WOKINGHAM METEOROLOGICAL DATA

Emmbrook, Wokingham, Berkshire.

Annual Summary 2005

Temperature

	°C	°F	Anom	Rank in 124 years
Mean maximum	15.4	59.7	(+1.0)	10th highest
Mean minimum	6.7	44.1	(+0.5)	8th highest
Daily mean	11.1	52.0	(+0.8)	9th highest

Highest maximum	31.1	88.0	on 19th June
Lowest maximum	1.3	34.3	on 28th December
Highest minimum	18.8	65.8	on 20th June
Lowest minimum	-6.9	19.6	on 28th February
Mean grass minimum	3.5	38.3	
Lowest grass minimum	-11.4	11.5	on 28th February
Mean 30cm earth temp.	12.0	53.6	(+0.5)
Highest 30cm	19.8	67.6	on 18th July
Lowest 30cm	4.0	39.2	on 4th March
Mean 100cm earth temp	12.2	54.0	(+0.5)
Highest 100cm	17.5	63.5	on 8th September
Lowest 100cm	6.5	43.7	on 8th March

Warmest month July, daily mean 17.7°C, 63.9°F

Coolest month December, daily mean 4.2°C, 39.6°F

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

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

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

	Number of days			Number of days	
Range, deg C	Max	Min	Range, deg C	Max	Min
-10.0 to - 5.1	0	3	15.0 to 19.9	106	15
-5.0 to -0.1	0	52	20.0 to 24.9	72	0
0.0 to 4.9	18	82	25.0 to 29.9	24	0
5.0 to 9.9	78	100	30.0 to 34.9	2	0
10.0 to 14.9	65	113	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)	10 (0)	8 (+1)	2 (-2)	1 (0)	0 (0)	
Ground frost	17 (-2)	21 (+3)	16 (-1)	13 (-1)	8 (+1)	1 (-1)	
	Jul	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Annual**
Air frost	0 (0)	0 (0)	0 (0)	0 (-1)	12 (+6)	17 (+8)	55 (+7)
Ground frost	0 (0)	0 (0)	1 (-2)	0 (-8)	17 (+2)	21 (+5)	115 (-5)

Date of: last Spring air frost, 11th May ground frost, 7th June

first Autumn air frost, 13th November ground frost, 17th September

Frost free period, air 185 days, ground 101 days.

Annual total of air frost duration: 388.2 hours

Frostiest month December, 134.5 hours

[Difference from 1971-2000 average in brackets] Temperature anomaly in deg C

Rainfall.

Total 492.4 mm 19.39 inches 76 % of average 6th lowest in 124 years

Number of : Rain days 149 (-10) Wet days 94 (-18) Days => 5mm 34

Highest daily fall to 9am: 24.4 mm on 1st December

Wettest month, October 68.0 mm 102 % of average
Driest month, February 14.8 mm 36 % of average

Duration of measurable rainfall; 370.6 hours Longest in a day; 17.4 hours on 29th March
Highest monthly duration; 55.9 hours in October Lowest ; 15.8 hours in June

Number of dry spells, (5 or more consecutive dry days): 17
Longest dry spell; 10 days, 8th to 17th December
Total number of : Dry days, 216 (+10) Days in dry spells, 111

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

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

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

Hours	Days	Hours	Days	Hours	Days
0	189	6.1 to 9.0	9	18.1 to 21.0	0
0.1 to 1.0	81	9.1 to 12.0	1	21.1 to 24.0	0
1.1 to 3.0	46	12.1 to 15.0	1	Missing *	8
3.1 to 6.0	28	15.1 to 18.0	2	*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	216	10.0 to 19.9	9
0.2 to 0.9	55	20.0 to 29.9	1
1.0 to 4.9	60	30.0 to 39.9	0
5.0 to 9.9	24	> 39.9	0

Sunshine.

(Recorded on an electronic sunshine detector)

Total 1609.6 hours Daily mean 4.41 hours (113%)

Sunniest day 15.8 hours on 22nd June
Number of days: Nil sun 41 =>12 hrs 22

Weather.

Number of days with:

Snow or sleet falling; 23 (+9)
Snow lying at 0900 GMT; 4 (-2)
Thunder heard; 14 (-2)
Hail; 14 (+2) =>5mm; 2 <5mm, 12
Fog at 0900 GMT; 10 (-5)

Air Pressure,

corrected to MSL.

Mean at 0900 GMT 1018.0 mabr (+2.0)
Absolute highest 1041.7 mbar on 12th December
Absolute lowest 975.1 mbar on 2nd Decemberl

[Difference from 1971-2000 average in brackets]

Wind.

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

Month	Mean speed	Windiest day		Highest gust		0.5 mph or less
	mph	mph	Date	mph	date/time	hours
January	9.1	19.2	7th	56	8/0717	13
February	6.7	16.1	12th	46	12/1145	24
March	6.3	13.1	16th	37	11/1426	26
April	5.9	13.2	6th	44	6/0923	31
May	7.0	12.1	13th	36	21/1545	24
June	5.6	11.2	4th	35	4/1311	34
July	5.6	9.4	19th	30	19/1207	30
August	4.7	8.6	24th	32	24/1154	62
September	5.0	9.4	26th	32	28/1519	34
October	5.2	12.8	25th	35	25/1135	27
November	5.5	14.4	3rd	46	24/1527	90
December	5.4	11.6	16th	38	16/1411	32
Year	6.0	19.2	7th January	56	8th January	427

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 030 NNE	060 ENE	090 E	120 ESE	150 SSE	180 S	210 SSW	240 WSW	270 W	300 WNW	330 NNW	360 N	Calm
January	28	5	4	6	35	33	162	179	75	38	67	110	2
February	84	40	21	19	18	57	58	76	21	30	113	134	1
March	99	57	41	19	31	55	133	71	55	50	91	41	1
April	33	66	41	19	49	95	148	97	56	25	44	44	3
May	76	71	24	3	11	119	183	83	53	37	48	33	3
June	56	110	31	11	21	76	137	126	54	25	26	41	6
July	76	55	18	15	12	63	159	102	58	47	58	72	9
August	37	26	15	16	17	55	116	117	74	62	116	72	21
September	55	36	44	24	20	111	206	93	42	13	14	61	1
October	37	54	54	44	107	179	106	74	12	18	20	35	4
November	29	10	2	0	11	123	203	102	42	66	96	20	16
December	49	8	4	9	53	75	119	142	72	48	73	88	4
Year	659	538	299	185	385	1041	1730	1262	614	459	766	751	71

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	72.7	7.8 on 23rd	8	12	6	5	0	0
February	57.6	7.6 on 19th	7	13	6	2	0	0
March	95.5	9.6 on 18th	6	13	5	6	1	0
April	127.5	9.8 on 2nd	2	11	7	8	2	0
May	193.3	14.7 on 15th	0	7	9	8	4	3
June	205.6	15.8 on 22nd	1	7	8	4	3	7
July	178.4	15.2 on 17th	2	11	7	2	2	7
August	230.6	13.8 on 8th	2	5	4	6	9	5
September	155.3	11.4 on 8th	2	8	6	8	6	0
October	98.9	9.0 on 9th	4	13	7	6	1	0
November	105.9	8.2 on 17th	4	12	4	10	0	0
December	88.3	7.2 on 17th	3	13	12	3	0	0
Year	1609.6	15.8	41	125	81	68	28	22

Appendix 2.

Monthly categories, quick look table

Month	Temperature Category	Rainfall Category	Sunshine Category	Index (see note 1)
January	5 Very mild	4 Dry	5 Very Sunny	14
February	3 Normal	4 Dry	2 Dull	9
March	4 Mild	3 Normal	2 Dull	9
April	4 Mild	3 Normal	2 Dull	9
May	3 Normal	4 Dry	3 Normal	10
June	5 Very warm	4 Dry	3 Normal	12
July	4 Warm	3 Normal	3 Normal	10
August	3 Normal	3 Normal	4 Sunny	10
September	5 Very warm	3 Normal	3 Normal	11
October	5 Very mild	3 Normal	3 Normal	11
November	3 Normal	4 Dry	5 Very Sunny	12
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.

Summary of notable features in 2005

January Very mild, dry, very sunny, windy at times. Mean temperature highest since 1993. Highest maximum is 6th highest since 1903. Lowest minimum is highest since 1994. Lowest maximum highest since 1990. Duration of air frost lowest since 1990. Highest daily rainfall 4th lowest in 102 years. Windiest since 1995.

February Dry and dull with below normal temperature. Coldest since 1996. Lowest minimum lowest since 1991. Driest since 1998. Highest daily rainfall 10th lowest in 102 years. Number of days with snow falling equal highest with 1991 since 1986.

March Mild and dull with near normal rainfall. Highest maximum highest since 1990. Highest minimum 5th highest in 93 years. Daily mean temperature on 17th highest for a March day in past 30 years.

April Mild, dull, above normal rainfall. Highest minimum a new record high for the past 93 years. Daily mean temperature on 30th is highest for April in past 30 years.

May Dry with near normal temperature and sunshine. 27th was the hottest May day since 1953, and 5th highest in 102 years. Duration of measurable rain lowest since before 1993. Notable very active lightning display overnight on 1st.

June Dry, very warm, above normal sunshine. 8th warmest June in 124 years. Highest maximum 10th highest in 102 years. Lowest minimum 8th lowest in same period. Highest minimum a new record high in past 93 years.

July Warm with rainfall and sunshine near normal. Mean minimum 10th highest in 124 years. Outstandingly sunny 10th to 17th, mean almost 13 hours per day.

August Sunny with near normal temperature and rainfall. Mean temperature lowest since 1993. Highest minimum lowest since 1976 and 6th lowest in 93 years. Mean earth temperature at 1 metre depth lowest since before 1989. A fall of notably large hail with diameter 2.5 cm on 25th, only the second occasion in the past 30 years with hail as large as this.

September Very warm. Rainfall and sunshine near normal. 4th warmest since 1882. Highest maximum is highest since 1973. Highest minimum is highest since 1949 and 2nd highest in 93 years. Daily mean temperature on 4th is highest since before 1976. Highest gust is equal lowest in past 18 years. Month's lowest pressure is highest since 1979.

October Very mild with rainfall and sunshine near normal. 2nd warmest since 1882. Lowest maximum equal 2nd highest in 93 years. Lowest minimum 4th highest in 102 years. Highest minimum equal highest in past 93 years. Only the 4th October in 85 years to have no ground frost. Highest gust is lowest in past 18 years.

November Dry with record high sunshine but below normal temperature. Mean minimum lowest since 1992. Highest maximum 7th highest in 102 years. Lowest minimum lowest since 1993. Air frost duration 2nd highest in 25 years. Rain duration lowest since before 1993. Probably sunniest since before 1908.

December Very sunny with temperature and rainfall below normal. Highest maximum and highest minimum both lowest since 1981. Probably 2nd sunniest in 98 years. Wind speed on the windiest day lowest in 19 years. Highest pressure is highest since 1991 and lowest pressure is lowest since 1989.

Year Very Mild. Very Dry. Sunny.

A very mild year once again, in the top 10% of ranked temperatures since 1882, along with all but two of the past 10 years, the two being 2001 and 1996. We are certainly seeing the local response to global warming. Compared with the long-term, this year's mean temperature is 1.2° above the 124 year median value. The highest temperature in 2005, 31.1°, is 0.7° above the median, while the lowest air temperature, -6.9°, is 0.9° above its median. The lowest maximum, 1.3°, is similarly 0.8° above the median, but the highest minimum, 18.8°, is 1.7° above the median and 9th highest in 93 years. The highest earth temperature at 1 metre depth, 17.5°, is equal lowest with 1998 since 1993. Extremes of monthly temperature anomalies were +2.9° for October and –1.2° for December.

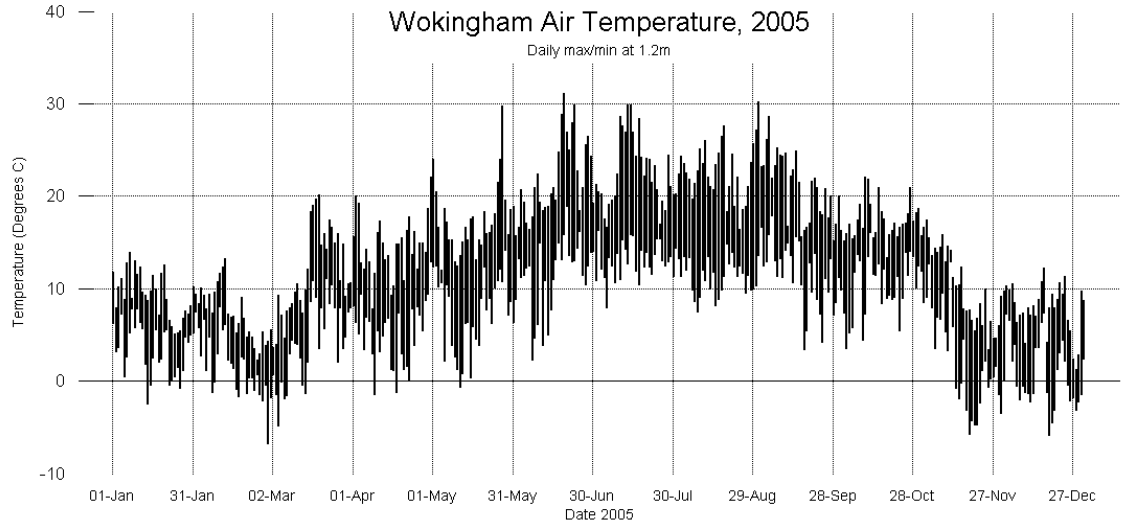
Rainfall during 2005 was well below average and lowest since 1990. The accumulated deficit for the year is 156 mm, bring the three year deficit to 306 mm, almost 6 month's worth of rain. However, the estimated maximum soil moisture deficit of 206 mm, reached in late September, is slightly below the 30 year average. For shallow rooted plants, regular watering was required between 4th June and 22nd October, with the period 4th to 29th July exposing unwatered plants to severe stress. Snow fell on 23 days, the most since 1986. However, unlike that year when there were 20 days with snow lying, in 2005 there were only 4, 2 in February, and 1 in March, all 1 cm depth, and 1 in December, <0.5 cm depth. Hail was slightly more frequent than average, although there were only two days with large hail (5 mm dia or more), 1 fewer than average. Nevertheless, the 2.5 cm dia hail that fell on the 25th August was a notable and rare event. Thunder was heard on 14 days, 2 fewer than average but most in the past 3 years.

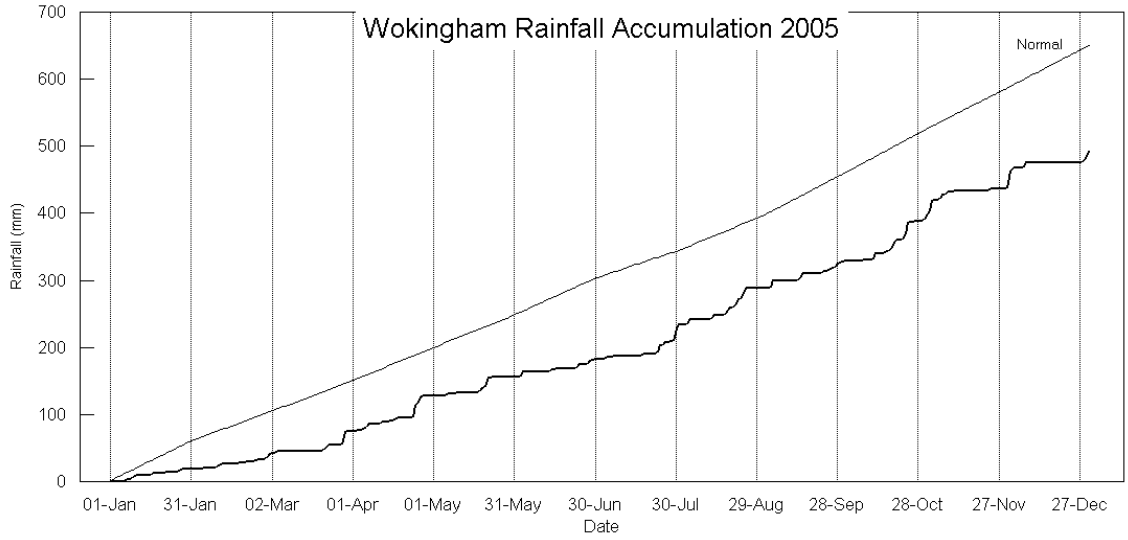
The sunshine total of 1610 hours is 2nd highest since 1999, but is 296 hours below the record breaking total in 2003.

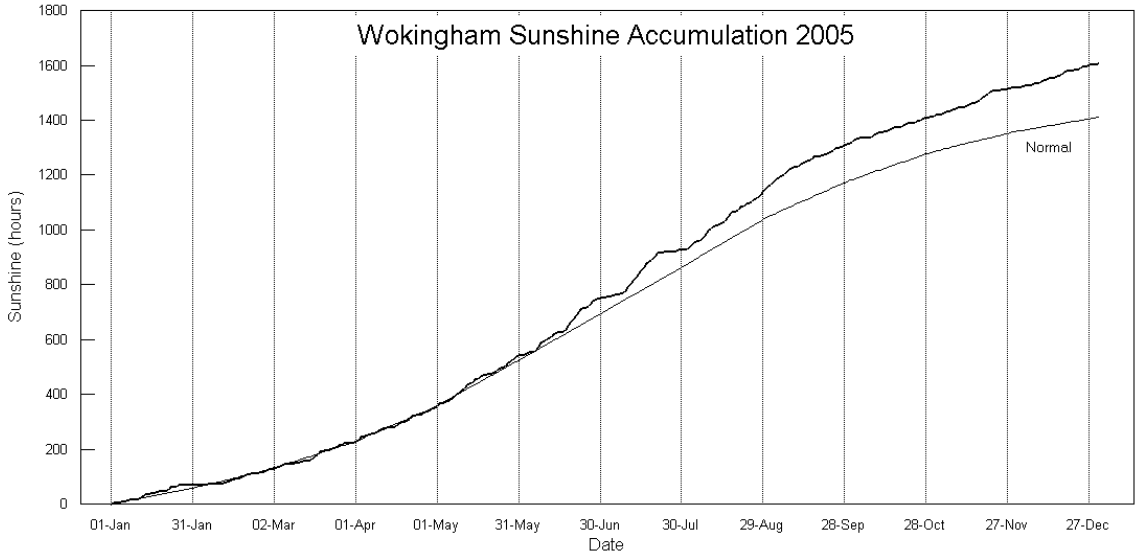
The annual mean wind speed for 2005 of 6.0 mph is equal lowest with 2003 in the past 18 years. The highest gust of 56 mph is 4 mph below average, but is highest since 2002. Northwest and North daily mean wind directions were more frequent than average, anomaly +24 days, at the expense of Northeast, anomaly –8 days, and South, anomaly –14 days, all other directions being near average.

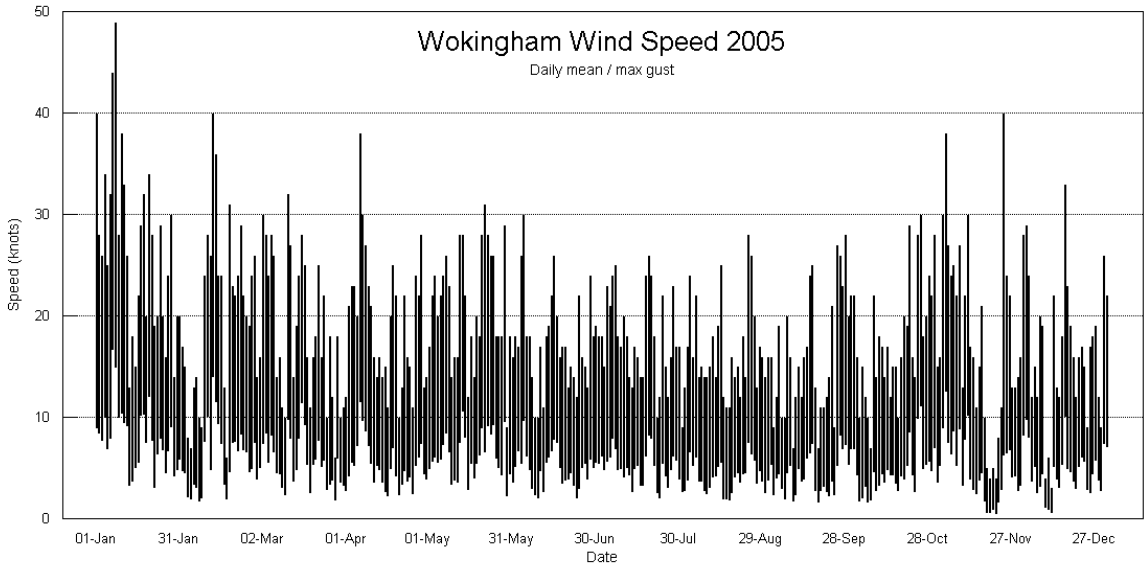
The overall mean relative humidity was 79.3 % and the lowest value recorded was 26 % on the 23rd June. The mean amount of water vapour per kg of air was 7.0 g at 0900 GMT and 6.8 g at 1500 GMT.

The overall mean air pressure at 0900 GMT is highest since before 1976, and the total range of pressure, 66.6 mbar, is slightly below average. Of interest, both the annual extreme pressure values occurred in the same month for the first time since 1978.


Wokingham Air Temperature, 2005
Daily max/min at 1.2m
Temperature (Degrees C)
40
30
20
10
0
-10
01-Jan
31-Jan
02-Mar
01-Apr
01-May
31-May
30-Jun
30-Jul
29-Aug
28-Sep
28-Oct
27-Nov
27-Dec
Date 2005


Wokingham Rainfall Accumulation 2005
Normal
Rainfall (mm)
700
600
500
400
300
200
100
0
01-Jan
31-Jan
02-Mar
01-Apr
01-May
31-May
30-Jun
30-Jul
29-Aug
28-Sep
28-Oct
27-Nov
27-Dec
Date


Wokingham Sunshine Accumulation 2005
Normal
Sunshine (hours)
1800
1600
1400
1200
1000
800
600
400
200
0
01-Jan
31-Jan
02-Mar
01-Apr
01-May
31-May
30-Jun
30-Jul
29-Aug
28-Sep
28-Oct
27-Nov
27-Dec
Date


Wokingham Wind Speed 2005
Daily mean / max gust
Speed (knots)
50
40
30
20
10
0
01-Jan
31-Jan
02-Mar
01-Apr
01-May
31-May
30-Jun
30-Jul
29-Aug
28-Sep
28-Oct
27-Nov
27-Dec
Date

Appendix 4.

Summary of observations at 0900 GMT

	Monthly means								Visibility statistics						
Month	Vis	Cld	TT	Td	RH	WS	WG	pp	TF	FO	VP	PO	MO	GO	EX
January	22.9	70	5.8	3.6	86	7.1	15	1022.6	0	0	0	4	12	13	2
February	18.4	76	4.0	1.9	86	5.6	11	1022.2	1	0	5	8	6	4	4
March	14.0	78	7.3	4.6	83	6.1	12	1016.8	0	1	7	9	7	5	2
April	19.7	78	10.2	6.6	79	6.3	13	1013.9	0	0	7	5	7	8	3
May	30.8	74	13.0	7.7	71	7.6	15	1016.9	0	0	0	5	4	15	7
June	32.1	71	17.5	11.9	71	5.8	12	1019.3	0	0	2	3	5	13	7
July	31.2	74	18.2	13.1	73	5.7	12	1015.9	0	0	2	5	6	8	10
August	31.7	60	17.7	13.1	75	5.0	10	1018.9	0	0	1	7	5	7	11
September	22.8	74	16.0	13.0	83	4.7	9	1018.9	0	1	4	6	5	10	4
October	16.4	79	13.4	12.0	91	4.7	10	1015.1	0	2	5	8	9	4	3
November	17.2	71	5.5	4.1	91	4.8	10	1016.8	0	2	5	8	6	7	2
December	18.0	76	3.8	2.6	92	4.7	10	1018.4	2	1	3	9	5	9	2
Year	23.0	74	11.1	7.9	82	5.7	12	1017.9	3	7	41	77	77	103	57

Summary of observations at 1500 GMT

	Monthly means								Visibility statistics						
Month	Vis	Cld	TT	Td	RH	WS	WG	pp	TF	FO	VP	PO	MO	GO	EX
January	26.8	79	8.5	4.4	76	8.9	20	1021.5	0	0	2	2	7	16	4
February	24.2	76	6.6	1.5	71	6.8	15	1021.2	0	0	3	8	3	8	6
March	23.2	80	10.9	4.1	65	7.2	15	1016.0	0	0	4	2	8	12	5
April	35.3	76	13.7	5.4	59	7.2	16	1013.1	0	0	0	3	6	9	12
May	38.5	68	16.3	6.2	53	8.6	18	1016.4	0	0	0	0	3	14	14
June	37.6	78	20.7	11.5	58	6.7	15	1018.2	0	0	0	2	3	12	13
July	34.7	69	21.4	12.7	60	6.9	15	1015.3	0	0	1	2	5	14	9
August	38.8	64	21.4	11.3	55	6.3	14	1017.8	0	0	1	3	1	10	16
September	38.3	74	20.1	12.3	62	5.9	13	1017.6	0	0	0	1	4	12	13
October	24.5	76	16.3	11.0	72	6.3	14	1014.1	0	0	1	8	6	13	3
November	27.0	71	9.4	5.2	76	6.2	14	1015.8	0	0	1	4	8	12	5
December	27.0	68	6.6	2.9	78	5.4	13	1017.8	0	1	1	4	9	9	7
Year	31.3	73	14.4	7.4	65	6.9	15	1017.0	0	1	14	39	63	141	107

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 2005

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	9.4	3.3	6.3	+1.8	20.5	0.1	6.5	8.3	72.7	21.0	1022.6	5	17	3	0	0	0	0	0	249	4.6	7.9	28.7
February	7.3	1.5	4.4	-0.2	14.8	-1.4	6.2	7.8	57.6	61.2	1022.2	10	21	10	2	0	0	3	1	336	2.5	5.8	24.0
March	11.6	3.9	7.8	+1.0	41.8	0.6	6.9	7.3	95.5	39.5	1016.8	8	16	6	1	0	0	1	1	280	0.9	5.5	40.4
April	14.6	5.0	9.8	+1.2	51.8	1.2	10.4	9.7	127.5	12.5	1014.0	2	13	1	0	2	0	3	0	224	2.0	5.1	39.2
May	17.4	7.2	12.3	+0.3	28.2	3.7	13.2	11.9	193.3	1.3	1016.9	1	8	0	0	1	0	3	0	229	1.7	6.1	16.2
June	21.9	11.4	16.6	+1.6	26.1	8.4	16.6	14.3	205.6	0.0	1019.3	0	1	0	0	3	0	0	0	233	1.5	4.9	15.8
July	22.6	12.9	17.7	+0.3	52.6	10.0	18.1	16.5	178.4	0.0	1015.9	0	0	0	0	1	0	0	0	263	1.5	4.9	34.9
August	22.8	11.2	17.0	-0.1	54.3	7.8	18.0	17.0	230.6	0.0	1018.9	0	0	0	0	2	2	0	0	273	2.0	4.1	28.6
September	21.0	11.4	16.2	+1.9	38.6	8.2	17.3	17.0	155.3	0.0	1018.9	0	1	0	0	3	0	0	1	224	1.8	4.3	20.4
October	17.4	10.1	13.7	+2.9	68.0	6.8	14.5	15.3	98.9	0.0	1015.1	0	0	0	0	2	0	0	2	189	2.1	4.5	55.9
November	10.3	2.2	6.2	-0.9	41.1	-0.6	9.7	12.8	105.9	118.2	1016.8	12	17	0	0	0	0	1	2	236	2.9	4.8	26.5
December	7.8	0.5	4.2	-1.2	54.6	-2.5	5.8	8.8	88.3	134.5	1018.4	17	21	3	1	0	0	1	3	245	1.8	4.7	40.0
Year	15.4	6.7	11.1	+0.8	492.4	3.5	12.0	12.2	1609.6	388.2	1018.0	55	115	23	4	14	2	12	10	246	1.8	5.2	370.6

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	Gf	Sf	Sl	Th	Ha	Ic	Fg	ddd	ff	sp
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	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

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	+61
1930	14.2	5.3	9.8	-0.5	636	-15	1599	+72
1940	14.4	5.5	10.0	-0.3	641	-10	1527	0
1950	14.6	5.7	10.2	-0.1	616	-35	1572	+45
1960	14.1	5.7	9.9	-0.4	678	+27	1500	-27
1970	13.7	5.7	9.7	-0.6	686	+35	1487	-40
1980	14.0	5.8	9.9	-0.4	655	+4	1538	+11
1990	14.4	6.1	10.3	0.0	639	-12	1554	+27
2000	14.9	6.6	10.8	+0.5	660	+9	1569	+42

Anom = difference from current 1971 to 2000 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	1906 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	
	Year	Deg C	Year	Deg C	Year	mm	Year	mm	Year	Mean	Year	Mean
1	2002	11.4	1887	8.4	1903	952	1921	337	2003	5.2	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	2004	11.2	1963	8.7	2002	853	1947	491	1949	5.0	1912	3.8
6	2003	11.2	1885	8.8	1916	842	2005	492	1929	5.0	1931	3.8
7	1997	11.2	1919	8.8	1974	837	1996	508	1921	5.0	1936	3.8
8	1995	11.2	1886	8.9	1915	815	1933	509	1959	4.9	1960	3.8
9	2005	11.1	1917	8.9	1927	814	1898	510	1933	4.9	1966	3.8
10	1998	11.1	1962	8.9	1968	793	1938	511	1995	4.8	1993	3.8

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