

WOKINGHAM METEOROLOGICAL DATA

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

Altitude 45 m ASL. Emmbrook, Wokingham, Berkshire.

Annual Summary 2011

Temperature

	°C	°F	Anom	Rank in 130 years
Mean maximum	15.9	60.6	(+1.0)	2nd highest (joint)
Mean minimum	7.0	44.6	(+0.5)	6th highest
Daily mean	11.5	52.7	(+0.8)	2nd highest
Highest maximum	28.6	83.5		on 27th June
Lowest maximum	1.3	34.3		on 29th January
Highest minimum	16.2	61.2		on 2nd August
Lowest minimum	-5.6	21.9		on 8th March
Mean grass minimum	3.9	39.0	(+0.5)	
Lowest grass minimum	-10.4	13.3		on 8th March
Mean 30cm earth temp.	12.3	54.1	(+0.5)	
Highest 30cm	19.7	67.5		on 4th August
Lowest 30cm	3.3	37.9		on 1st February
Mean 100cm earth temp	12.6	54.7		
Highest 100cm	17.6	63.7		8th August
Lowest 100cm	6.4	43.5		on 1st January
Warmest month	August,		daily mean 16.5°C,	61.7°F
Coollest month	January,		daily mean 4.3°C,	39.7°F

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

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

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	87	103
-10.0 to - 5.1	0	2	15.0 to 19.9	131	10
-5.0 to -0.1	0	34	20.0 to 24.9	70	0
0.0 to 4.9	12	91	25.0 to 29.9	19	0
5.0 to 9.9	46	125	30.0 to 34.9	0	0

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

	Jan	Feb	Mar	Apr	May	Jun	
Air frost	13 (+3)	4 (-6)	9 (+3)	0 (-4)	1 (0)	0 (0)	
Ground frost	18 (0)	14 (-3)	18 (+2)	8 (-6)	6 (+1)	1 (0)	
	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Air frost	0 (0)	0 (0)	0 (0)	2 (0)	1 (-5)	6 (-5)	36 (-13)
Ground frost	0 (0)	0 (0)	0 (-2)	8 (+1)	6 (-7)	17 (+1)	96 (-12)

Date of: last spring air frost, 4th May ground frost, 1st June
 first autumn air frost, 15th October ground frost, 14th October
 Frost free period, air 163 days, ground 134 days.
 Annual total of air frost duration: 193.8 hours (-203.8)
 Frostiest month January, 97.6 hours

[Difference from 1981-2010 average in brackets]

Temperature anomaly in deg C

Rainfall.

Total 589.4 mm 23.20 inches (91 %) 43rd lowest in 130 years

Number of : Rain days 147 (-14) Wet days 99 (-14) Days => 5mm 36 (-9)

A rain day has at least 0.2 mm

A wet day has at least 1.0 mm

Highest daily fall to 9am: 61.6 mm on 18th August

Wettest month, August 118.9 mm 236 % of average
Driest month, April 1.4 mm 3 % of average

Duration of measurable rainfall; 417.8 hours * Longest in a day; 15.6 hours on 5th June
Highest monthly duration; 60.5 hours in February Lowest ; 3.5 hours in April

Number of dry spells, (5 or more consecutive dry days): 15
Longest dry spell; 31 days 5th April to 5th May
Total number of : Dry days, 218 (+14) Days in dry spells, 142

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

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

(See note 2, page 4)

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

Rate mm/hr	Days	Rate mm/hr	Days
<10	114	50 to 100	10
10 to 25	16	100 to 250	3
25 to 50	18	>250	0
Highest rate	123 mm/hr on the 26th May		

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

Hours	Days	Hours	Days	Hours	Days
0	199	6.1 to 9.0	12	18.1 to 21.0	0
0.1 to 1.0	63	9.1 to 12.0	4	21.1 to 24.0	0
1.1 to 3.0	59	12.1 to 15.0	1	Missing *	2
3.1 to 6.0	24	15.1 to 18.0	1	*Not available due to snow/ice	

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

Fall, mm	Days	Fall, mm	Days
0.0 to 0.1	218	10.0 to 19.9	9
0.2 to 0.9	48	20.0 to 29.9	1
1.0 to 4.9	63	30.0 to 39.9	1
5.0 to 9.9	24	> 39.9	1

Sunshine.

(Recorded on an electronic sunshine detector)

Total 1638.7 hours Daily mean 4.49 hours (105%)

Sunniest day 15.1 hours on 3rd June
Number of days: Nil sun 53 (-4) =>12 hrs 21

Weather.

Number of days with:

Snow or sleet falling; 5 (-10)
Snow lying at 0900 GMT; 0 (-6)
Thunder heard; 10 (-6)
Hail; 3 (-9) =>5mm; 0 (-3) <5mm, 3 (-6)
Fog at 0900 GMT; 8 (-3)

Air Pressure,

corrected to MSL.

Mean at 0900 GMT 1016.6 mabr (+0.6)
Absolute highest 1042.3 mbar on 23rd March
Absolute lowest 980.6 mbar on 16th December

[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	6.9	14.6	15th	40	15/1143	11.3
February	7.7	16.7	4th	43	3/2301	2.2
March	6.0	13.2	10th	39	10/1210	23.5
April	5.9	10.7	5th	31	4/1432	16.8
May	7.6	11.9	22nd	40	23/1109	3.3
June	6.8	10.7	18th	32	21/1411	4.1
July	5.8	10.8	6th	38	8/1255	13.4
August	5.8	9.4	11th	33	7/1510	12.3
September	6.9	14.6	12th	38	12/1211	15.0
October	6.8	14.0	10th	46	6/1424	18.7
November	6.0	13.1	29th	38	29/1338	9.4
December	8.9	13.9	13th	46	8/1625	1.2
Year	6.7	16.7	4th February	46	6th Oct/8th Dec	131.2

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	75	116	69	8	6	6	52	137	121	62	33	59
February	19	26	38	43	49	29	75	170	151	37	24	11
March	34	143	209	31	13	15	36	108	97	30	13	15
April	46	178	95	34	6	8	43	132	95	34	27	22
May	3	11	60	26	19	27	60	160	194	124	51	9
June	30	75	23	8	7	18	54	177	151	124	34	19
July	108	114	29	11	7	7	47	167	114	40	34	66
August	18	60	25	19	13	16	42	179	208	109	35	20
September	1	20	28	30	11	26	78	218	246	52	7	3
October	9	13	23	32	56	56	92	131	185	114	28	5
November	39	41	95	127	51	66	83	102	80	16	10	10
December	2	4	2	2	4	2	13	165	346	154	38	12
Year	384	801	696	371	242	276	675	1846	1988	896	334	251

Appendix 1.

Monthly statistics from the electronic sunshine detector, 2011.

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	49.7	7.5 on 9th	13	12	3	3	0	0
February	44.0	8.9 on 8th	13	8	5	2	0	0
March	142.7	11.6 on 23rd	3	8	10	5	5	0
April	231.8	13.5 on 22nd	2	4	5	3	9	7
May	213.7	14.1 on 2nd	0	11	5	2	6	7
June	177.8	15.1 on 3rd	1	8	6	9	3	3
July	171.0	12.9 on 25th	1	9	6	8	3	4
August	145.6	10.5 on 22nd	3	9	6	9	4	0
September	161.0	11.3 on 14th	2	9	6	5	8	0
October	154.2	11.0 on 1st	1	10	6	8	6	0
November	69.8	7.0 on 25th	7	11	9	3	0	0
December	77.4	6.5 on 10th	7	11	10	3	0	0
Year	1638.7	15.1	53	110	77	60	44	21

Appendix 2.

Monthly categories, quick look table, 2011.

Month	Temperature Category	Rainfall Category	Sunshine Category	Index	(see note 1)
January	3 Normal	2 Wet	3 Normal	8	
February	5 Very mild	3 Normal	1 Very dull	9	
March	4 Mild	5 Very dry	4 Sunny	13	
April	5 Very mild	5 Very dry	5 Very sunny	15	
May	4 Warm	4 Dry	3 Normal	11	
June	3 Normal	2 Wet	2 Dull	7	
July	3 Normal	3 Normal	3 Normal	9	
August	3 Normal	1 Very wet	1 Very dull	5	
September	5 Very mild	3 Normal	4 Sunny	12	
October	5 Very mild	4 Dry	5 Very sunny	14	
November	5 Very mild	3 Normal	3 Normal	11	
December	4 Mild	2 Wet	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 for sunshine since 1908.

Appendix 3

Summary of notable features in 2011.

January Below average temperature and sunshine, above average rainfall. Mean temperature 3.7° higher than December's but is 0.5° below average. The first 20 days saw nearly twice the average rainfall, but the final 10 days were dry. Sunshine was below normal throughout.

February Very mild, very dull, rainfall near normal. Mildest since 2002. Mean min 7th highest in 130 years. Number of air frosts equal lowest with 2002 since 1995. Rainfall below average for the first 10 days, then a little above. Exceptionally dull, sunshine total lowest since 1976 and 7th lowest in 104 years. Most sunless days since 1979.

March Very dry, sunny with mean temperature near average. Mean max 1.3° above average while mean min is 1.3° below. The resulting mean daily range is 2nd highest in 36 years. Driest since 1990 and 11th driest in 130 years. Two 11 day dry spells in the month. Mean wind speed is lowest since before 1988.

April Record warmth, very dry, very sunny. An April for the record books. Both the mean max and daily mean are new records for the past 130 years, 1.0° above the previous highest in 2007. Highest max equal highest with 1949 in 108 years and lowest max is 1.7° above the previous highest in 1942. Lowest min 2nd highest after 1961 in 108 years. Lowest grass min is highest since before 1980. Remarkably dry, 3rd driest in 130 years. Most dry days in 107 years. One of the sunniest Aprils in the past century

May Warm and dry with above normal sunshine. The lowest max is highest since 1940. The 3rd consecutive month with a deficit of rainfall. Number of dry days 6 above average and equal highest since 1991. A 31 day dry spell ended on the 5th. Sunniest since 1998. relative humidity fell to 15% on the 3rd, the lowest value for any month since before 2000.

June Dull and wet with below normal temperature. Equal coolest with 1999 since 1990. 2nd wettest June since 1999. Rainfall duration highest since 1998. Less sunshine than in either April or May.

July Temperature, sunshine and rainfall all below normal. Coolest July for over 10 years, with the mean min lowest since 1980. Highest min 6th lowest in 99 years. Mean grass min lowest since 1984. There was a good deal of dry weather with 3 dry spells. Sunshine well below normal for the 3rd July in a row.

August Very wet with a new record 24 hour rainfall. Very dull with below average temperature. The lowest max is lowest since 1986. Well over twice the average rainfall and wettest since 1977 and 6th wettest in 130 years. 61.6 mm fell on the 18th, a new local record for an August day. This is also the 3rd highest daily fall at any time in the past 107 years. Some local flooding was reported. Sunshine was 25% below normal, with the month's highest daily value lowest since before 1979.

September Sunny and very warm with below normal rainfall. One of the 5 mildest Septembers in the past 36 years. Mean daily sunshine 0.67 hours more than in August this year.

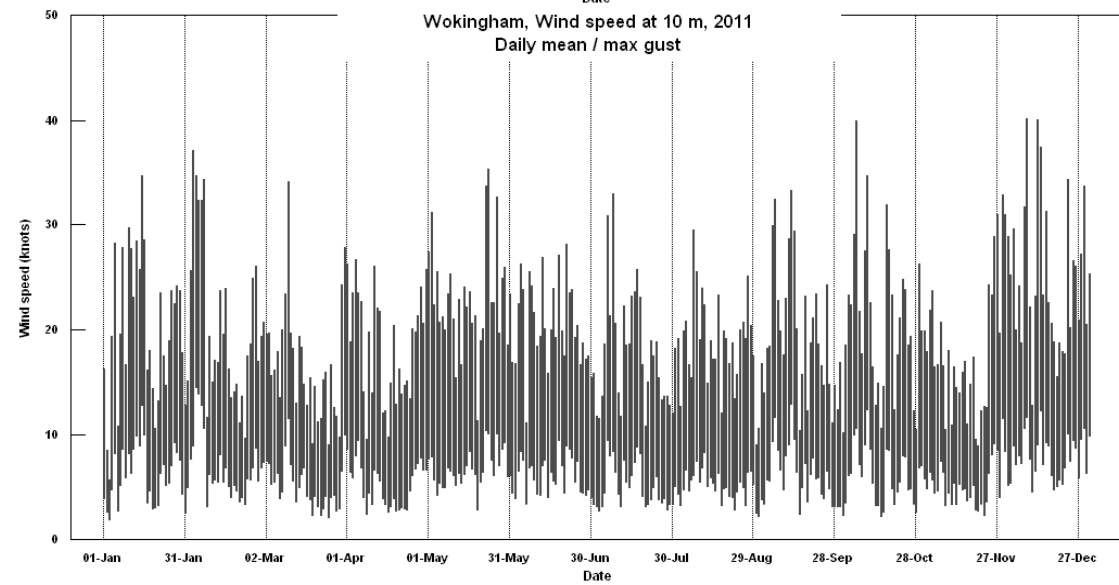
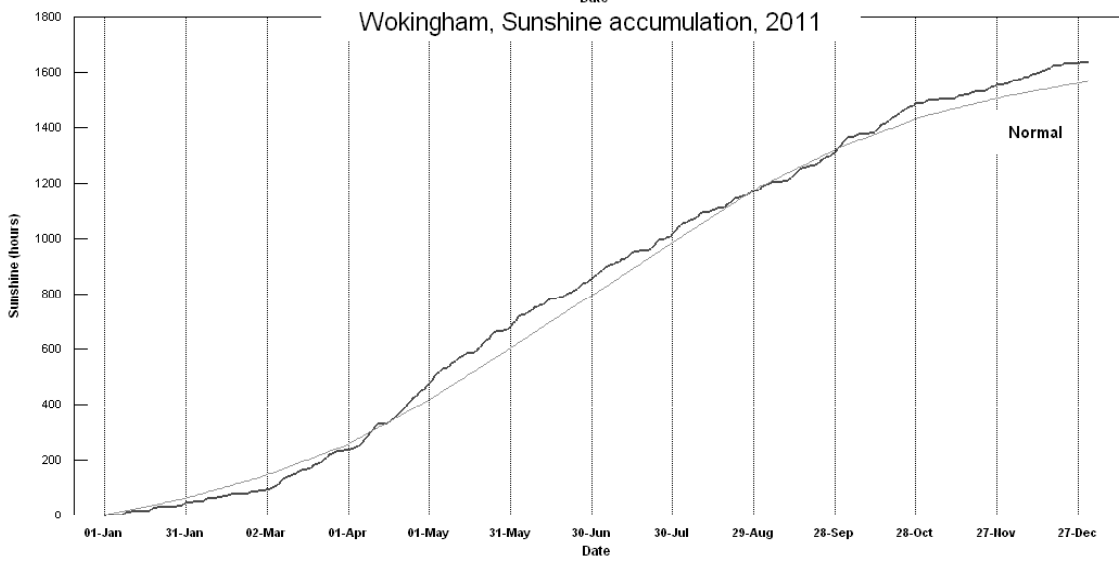
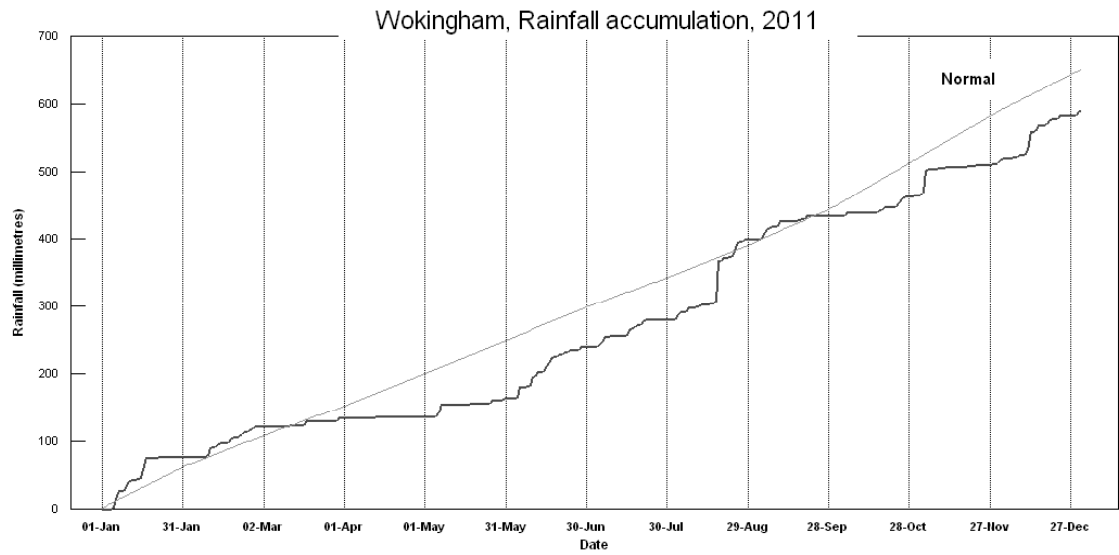
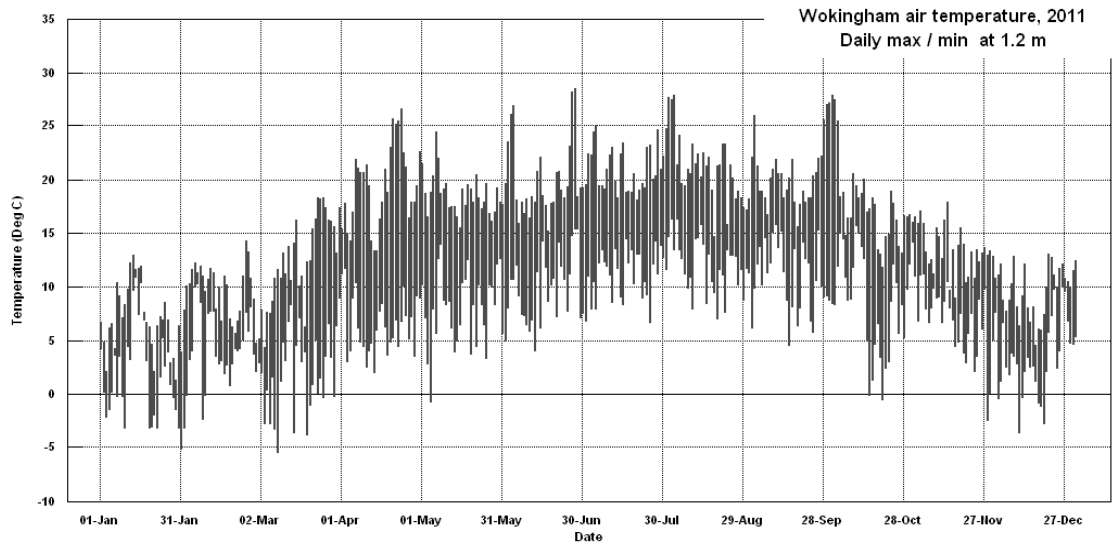
October Very mild and very sunny. Dry. Mean maximum highest since 1995 and 3rd highest in 130 years. The highest max, 28.0°, is 2nd highest in 108 years and highest since 1921. Highest min is 5th highest in 99 years. A temperature range of 19.6° on the 1st is highest for October since before 1976. Driest since 1995. 6.1 mm on the wettest day is lowest for the month since 1978. One of the 7 sunniest Octobers in the past 104 years

November Very mild with below normal rainfall and above normal sunshine. Another record breaking month with a record high mean maximum, 0.3° above the previous highest in 1994. Both the mean min and daily mean are 2nd highest in 130 years. Lowest max is 2nd highest in 99 years. Mean grass min is highest since 1994. 38.3 mm of rain fell on the 3rd making it the 3rd wettest November day in 108 years, and wettest since 1951.

December Mild, wet, very sunny and quite windy. Very few cold days and a prolonged mild spell from the 20th. The mean max is highest since 1994 and 9th highest in 130 years. Lowest max is 6th highest in 99 years. Air frost duration only 23% of average. Rainfall 19% above average. 27.2 mm fell on the 12th giving the highest fall for a December day since 1995, and 6th highest in 108 years. Although in the sunniest 10% of Decembers, 3 since 2005 have been sunnier. Windiest since 1999.

Year **Very mild, Dry, Sunny.**

Another year when records fell for highest monthly temperatures. The resulting overall mean temperature makes this the 2nd warmest year in the past 130, 0.2° below the record set in 2006. The mean maximum ranks joint 2nd highest in the same period, along with 2006, 1990 and 1989, and 0.2° below the record set in 2003. The mean minimum ranks joint 6th highest, 0.6° below the record set in 2006. All 13 years comprising the warmest 10% in the past 130 have occurred since 1988, as opposed to an expected 2 or 3 had there been no change in climate. There was an absence of any really hot weather this year, and the highest max is 1.7° below the median, while the lowest max is 1.8° above its median. The highest min is 0.9° below the median but the lowest min is 2.2° above the median and highest since 1998, all indicating that extreme values were less extreme than normal. The lowest grass min is also highest since 1998. Mean earth temperatures at 30cm and 1 m depth are both about 0.5° above average. Air frost duration is only 49% of average, and there were 13 fewer ground frosts than average. Rainfall, while 9% below average, is higher than in 2010, but lower than in all other years back to 2005. This year's highest daily fall is 3rd highest in 108 years, and highest since 1992, while the record under challenge is 71.6 mm in 1980. Spring was exceptionally dry with only 12.6 mm for March and April combined, and in the 77 day period ending on the 16th May there were 70 dry days. Rainfall duration is 87.9 hours less than average. Soil moisture was low in the spring but recovered somewhat in the summer. An index of estimated soil moisture deficit gave a value of 308 for spring, which ranks 2nd highest after 1997 since 1976, while the value of 654 in summer is very close to average. Hail was infrequent this year, the total of 3 days being lowest since 1964. Large hail was completely absent for only the 3rd year in the past 35. Thunder was also infrequent with 6 fewer days than average, but 2 more than in 2010. The number of days with snow falling is fewest since 2002, and for the first time since 2002 there were no days with snow lying. This has been a sunnier year than average, but the total was surpassed in 2009, 2007, 2006 and 2003 in the past 10 years. Unusually, April was the sunniest month, and October was sunnier than August this year. The overall mean wind speed of 6.7 mph is close to average and highest since 2008. The year's highest gust of 46 mph is 13 mph below average and lowest since 2003. Compared with average, SWly winds were 10.1% more frequent at the expense of all other directions, but chiefly NWly, 4.1% down, Wly 1.9% down and Sly 1.3% down. The duration of calm is lowest in the past 6 years. The mean relative humidity was 77.9% and the lowest value was 15% on the 3rd May, lowest for any time since before 2000. Mean water vapour content per kg of air was 6.8g at 0900 and 6.5 g at 1500 GMT. The total span of air pressure was 61.7 mbar, 8.0 mbar less than average.



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	15.4	79	4.1	2.4	89	6.2	12	1018.6	0	1	4	11	7	6	2
February	10.5	88	6.7	5.0	89	7.0	14	1014.6	0	1	7	10	7	3	0
March	8.6	78	6.4	3.9	84	5.4	11	1023.1	0	1	6	15	8	1	0
April	17.4	58	12.9	6.9	68	5.7	11	1020.3	0	0	5	8	9	6	2
May	30.0	69	14.4	7.1	62	7.5	17	1018.2	0	0	0	1	7	16	7
June	33.1	70	16.0	9.9	68	6.2	14	1015.7	0	0	0	1	7	14	8
July	29.0	64	16.7	10.2	67	5.8	13	1013.6	0	0	1	3	7	15	5
August	32.1	78	16.7	11.8	74	5.0	12	1013.5	0	0	0	3	5	14	9
September	18.2	70	16.3	13.2	82	6.5	14	1013.8	0	0	1	9	11	8	1
October	20.9	70	12.8	9.9	83	5.8	12	1017.9	0	1	1	8	10	7	4
November	9.1	83	9.5	8.3	92	5.0	11	1017.3	1	3	9	9	4	4	0
December	35.5	67	6.1	3.5	83	7.5	15	1012.7	0	0	0	4	5	10	12
Year	20.9	73	11.6	7.7	79	6.1	13	1016.6	1	7	34	82	87	104	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	18.5	79	6.0	2.7	80	6.7	15	1018.3	0	0	0	10	10	11	0
February	16.8	88	8.8	5.2	79	7.4	16	1013.7	0	0	3	9	7	8	1
March	19.2	65	11.5	3.7	60	6.8	15	1021.7	0	0	3	11	8	6	3
April	24.4	63	18.3	6.1	47	7.1	16	1018.5	0	0	0	3	13	11	3
May	34.8	73	17.9	5.6	48	8.9	20	1017.5	0	0	0	3	2	15	11
June	34.3	77	18.6	9.7	58	8.1	18	1014.9	0	0	1	1	4	15	9
July	32.1	83	19.6	9.7	54	6.5	15	1012.8	0	0	0	4	4	17	6
August	37.2	79	19.8	10.6	57	6.9	15	1012.7	0	0	1	3	1	15	11
September	29.6	65	19.3	11.3	61	7.2	17	1013.1	0	0	0	2	5	19	4
October	27.9	60	16.3	9.1	64	7.6	18	1016.5	0	0	0	2	7	18	4
November	18.0	77	11.9	8.5	80	6.2	14	1016.3	0	0	3	11	3	12	1
December	30.2	71	8.1	3.8	75	8.4	18	1012.0	0	0	0	4	4	17	6
Year	27.0	73	14.6	7.2	64	7.3	16	1015.7	0	0	11	63	68	164	59

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 2011

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	7.0	1.6	4.3	-0.5	77.8	-1.0	5.2	7.0	49.7	97.6	1018.6	13	18	4	0	1	0	1	1	253	1.3	6.0	59.7
February	9.8	4.1	6.9	+2.0	45.1	1.1	6.3	7.5	44.0	10.1	1014.6	4	14	0	0	0	0	0	1	212	3.9	6.7	60.5
March	12.5	1.9	7.2	0.0	11.4	-0.9	7.3	8.0	142.7	52.6	1023.1	9	18	0	0	0	0	0	1	38	0.7	5.2	12.7
April	19.5	6.3	12.9	+3.7	1.4	2.3	11.9	10.7	231.8	0.0	1020.3	0	8	0	0	1	0	0	0	301	0.5	5.1	3.5
May	18.6	7.8	13.2	+0.7	29.0	4.6	14.3	13.2	213.7	0.6	1018.2	1	6	0	0	1	0	0	0	229	3.9	6.6	19.6
June	20.1	9.6	14.8	-0.7	76.2	6.8	16.3	14.8	177.8	0.0	1015.7	0	1	0	0	1	0	0	0	236	3.0	5.9	57.5
July	21.1	11.0	16.1	-1.6	39.6	8.0	17.9	16.5	171.0	0.0	1013.6	0	0	0	0	2	0	0	0	253	1.8	5.0	24.4
August	21.0	11.9	16.5	-1.0	118.9	8.9	18.1	17.2	145.6	0.0	1013.5	0	0	0	0	3	0	0	0	236	3.2	5.0	42.1
September	20.5	10.8	15.7	+1.0	36.2	8.0	16.7	16.8	161.0	0.0	1013.8	0	0	0	0	0	0	0	0	220	4.9	6.0	26.0
October	17.7	8.6	13.1	+1.9	30.9	5.2	14.2	15.5	154.2	0.9	1017.9	2	8	0	0	0	0	1	1	220	3.8	5.9	26.2
November	13.5	6.6	10.1	+2.6	48.1	3.9	11.8	13.6	69.8	9.2	1017.3	1	6	0	0	1	0	0	4	163	1.6	5.2	26.9
December	9.8	3.3	6.5	+1.5	74.8	-0.3	7.4	10.2	77.4	22.8	1012.7	6	17	1	0	0	0	1	0	238	6.8	7.7	58.7
Year	15.9	7.0	11.5	+0.8	589.4	3.9	12.3	12.6	1638.7	193.8	1016.6	36	96	5	0	10	0	3	8	229	2.7	5.8	417.8

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				
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
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

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.

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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	2011	11.5	1888	8.5	1951	887	1990	459	1990	5.1	1932	3.7
3	2002	11.4	1892	8.5	2000	872	1902	477	1989	5.1	1968	3.7
4	1999	11.3	1891	8.7	1960	857	1887	487	1911	5.1	1981	3.7
5	1990	11.3	1963	8.7	2002	853	1947	491	1949	5.0	1912	3.8
6	1989	11.3	1885	8.8	1916	842	2005	492	1929	5.0	1931	3.8
7	2007	11.2	1919	8.8	1974	837	1996	508	1921	5.0	1936	3.8
8	2004	11.2	1886	8.9	1915	815	1933	509	1959	4.9	1960	3.8
9	2003	11.2	1917	8.9	1927	814	1898	510	1933	4.9	1966	3.8
10	1997	11.2	1962	8.9	1968	793	1938	511	1995	4.8	1993	3.8

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