	in 1887
Highest annual mean temperature	11.4	in 2002
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	2083 hours	in 2003
Dullest year	1274 hours	in 1958
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		
Rank	Year	Deg C	Year	Deg C	Year	mm	Year	mm	Year	Mean	Year	Mean	Year	Mean			
1	2002	11.4	1887	8.4	1903	952	1921	337	2003	5.7	1958	3.5					
2	1999	11.3	1888	8.5	1951	887	1990	459	1990	5.1	1932	3.7					
3	1990	11.3	1892	8.5	2000	872	1902	477	1989	5.1	1968	3.7					
4	1989	11.3	1891	8.7	1960	857	1887	487	1911	5.1	1981	3.7					
5	2003	11.2	1963	8.7	2002	853	1947	491	1949	5.0	1912	3.8					
6	1997	11.2	1885	8.8	1916	842	1996	508	1929	5.0	1931	3.8					
7	1995	11.2	1919	8.8	1974	837	1933	509	1921	5.0	1936	3.8					
8	1998	11.1	1886	8.9	1915	815	1898	510	1959	4.9	1960	3.8					
9	1994	11.1	1917	8.9	1927	814	1938	511	1933	4.9	1966	3.8					
10	2000	11.0	1962	8.9	1968	793	1884	513	1999	4.9	1993	3.8					

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