

# WOKINGHAM METEOROLOGICAL DATA

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

Altitude 45 m ASL.

Emmbrook,

Wokingham,

Berkshire.

## Annual

## Summary

## 2012

### Temperature

	°C	°F	Anom	Rank in 131 years
Mean maximum	14.8	58.6	(-0.1)	32nd highest
Mean minimum	6.1	43.0	(-0.4)	29th highest
Daily mean	10.5	50.9	(-0.2)	26th highest
Highest maximum	29.6	85.3		on 25th July
Lowest maximum	-1.7	28.9		on 12th December
Highest minimum	16.7	62.1		on 17th August
Lowest minimum	-11.4	11.5		on 11th February
Mean grass minimum	3.0	37.4	(-0.4)	
Lowest grass minimum	-17.1	1.2		on 11th February
Mean 30cm earth temp.	11.7	53.1	(-0.1)	
Highest 30cm	20.8	69.4		on 27th July
Lowest 30cm	2.6	36.7		on 13th February
Mean 100cm earth temp	12.0	53.6		
Highest 100cm	18.2	64.8		23rd August
Lowest 100cm	5.8	42.4		on 15th February
Warmest month	August,		daily mean 17.7 °C,	63.9 °F
Coollest month	February,		daily mean 4.1 °C,	39.4 °F

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

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

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	131	99
-10.0 to - 5.1	0	12	15.0 to 19.9	95	8
-5.0 to -0.1	1	44	20.0 to 24.9	51	0
0.0 to 4.9	17	89	25.0 to 29.9	21	0
5.0 to 9.9	50	113	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	10 (0)	16 (+6)	4 (-2)	7 (+3)	0 (-1)	0 (0)	
Ground frost	16 (-2)	16 (-1)	24 (+8)	15 (+1)	5 (0)	0 (-1)	
	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Air frost	0 (0)	0 (0)	0 (0)	2 (0)	8 (+2)	10 (-1)	57 (+8)
Ground frost	0 (0)	1 (+1)	5 (+3)	9 (+2)	16 (+3)	18 (+2)	125 (+17)

Date of: last spring air frost, 15th April ground frost, 16th May  
 first autumn air frost, 14th October ground frost, 31st August  
 Frost free period, air 180 days, ground 106 days.  
 Annual total of air frost duration: 474.7 hours (+84.6)  
 Frostiest month February, 172.9 hours

[Difference from 1981-2010 average in brackets]

Temperature anomaly in deg C

**Rainfall.**

Total **807.1** mm 31.78 inches (124 %) 10th highest in 131 years

Number of : Rain days 177 (+16) Wet days 127 (+14) Days => 5mm 62 (+18)

A rain day has at least 0.2 mm

A wet day has at least 1.0 mm

Highest daily fall to 9am: 26.0 mm on 10th June

Wettest month, June 124.2 mm 252 % of average  
Driest month, March 16.8 mm 37 % of average

Duration of measurable rainfall; 622.2 hours Longest in a day; 17.9 hours on 19th December  
Highest monthly duration; 91.3 hours in April Lowest ; 14.3 hours in August

Number of dry spells, (5 or more consecutive dry days): 12  
Longest dry spell; 16 days, 18th March to 2nd April  
Total number of : Dry days, 189 (-16) Days in dry spells, 101

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

Category	Month
1. Very wet	Apr, Jun, Dec
2. Wet	Jul, Oct, Nov
3. Normal	Sep
4. Dry	Jan, Feb, Mar, May, Aug
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	119	50 to 100	7
10 to 25	22	100 to 250	5
25 to 50	15	>250	0

Highest rate 241 mm/hr on the 3rd January

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

Hours	Days	Hours	Days	Hours	Days
0	173	6.1 to 9.0	20	18.1 to 21.0	0
0.1 to 1.0	69	9.1 to 12.0	5	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	43	15.1 to 18.0	3	*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	189	10.0 to 19.9	26
0.2 to 0.9	50	20.0 to 29.9	2
1.0 to 4.9	65	30.0 to 39.9	0
5.0 to 9.9	34	> 39.9	0

**Sunshine.**

(Recorded on an electronic sunshine detector)

Total **1563.7** hours Daily mean **4.27** hours (100%)

Sunniest day 15.3 hours on 23rd July

Number of days: Nil sun 51 (-6) =>12 hrs 22

**Weather.**

Number of days with:

Snow or sleet falling; 12 (-3)  
Snow lying at 0900 GMT; 6 (0)  
Thunder heard; 9 (-7)  
Hail; 9 (-3) =>5mm; 3 (0) <5mm, 6 (-3)  
Fog at 0900 GMT; 12 (0)

**Air Pressure,**

corrected to MSL.

Mean at 0900 GMT **1015.3** mabr (-0.7)

Absolute highest 1043.7 mbar on 7th February

Absolute lowest 974.2 mbar on 14th 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	7.6	17.6	5th	54	3/1533	11.9
February	6.3	12.0	22nd	39	22/1126	12.4
March	5.3	12.7	5th	37	7/1404	21.5
April	7.4	12.9	26th	39	26/1412	11.5
May	6.4	12.0	10th	35	25/1754	7.9
June	7.8	16.2	8th	47	8/1355	9.4
July	6.2	9.6	16th	38	11/1340	6.6
August	6.2	8.9	16th	33	29/1129	9.7
September	6.4	11.1	10th	33	24/1246	7.8
October	6.3	11.9	26th	36	5/0432	8.8
November	6.3	14.2	22nd	50	25/0451	8.7
December	8.1	14.7	29th	44	14/1601	3.1
Year	6.7	17.6	5th January	54	3rd January	119.3

**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	19	37	62	35	11	2	22	86	244	169	41	16
February	45	77	52	14	20	4	28	89	148	90	51	78
March	44	55	126	44	18	13	25	107	101	73	73	65
April	43	113	50	12	21	26	50	146	121	77	27	34
May	81	137	95	30	21	14	37	99	76	65	37	52
June	28	52	48	62	35	28	35	229	144	46	8	5
July	41	38	30	11	15	13	63	203	200	91	17	22
August	17	12	26	36	23	39	112	259	131	54	18	17
September	40	18	19	26	4	12	28	193	224	81	52	23
October	40	107	104	56	14	10	60	148	130	48	12	15
November	46	14	22	28	29	29	102	201	118	62	34	35
December	30	5	37	18	38	15	36	188	207	86	47	37
Year	474	665	671	372	249	205	598	1948	1844	942	417	399

## Appendix 1.

**Monthly statistics from the electronic sunshine detector, 2012.**

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	93.3	7.8 on 16th	6	13	5	7	0	0
February	92.3	9.5 on 26th	7	10	5	5	2	0
March	184.8	12.1 on 27th	3	5	7	8	5	3
April	130.8	12.1 on 1st	3	7	11	7	1	1
May	184.7	15.2 on 26th	4	10	4	1	5	7
June	108.5	10.0 on 19th	4	12	7	3	4	0
July	162.8	15.3 on 23rd	2	10	8	5	1	5
August	172.8	12.8 on 10th&18th	0	9	10	5	5	2
September	183.7	12.7 on 7th	2	7	7	5	5	4
October	86.1	9.6 on 14th	7	13	5	4	2	0
November	84.7	8.6 on 5th	5	11	9	5	0	0
December	79.2	7.3 on 8th	8	12	6	5	0	0
Year	1563.7	15.3	51	119	84	60	30	22

## Appendix 2.

**Monthly categories, quick look table, 2012.**

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

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 2012.**

**January** Mild, dry and very sunny. The mean maximum is 9th highest in 131 years. The highest min ranks 3rd highest in 100 years. Rainfall only 60% of average, but in recent years Januarys in 2006, 2005 and 2000 were drier. The highest daily fall ranks 11th lowest in 109 years. One of the 10 sunniest Januarys in the past 105 years.

**February** Dry and sunny with mean temperature below normal, and a snowy spell. The highest max is highest since 1998 and the lowest min is lowest since 1986, giving a temperature range of 27.9°, a new February record. The duration of air frost is highest since 1996. Less than half the average rainfall, with 76% of the total falling as snow on the 4th and 9th. Snow lay on the 5th to 7th and 10th to 12th, with a maximum depth of 5cm. The mean pressure is highest since 1993.

**March** Very mild, very sunny and dry. Mean maximum highest since 1938 and 2nd highest in 131 years. Mean minimum only 49th highest giving a mean diurnal range 3rd highest in that period. The highest max is equal highest since 1968. Most ground frosts since 1980. Rainfall just over one-third of the average. One of the sunniest Marches since before 1908. Mean pressure and absolute lowest are highest since before 1976. Wind speed lowest since before 1988. Most fog days since 1969.

**April** Very wet and dull with temperature below normal. The mean temperature is lowest since 1989. The mean max lower than in March. Lowest min lowest since 1996. Lowest grass min equal lowest since 1984. The 2nd wettest April in 131 years, but a dry start then 519% over the final 10 days. Number of days with  $\geq 5$ mm equal highest since before 1976. Sun 54 hours less than in March.

**May** Mild and dry with below normal sunshine. Mean min 10th highest in 131 years. Highest min 7th highest in 100 years. Only about half the average rainfall, and dry after the 15th. Dull at first but very sunny to end with.

**June** The dullest and 3rd wettest June in over 100 years with below normal temperatures and quite windy. Mean max and daily mean lowest since 1991. Lowest max lowest since 1989. Wettest since 1971. Rainfall duration highest since before 1993. Dullest June for over a century, and lowest daily mean sun for any month since February. Windiest since 1994.

**July** Wet and dull with temperatures well below normal, despite a heatwave late in month. Twice the average rainfall and rain duration most since before 1993. Sunshine deficit 75 hours by the 20th, but recovered somewhat before the end.

**August** Dry with temperature above and sunshine below normal. Lowest min is lowest since 1979. First August ground frost since 1979. Rainfall about half the average and driest since 2003. Highest daily rainfall 8th lowest in 109 years. Sunshine 11% below average yet sunniest August since 2009.

**September** Very sunny with below average rainfall and temperature. Coolest since 1996. New daily temperature range record, equal highest with the record for any month. Mean grass min 2nd lowest in 33 years. Most ground frosts since 1987. Rainfall 11% below average and quite dry until the 20th. Highest daily mean sunshine for any month since March.

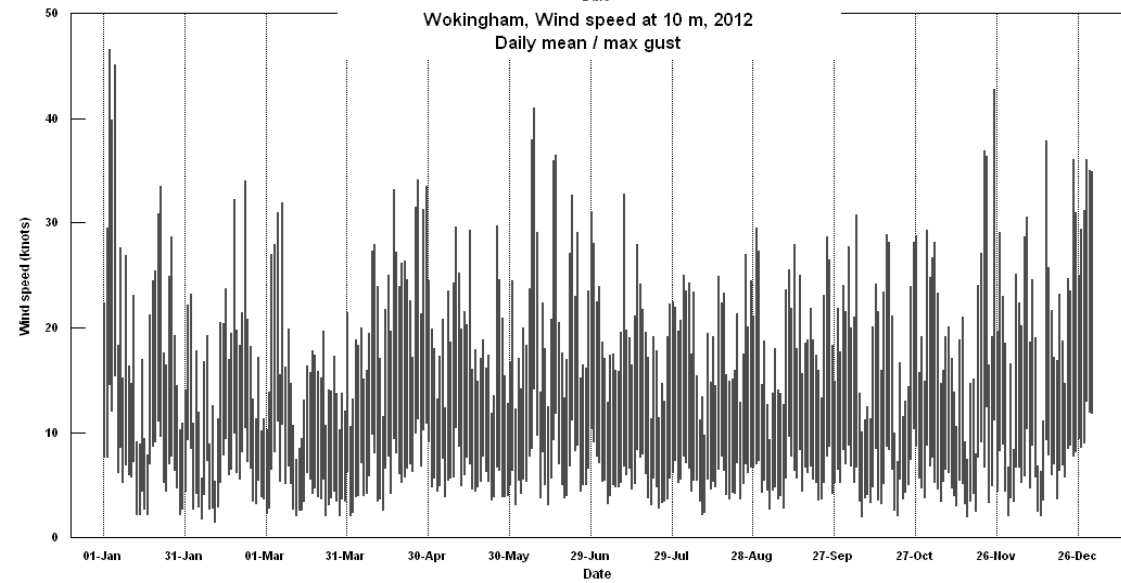
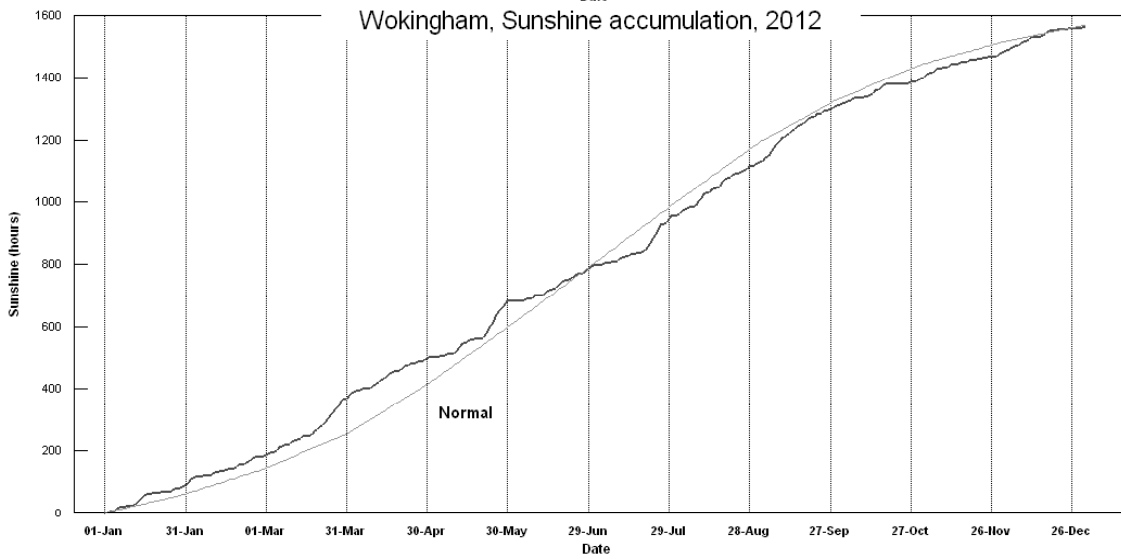
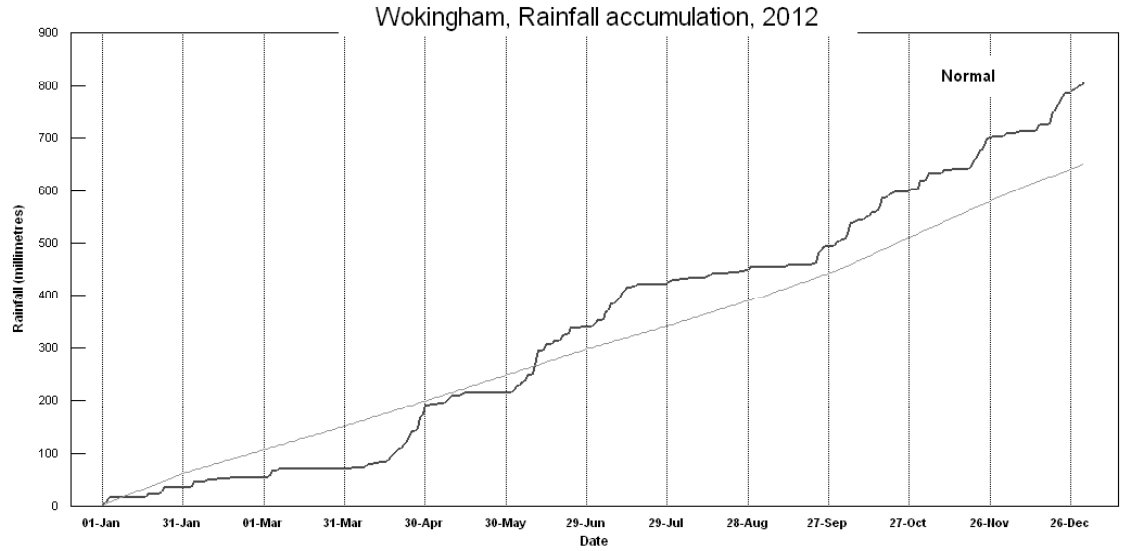
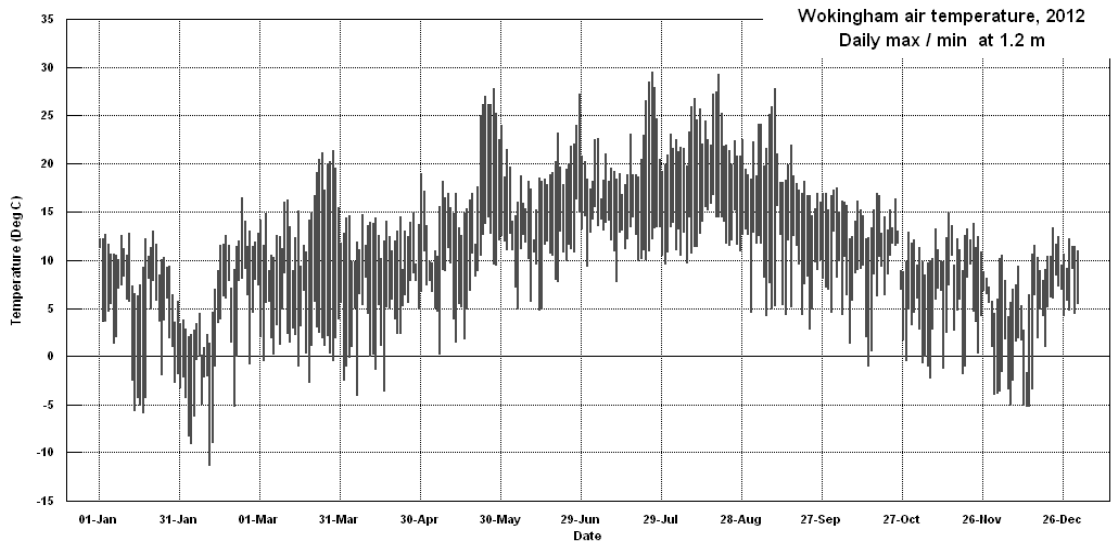
**October** Dull and wet with below average temperature. Mean max lowest since 1993. Highest max equal lowest since 1982. Rainfall 62% above average and wettest since 2000. Fewest dry days since before 1976. Dullest since 2000.

**November** Wet with below average temperatures but sunny. Rainfall 21% above average, though relatively dry compared with some other parts of the UK that had serious flooding. Very sunny for the first 10 days then near normal.

**December** Very wet with near average temperature and quite sunny. Cool and relatively dry until the 13th, then milder, wetter and duller to the month's end. Lowest max 8th lowest in 101 years, and the coldest December day since 1991 on the 12th. Rainfall 65% above average, but 77% of it fell in the final 12 days. sunny during the first half, but only around half the normal sunshine over the last 10 days.

**Year Very Wet with Temperature and Sunshine Near Average.**

This has been a year of strong contrasts, especially for rainfall and sunshine. April, June and December were very wet, while January, February, March, May and August were dry. April, June, July and October were dull while January, March, September and December were sunny. The overall ranking for temperature of 26th highest in the past 131 years should be viewed in the light of our changing climate whereby the difference from the current climatological average is  $-0.2^\circ$ . All the annual extreme temperature values are below their respective long-term median and the lowest min ranks 13th lowest in 109 years, and is  $3.6^\circ$  below the median. The highest max is  $0.7^\circ$  below the median and the lowest max  $1.2^\circ$  below its median, while the highest min is  $0.4^\circ$  below the median. The lowest grass min is second lowest since 1987. Air frost duration is 22% above average. This has been a very wet year overall, although in this area we escaped the serious flooding that affected other parts of the UK. Rainfall here was above average in each season from spring to autumn, with the summer total 65% above average. Our annual total of 807 mm is highest since 2002 and ranks 10th highest in 131 years, but is far short of the 951 mm recorded in 1903. The year's highest daily fall is low for such a wet year, being 7.2 mm below average. The duration of measurable rain is 23% above normal and is highest since 2000. The number of dry days is lowest since 2002, and the number of days with  $\geq 10$ mm is highest since before 1976. Thunder was less frequent than average, and hail slightly less so. Snowfall frequency was a little less than average but the number of days with snow lying is equal to the average, with all occasions being in early February. Rainfall rates over 100mm/hr occurred in January, July, August, September and October, with the highest, 242 mm/hr, in January. Estimated soil moisture deficit did not reach significant values until the autumn, and shallow rooted plants experienced stress only in the latter half of September. Soil moisture returned to field capacity in the second half of April and again in mid-June. An index of plant moisture stress gave a value of 7 for the spring season, average 61, and 107 for the summer, average 652. Only 1985 and 2007 had similarly low summer values since 1981. Sunshine this year ended up close to average, but there was a marked lack of sunshine during much of the summer, the season having only 76% of average. January to March, however, were very sunny, as were September and December. The mean wind speed of 6.7 mph is close to average. The year's highest gust of 54 mph is 5 mph below average. December was the windiest month, mean 8.1 mph, and March the least windy, mean 5.3 mph. The distribution of wind direction shows the usual peak for SW'ly winds, which this year, when combined with W, were 8.6% more frequent than average, at the expense of S and SE winds, 7.1% less frequent, and NE winds, 1.3% less frequent. The duration of calm is lowest in the past 8 years. The mean relative humidity was 79.8%, and the lowest value of 20% was recorded in March, July and September. The mean water vapour content per g of air was 6.6g at 0900 and 6.0g at 1500 GMT. The total span of pressure was 69.5 mbar, 0.2 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	18.8	67	5.0	2.8	86	6.5	14	1021.2	0	1	5	6	5	12	2
February	16.0	78	3.3	1.0	85	5.2	10	1030.6	1	0	5	9	6	6	2
March	11.2	76	7.7	4.9	83	4.7	10	1028.4	5	0	9	5	7	5	0
April	20.9	62	8.7	4.6	76	6.5	15	1004.2	0	0	0	8	12	6	4
May	21.8	68	13.5	8.3	72	6.3	13	1016.9	0	0	2	8	11	5	5
June	24.9	82	15.2	10.7	75	7.2	16	1011.1	0	0	5	3	5	14	3
July	28.6	71	17.1	11.8	73	5.5	13	1013.9	0	0	0	3	10	11	7
August	21.9	67	18.0	13.7	75	6.5	13	1014.4	0	0	0	2	18	9	2
September	29.8	62	14.4	9.9	75	6.3	12	1015.6	0	0	1	3	11	7	8
October	20.0	74	10.2	8.4	89	5.7	12	1010.7	1	2	5	5	6	8	4
November	18.1	65	6.6	5.2	91	5.4	11	1009.5	0	1	4	6	8	9	2
December	16.3	67	4.9	3.4	90	7.2	15	1008.0	0	1	4	11	5	8	2
Year	20.7	70	10.4	7.1	81	6.1	13	1015.3	7	5	40	69	104	100	41

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	24.7	68	8.0	3.0	71	7.3	17	1021.0	0	0	0	5	10	13	3
February	22.6	71	6.9	1.1	68	6.4	14	1029.4	0	0	1	7	8	9	4
March	21.0	55	13.6	4.1	56	6.1	14	1027.0	0	0	2	7	8	12	2
April	24.2	78	11.2	3.4	61	7.7	17	1003.3	0	0	0	4	10	15	1
May	27.6	66	16.6	8.0	59	6.9	15	1016.2	0	0	1	1	10	14	5
June	27.3	84	17.2	10.2	65	8.0	18	1010.9	0	0	1	3	6	16	4
July	27.6	72	19.3	11.3	63	6.3	15	1013.3	0	0	0	6	9	11	5
August	31.2	72	21.2	11.6	56	7.7	17	1013.8	0	0	0	3	5	18	5
September	39.5	72	18.0	8.5	56	7.4	16	1014.4	0	0	0	0	4	16	10
October	26.7	81	12.8	8.3	75	6.5	15	1009.7	0	0	6	1	9	8	7
November	31.1	77	8.9	5.0	77	6.9	15	1009.4	0	1	0	4	6	12	7
December	27.1	71	7.1	4.1	81	7.8	16	1007.3	0	0	1	4	9	12	5
Year	27.5	72	13.4	6.6	66	7.1	16	1014.6	0	1	12	45	94	156	58

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 2012

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	9.7	2.3	6.0	+1.2	37.2	-1.3	6.5	8.9	93.3	107.9	1021.2	10	16	2	0	0	0	1	248	4.0	6.6	30.0	
February	7.8	0.4	4.1	-0.8	18.5	-2.3	4.6	6.7	92.3	172.9	1030.6	16	16	6	6	0	0	1	277	2.2	5.5	23.1	
March	14.6	2.5	8.5	+1.3	16.8	-1.9	8.1	8.3	184.8	11.3	1028.4	4	24	1	0	0	0	5	286	1.2	4.6	14.6	
April	12.8	3.4	8.1	-1.1	119.5	-0.1	9.6	9.6	130.8	22.7	1004.2	7	15	0	0	3	1	5	0	232	1.2	6.4	91.3
May	17.8	8.3	13.1	+0.6	24.8	5.6	13.4	11.6	184.7	0.0	1016.9	0	5	0	0	0	1	0	0	325	1.0	5.6	33.6
June	18.9	10.5	14.7	-0.8	124.2	8.4	16.3	14.6	108.5	0.0	1011.1	0	0	0	0	0	0	0	214	3.6	6.8	89.0	
July	20.8	12.1	16.4	-1.3	89.9	10.1	18.6	16.4	162.8	0.0	1013.9	0	0	0	0	2	0	0	229	3.5	5.4	63.5	
August	22.8	12.7	17.7	+0.2	24.7	9.7	19.3	17.8	172.8	0.0	1014.4	0	1	0	0	2	0	0	209	3.6	5.4	14.3	
September	19.3	8.3	13.8	-0.9	47.6	4.2	16.4	16.7	183.7	0.0	1015.6	0	5	0	0	0	0	0	238	3.7	5.6	26.1	
October	13.9	6.8	10.4	-0.8	117.4	4.3	13.2	14.2	86.1	1.9	1010.7	2	9	1	0	2	1	0	224	1.0	5.5	80.0	
November	10.6	3.4	7.0	-0.5	83.4	0.4	9.1	11.2	84.7	47.3	1009.5	8	16	0	0	0	0	1	220	2.8	5.5	68.6	
December	8.8	1.9	5.4	+0.4	103.1	-1.5	5.6	8.2	79.2	110.7	1008.0	10	18	2	0	0	0	1	229	4.6	7.0	88.1	
Year	14.8	6.1	10.5	-0.2	807.1	3.0	11.7	12.0	1563.7	474.7	1015.3	57	125	12	6	9	3	6	12	235	2.5	5.8	622.2

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				
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
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

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	-1.1	600	-51	xx	
1910	13.7	5.1	9.4	-1.3	631	-20	xx	
1920	14.0	5.3	9.7	-1.0	700	+49	1588	+21
1930	14.2	5.3	9.8	-0.9	636	-15	1599	+32
1940	14.4	5.5	10.0	-0.7	641	-10	1527	-40
1950	14.6	5.7	10.2	-0.5	616	-35	1572	+5
1960	14.1	5.7	9.9	-0.8	678	+27	1500	-67
1970	13.7	5.7	9.7	-1.0	686	+35	1487	-80
1980	14.0	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	16.1	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	2012	807	1938	511	1995	4.8	1993	3.8

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