

WOKINGHAM

METEOROLOGICAL

DATA

Wokingham Climatological Station, Emmbrook, Berkshire.

Lat/Long 51°25'N 00°51'W NGR (SU)800699 Altitude 44m ASL.

Monthly Means and Totals

MAY 2006

Temperature (°C / °F)			Anomaly	Rank in past 125 years			
Mean maximum	17.7	63.9	+0.7	42 nd highest			
Mean minimum	8.8	47.8	+1.8	3 rd highest			
Daily mean	13.2	55.8	+1.2	17 th highest			
Highest maximum	27.2	81.0	on 4 th	Lowest maximum	13.9	57.0	on 30 th
Highest minimum	13.8	56.8	on 27 th	Lowest minimum	2.0	35.6	on 2 nd
Mean grass minimum	5.8	42.4		Lowest grass minimum	-2.1	28.2	on 2 nd
Mean earth @30 cm	13.8	56.8	+0.7	Earth @100 cm	11.8	53.2	+0.5
Frost duration (hrs)	0.0			Rain duration (hrs)	56.5		
Rainfall total (mm / in)	86.7	3.41	173 %	13 th highest			
Highest daily fall	14.9	0.59	on 7 th				
Number of: Dry days (<0.2mm)	12	Wet days (>0.9mm)	16	days ≥5mm	6		
Sunshine total (hrs)	134.6	Daily mean	4.34	79 %	Sunniest day	13.6	on 11 th
N° days with: Air frost	0	Ground frost	1	Snow falling	0	Snow lying	0
Thunder	3	Hail ≥5mm	2	Small hail/ice	1	Fog @09	0
Air pressure MSL : Mean @09 GMT (mbar/in)	1013.7		-2.2	29.93			
Absolute highest	1028.3			30.37		on 31 st	
Absolute lowest	986.4			29.13		on 22 nd	

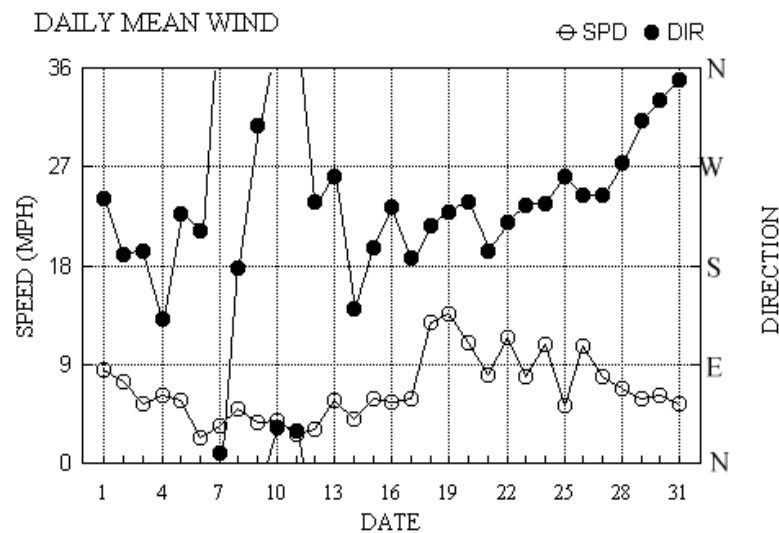
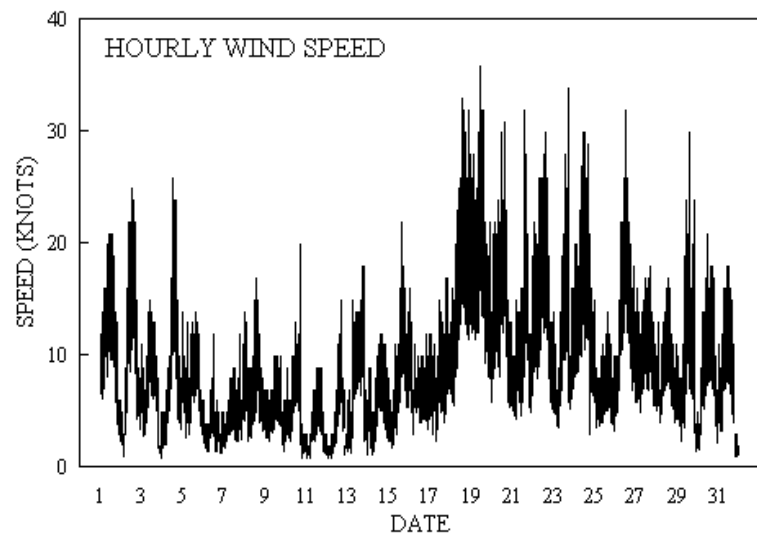
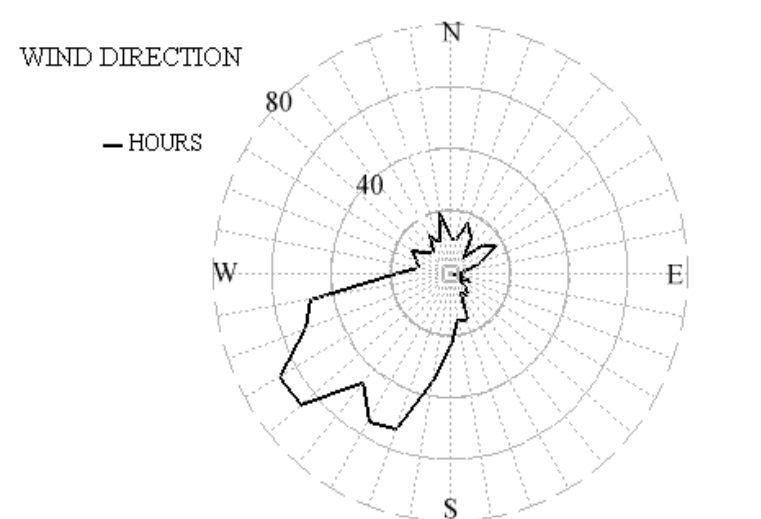
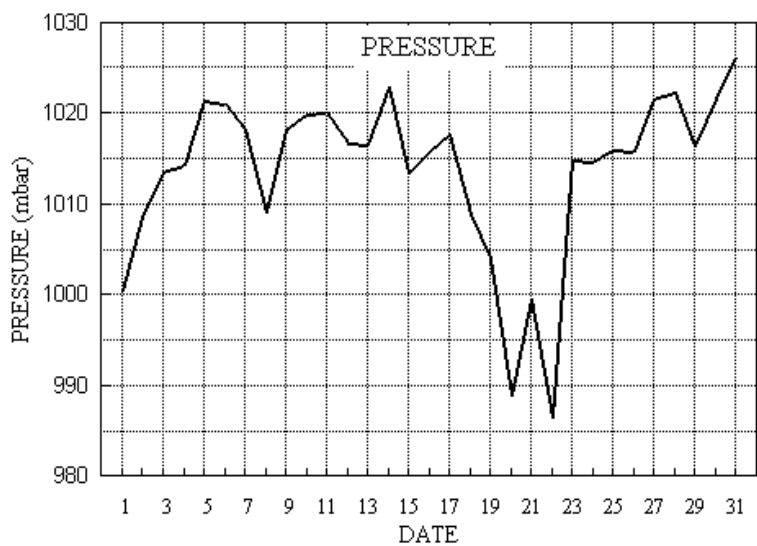
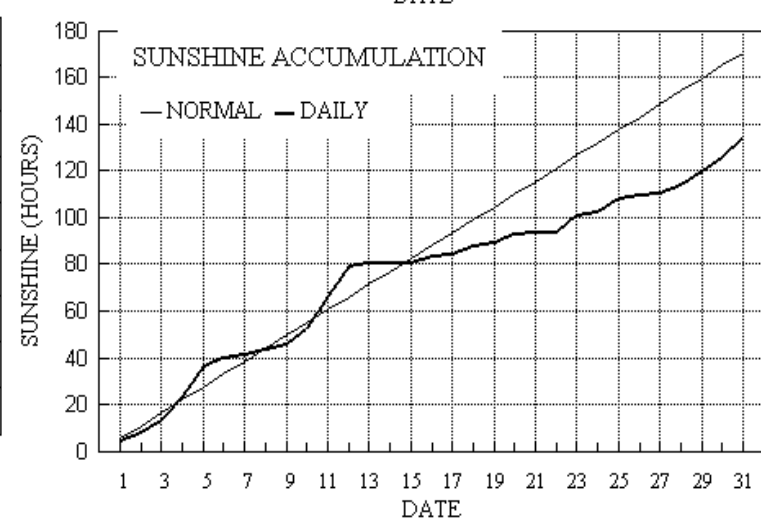
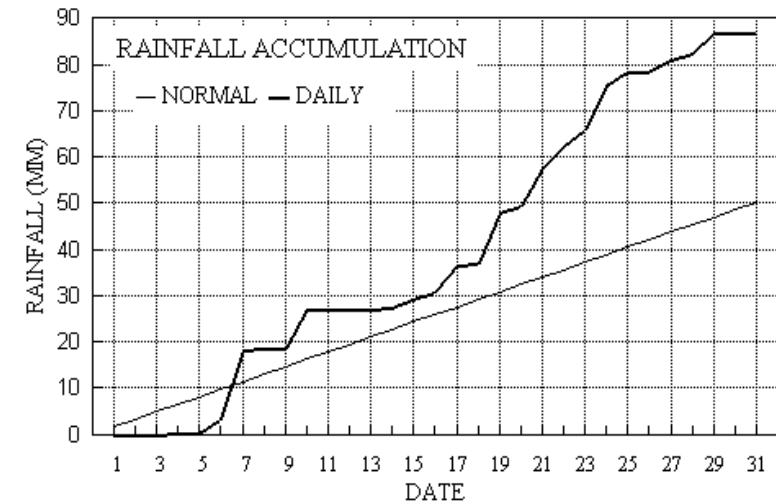
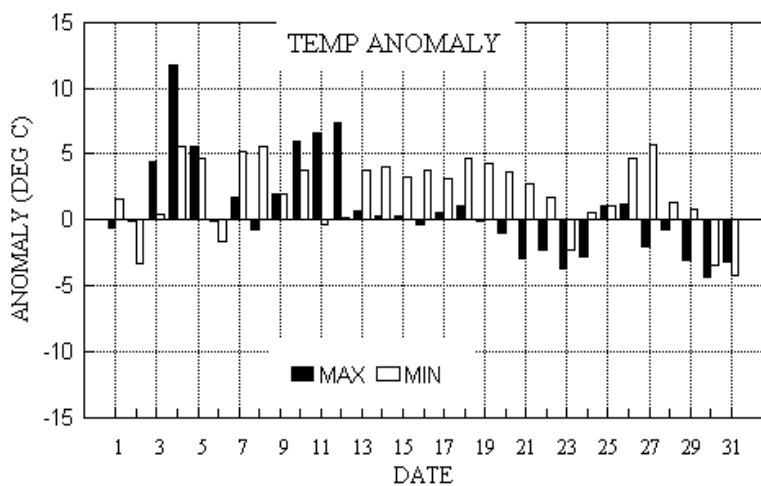
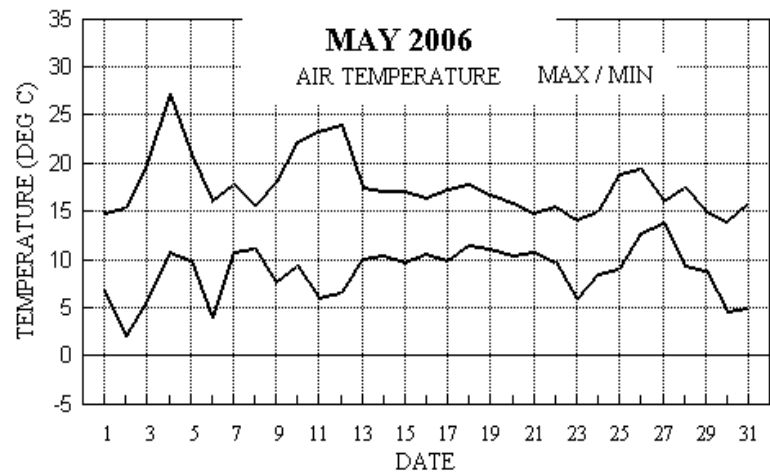
Anomaly = departure from 1971 to 2000 average (degrees C, percent and mbar).

Notes: **Mild, Wet, Very Dull.**

Temperature. Although there were several warm days in the first half of the month, for the remainder daily maxima were near or below normal. However, apart from the odd cold night daily minima were generally above normal. This resulted in the mean min being highest since 1999 and 3rd highest in 125 years while the mean max is down at 42nd highest. The highest max is 2.0° above the median, but is 2.6° lower than last May's. The lowest max is 2.9° above the median, highest since 1999 and 5th highest in 94 years. The lowest min is 1.5° above the median, while the highest min is 1.3° above the median. The mean daily temperature range, 8.9°, is equal lowest with 2002 since 1994. The mean grass min is highest since 2000. The highest 30cm temp., 14.9°, is lowest since 1996. The number of ground frosts is fewest since 1999. **Rainfall.** Apart from one or two daily exceptions, the first half of the month was dry and the second half wet. The total is 73 % above average, and the wettest May since 1983. It is also the wettest month of any name since Oct 2004. The highest daily fall, however, is not exceptional, just 1.2 mm above the long-term median. The number of dry days is equal lowest with 2002 since 1983. The duration of measurable rain is 19.0 hours above average, and most since 2000. Thunder was recorded on the 8th, 10th and 13th. The number of days with large hail most since 1999. Hail 1.5 cm dia. fell on the 10th, and 0.7 cm dia on the 29th. **Sunshine.** A very poor month in this respect, with fewest sunshine hours since 1991, and it was probably one of the 10 dullest Mays since 1908. Only 4 days managed over 66 % of the maximum possible, while 19 had fewer than 33 %. Overall there were 13 days with <3 hours, 7 with =>6 hours, 4 with =>9 hours and 3 with =>12 hours. **Wind.** The mean wind speed of 6.7 mph this May is close to average. The windiest day was the 19th, mean 13.7 mph, and the month's highest gust of 41 mph was also on that day. The 6th was the least windy day, 2.4 mph, and there were 725 minutes, (12.08 hours) with a mean speed of 0.5 mph or less. Daily mean direction/number of days: N,2 NE,2 E,0 SE,2 S,6 SW,13 W,3 NW,3. **Humidity.** The overall mean relative humidity for this May was 78.8 %, and the lowest value recorded was 22 % on the 11th. Mean water vapour content per Kg of air was 7.6 g at 0900 GMT and 7.2 g at 1500 GMT. **Commentary. From the 1st to the 10th :** Mean anomalies (max, min, rain, sun), +3.0°, +2.4°, 167 %, 96%. Daytime temperatures were at their highest during this period, with an anomaly of +11.7° for the max on the 4th, the month's hottest day. Daily minima were also generally above normal, with anomalies of +5.5° on the 4th and 8th, but an isolated -3.3° on the 2nd, the month's coldest night. All but 3 mm of the 10 day rainfall total of 27.1 mm fell 7th and 10th, with the 14.9 mm on the 7th the month's wettest day. This was also the sunniest period, though with only two sunny days, and 5 with less than 33% of possible. Moderate SW'ly winds backed SE'ly by the 4th, then became light and variable from the 5th on. **From the 11th to the 20th :** Mean anomalies +1.5°, +3.0°, 138%, 73%. Anomalies for daily max range from +7.3° on the 12th to -1.0° on the 20th, and for min, +4.7° on the 18th to -0.3° on 11th. Dry until the 14th, then rain every day, totaling 22.3 mm by the 20th. Two sunny days again, with 88% of the maximum on the 11th, the month's sunniest day, but also 8 days with <33% of possible. Light N'ly wind on 11th became moderate W'ly on 13th, backing SE'ly on 14th, veering SW'ly by 16th, increasing strong on 18th, decreasing fresh on 20th. **From the 21st to the 31st :** Mean anomalies -2.1°, +0.8°, 210%, 69%. This was the most unpleasant period of the month, with daily anomalies for maxima ranging from +1.2° on the 26th to -4.3° on the 30th, the month's coldest day. For minima anomalies were in the range +5.7° on the 27th, the month's mildest night, to -4.2° on the 31st. Rain was plentiful, only 3 dry days, and 37.3 mm in total. Sunshine was meagre, 6 days with <33% of possible and 53 % on the 31st the best. Fresh SW'ly winds gradually veered W'ly by 25th, temporarily dropping light on that day, becoming moderate on 27th and veering N'ly by 31st.

B J Burton. FRMetS. Hon. Met. Officer to Wokingham Town Council.

Wokingham Climatological Graphs



Daily meteorological data.

Emmbrook, WOKINGHAM, Berkshire.

Month: MAY 2006

Date	Max	Min	Rain	Grass	30cm	100cm	Sun	Frost	pp09	Af	Sf	Th	Ic	Vec mean			Max gust			High hr			Rain
	C	C	mm	Min	C	C	hrs	hrs	mbar	Gf	Sl	Ha	Fg	ddd	ff	sp	ddd	gg	HHhh	ddd	ff	HH	hrs
1	14.9	6.8	0.0	7.8	11.4	10.2	4.6	0.0	1000.5	0	0	0	0	242	6.6	7.4	260	21	1133	270	11	13	0.0
2	15.4	2.0	0.0	-2.1	11.4	10.2	3.9	0.0	1008.4	0	1	0	0	190	6.4	6.5	200	25	1340	200	12	13	0.0
3	19.9	5.7	tr	0.9	11.4	10.3	5.3	0.0	1013.6	0	0	0	0	194	4.2	4.7	200	15	0913	210	8	09	0.0
4	27.2	10.8	0.2	6.2	11.8	10.4	10.2	0.0	1014.3	0	0	0	0	132	3.6	5.3	130	26	1234	130	11	12	0.1
5	21.0	10.0	0.0	4.9	13.0	10.5	12.5	0.0	1021.4	0	0	0	0	227	4.8	5.0	220	14	1433	210	7	17	0.0
6	16.1	4.0	3.1	0.0	13.2	10.6	3.6	0.0	1020.9	0	0	0	0	212	1.0	2.1	210	12	1128	210	6	11	2.9
7	17.9	10.8	14.9	10.5	13.0	10.9	1.6	0.0	1018.2	0	0	0	0	9	1.2	2.9	80	14	2333	80	5	23	4.5
8	15.5	11.1	0.2	8.4	13.4	11.0	2.0	0.0	1009.1	0	0	0	1	178	2.0	4.3	200	17	1432	220	8	16	0.1
9	18.1	7.6	tr	3.2	13.2	11.1	2.3	0.0	1018.2	0	0	0	0	308	2.1	3.2	20	10	1523	10	5	15	0.1
10	22.2	9.4	8.7	5.5	13.5	11.2	7.1	0.0	1019.9	0	0	0	1	33	2.7	3.3	30	20	1643	40	6	12	0.7
11	23.4	6.0	0.0	2.9	13.6	11.4	13.6	0.0	1020.0	0	0	0	0	29	1.9	2.3	360	9	1329	20	4	14	0.0
12	24.1	6.5	0.0	2.7	14.3	11.5	12.6	0.0	1016.6	0	0	0	0	238	1.6	2.7	270	15	1625	250	8	16	0.0
13	17.5	10.1	0.0	6.4	14.8	11.7	1.7	0.0	1016.4	0	0	0	1	261	4.2	4.9	270	18	1710	270	8	17	0.0
14	17.1	10.4	0.1	7.6	14.5	11.9	0.0	0.0	1022.8	0	0	0	0	141	2.6	3.5	170	12	1426	160	6	12	0.2
15	17.1	9.7	2.2	7.8	14.5	12.0	0.1	0.0	1013.4	0	0	0	0	196	3.6	5.0	210	22	1555	210	10	15	0.9
16	16.5	10.6	1.3	5.5	14.4	12.1	3.1	0.0	1015.8	0	0	0	0	234	4.5	4.8	270	16	0140	260	8	01	1.1
17	17.4	10.0	5.7	5.1	14.2	12.2	0.6	0.0	1017.7	0	0	0	0	187	4.0	5.1	240	17	2152	200	8	10	5.3
18	17.9	11.6	0.7	8.9	14.5	12.3	3.3	0.0	1008.9	0	0	0	0	217	11.0	11.1	220	33	1422	220	16	14	2.7
19	16.8	11.1	10.9	9.9	14.5	12.4	1.3	0.0	1004.0	0	0	0	0	229	11.3	11.9	250	36	1056	230	16	14	7.5
20	15.9	10.5	1.4	8.0	14.4	12.5	3.8	0.0	988.8	0	0	0	0	238	9.1	9.5	260	31	1522	260	14	15	0.8
21	14.8	10.8	8.2	9.2	14.2	12.5	1.0	0.0	999.5	0	0	0	0	194	6.6	7.0	200	32	1453	200	14	14	7.4
22	15.5	9.8	4.5	5.0	14.0	12.5	0.2	0.0	986.4	0	0	0	0	220	8.1	9.9	240	30	1516	240	15	14	6.4
23	14.1	5.8	4.0	2.6	13.8	12.6	6.7	0.0	1014.8	0	0	0	0	235	6.7	6.9	240	34	1757	230	12	13	1.4
24	15.0	8.6	9.5	5.2	13.9	12.6	1.7	0.0	1014.7	0	0	0	0	236	8.8	9.4	260	30	1259	250	15	09	7.8
25	18.9	9.1	2.7	8.8	13.8	12.6	5.6	0.0	1016.0	0	0	0	0	262	3.6	4.6	260	14	1546	240	6	16	2.0
26	19.4	12.7	tr	11.8	14.5	12.7	2.0	0.0	1015.8	0	0	0	0	245	9.0	9.3	250	32	1106	250	16	11	0.0
27	16.1	13.8	2.8	13.4	14.8	12.7	0.4	0.0	1021.6	0	0	0	0	244	6.7	6.8	270	18	1757	240	9	16	2.5
28	17.5	9.4	1.4	6.2	14.7	12.8	3.8	0.0	1022.2	0	0	0	0	274	5.6	6.0	290	17	1437	280	8	12	0.6
29	15.1	8.9	4.2	7.1	14.9	12.9	5.5	0.0	1016.3	0	0	0	1	313	4.3	5.1	320	30	1514	290	10	11	1.5
30	13.9	4.6	tr	0.5	14.7	13.0	5.9	0.0	1021.6	0	0	0	0	331	4.9	5.3	360	21	1253	330	9	12	0.0
31	16.0	4.9	0.0	0.7	14.4	13.1	8.6	0.0	1026.2	0	0	0	0	350	4.3	4.7	360	18	1129	350	8	10	0.0
Total			86.7				134.6	0.0															56.5
Mean	17.7	8.8		5.8	13.8	11.8	4.34	0.0	1013.7					233	3.6	5.8							
Anom	+0.7	+1.8	173%		+0.7	+0.5	79%		-2.2														
Daily mean		13.2																					
Anom		+1.2																					

Number of days with:

Air frost = 0 Ground frost = 1 Nil sun = 1
 Snow falling = 0 Snow lying = 0 Thunder = 3
 Hail=>5mm = 2 Hail<5mm or ice = 1 Fog at 09GMT = 0

Abbreviations.

Max/min = highest and lowest air temperature at 1.2m in 24 hour period ending at 09 GMT
 Rain = total rainfall and melted snowfall in 24 hour period ending at 09 GMT, millimetres. (Tr = trace, <.05mm).
 Grass min = Lowest overnight temperature at grass tip level.
 Sun = hours of bright sunshine, measured electronically. Frost = Number of hours with air temp below 0 deg C.
 pp09 = Air pressure corrected to mean sea level at 0900 GMT, millibars.
 Af = Air frost. Gf = Ground frost. Sf = Snow falling. Sl = Snow lying at 09 GMT.
 Th = Thunder. Ha = Hail =>5mm. Ic = Hail <5mm or ice. Fg = Fog at 09 GMT.
 Vec mean = 24 hour mean wind vector, ddd = direction in degrees from true north, ff = speed in knots.
 Sp = 24 hour mean wind speed in knots.
 Max gust = Highest gust in 24 hours, gg = speed in knots, HHhh = Time, hours and minutes, GMT.
 High hr = Highest hourly mean wind, HH = hour commencing. Rain Hrs = Duration of rain, 24 hours to 09 GMT. Excludes snow/hail.
 30cm and 100 cm are earth temperatures at those depths, read at 09 GMT.
 Anom = Departure from 1971-2000 climatological average.
 All temperatures in degrees Celsius.

Weather observations. Emmbrook, Wokingham, Berkshire.

Observations at 0900 GMT for MAY 2006

Date	VV	N	dd	ff	gg	TT	TdTd	RH	r	PPP	a	ppp	ww	W1	W2	Nh	Cl	h	Cr	N	Ch	shs	N	Ch	shs	Date	Remarks
1	84	3	26	09	20	12.3	7.8	74	6.7	1000.5	3	007	03	6	1	3	2	5	7	8	83820				1	1Ac65 1Cs72 Cu med	
2	82	7	19	12	22	12.7	6.2	65	5.9	1008.4	0	000	03	2	2	1	8	5	5	1	81828	86364	87075	2	1Sc56 COTRA CU hum		
3	68	7	21	08	15	14.2	10.8	80	8.1	1013.6	2	016	03	2	2	7	5	4	/	/	87618			3			
4	58	6	06	05	09	19.7	13.6	68	9.8	1014.3	8	010	05	1	1	0	0	9	0	1	81070	86080		4	COTRA L/a cont		
5	67	4	21	03	07	15.4	9.9	70	7.5	1021.4	1	012	03	1	1	2	1	4	0	1	82818	83080		5	COTRA Cu hum		
6	84	7	03	02	07	15.3	6.0	54	5.8	1020.9	8	004	03	2	2	3	0	9	5	1	81362	83365	87080	6	COTRA		
7	58	7	35	03	06	13.7	10.7	82	8.0	1018.2	7	002	05	2	2	7	8	4	3	/	84812	84625		7	/Ac60 Cu hum		
8	12	8	09	02	05	12.2	12.0	99	8.8	1009.1	6	009	63	6	6	7	7	2	2	/	83703	87705	88510	8	Thunder 0535-55		
9	56	8	31	04	06	12.2	10.5	89	7.9	1018.2	1	011	60	6	2	8	6	3	/	/	87707	88710		9			
10	58	4	06	05	11	13.7	10.1	79	7.6	1019.9	2	002	05	1	1	3	6	4	3	0	83712			10	2Ac60		
11	70	2	03	02	06	16.1	8.3	60	6.8	1020.0	0	001	02	0	0	0	0	9	0	1	82075			11	COTRA		
12	59	6	04	01	04	17.8	11.6	67	8.5	1016.6	4	000	05	2	2	0	0	9	0	1	86080			12	COTRA U/a cont, faint		
13	56	8	25	08	16	13.5	10.4	82	7.9	1016.4	1	014	05	1	1	8	5	4	/	/	83712	88615		13			
14	56	8	15	02	06	13.8	11.0	83	8.1	1022.8	1	005	05	2	2	8	8	4	/	/	83812	88620		14	Cu hum		
15	58	8	15	05	11	14.3	12.1	87	8.8	1013.4	6	017	61	6	2	2	5	4	7	/	81715	88462		15	2Sc40 2Ac60		
16	63	7	26	05	11	14.7	9.9	73	7.6	1015.8	0	008	02	1	1	7	5	5	/	/	87620			16			
17	62	7	13	04	08	15.2	12.7	85	9.1	1017.7	8	010	01	2	2	3	5	4	7	1	81712	85364	87075	17	2Sc25 1Sc56 COTRA		
18	58	7	22	09	23	14.4	12.0	86	8.8	1008.9	3	006	25	8	2	7	8	4	/	/	85815	87640		18	Cu med jpNW		
19	72	8	24	14	31	12.4	10.7	89	8.1	1004.0	1	026	61	6	2	8	8	4	/	/	83815	86620	88635	19			
20	68	7	24	08	19	12.5	7.8	73	6.8	988.8	6	002	15	1	1	4	8	5	3	2	83820	83360		20	2Sc40 /Ci75 Cu med jpW pr0905		
21	60	8	19	07	15	12.8	10.7	87	8.1	999.5	8	008	60	6	2	6	8	4	2	/	81712	85630	88550	21	2Cu18 Cu hum		
22	57	8	19	13	26	11.8	10.8	94	8.3	986.4	0	000	58	8	6	7	7	3	2	/	85708	87712	88530	22			
23	84	3	23	06	14	11.8	6.1	68	5.8	1014.8	1	019	03	1	1	3	8	5	0	1	83822			23	1Sc50 1Ci75 Cu con		
24	86	6	24	11	22	11.9	7.8	76	6.6	1014.7	0	001	25	8	2	3	8	4	7	2	83818	84070		24	1Sc50 1Ac62 1Ac68 Cu med		
25	86	7	32	04	10	12.7	9.4	80	7.3	1016.0	2	023	02	2	2	7	8	4	3	/	82815	87635		25	/Ac65 Cu hum		
26	70	8	23	09	22	14.9	14.2	96	10.1	1015.8	5	002	60	6	2	8	5	3	/	/	86708	87712	88625	26			
27	84	8	24	08	16	15.4	12.9	85	9.2	1021.6	2	002	02	2	2	8	5	4	/	/	87612	88620		27			
28	84	7	30	06	13	14.7	7.7	63	6.5	1022.2	1	010	03	1	1	3	8	5	3	2	83828	85365	87073	28	1Sc45 COTRA Cu hum		
29	70	6	23	02	22	10.6	8.4	86	6.8	1016.3	6	003	25	8	2	4	9	4	6	/	82918	82825	83362	29	1Ac35 jpS vv40k exS. pRh 0935		
30	81	5	34	06	10	10.6	4.9	68	5.3	1021.6	0	001	02	8	1	5	8	5	0	0	83825	83640		30	Cu med		
31	82	3	36	07	15	10.9	3.9	62	5.0	1026.2	1	008	03	0	0	3	1	6	0	0	83830			31	Cu hum		

Mean vis = 23.6 km

Mean cloud = 6.4 80%

Mean wind speed = 6.1 kn

Mean gust = 14 kn

Mean TT = 13.7 C

Mean TdTd = 9.7 C

Mean RH = 77.7 %

Mean r = 7.6 g/kg

Mean PPP = 1013.7 mbar

VV = Visibility code (Code FM12-4377)

N = Total cloud amount, oktas

dd = Direction from which wind is blowing, tens of degrees true

ff = 10 minute mean wind speed, knots

gg = Highest gust in past hour, knots

TT = Air temperature at 1.2 m, deg Celsius

TdTd = Dew point temperature at 1.2 m, deg Celsius

RH = Relative humidity at 1.2 m

r = Humidity mixing ratio at 1.2 m, g/kg

PPP = Air pressure reduced to sea level, mbar

a = Characteristic of pressure tendency (Code FM12-0200)

ppp = 3 hr pressure tendency, tenths of mbar

ww = Present weather code (Code FM12-4677)

W1, W2 = Past weather code (Code FM12-4561)-
covers past 3 hours.

Nh = Amount of low cloud present, oktas

Cl = Type of low cloud (Code Fm12-0513)

h = Height of low cloud (Code FM12-1600)

Cm = Type of medium cloud (Code FM12-0515)

Ch = Type of high cloud (Code FM12-0509)

8 groups. 8 = indicator for cloud detail

N = Amount of cloud, oktas

C = Type of cloud (FM12-0500)

hshs= Height of cloud (FM12-1677)

Remarks : COTRA = persistent condensation

trails present.

Weather observations. Emmbrook, Wokingham, Berkshire.

Observations at 1500 GMT for MAY 2006

Date	VV	N	dd	ff	gg	TT	TdTd	RH	r	PPP	a	pppww	W1W2	NhCl	hCrCl	NChshs	NChshs	NChshs	Date	Remarks													
1	86	6	27	09	20	14.1	3.8	50	5.0	1003.5	2	015	02	2	2	6	8	6	0	1	82840	83650			1	4Sc56	2Ci78	Cu	med				
2	72	7	19	12	27	14.8	8.6	66	7.0	1007.6	5	000	02	2	2	4	8	5	3	1	82825	83635	86075		2	3Ac65	Cu	med					
3	80	6	22	06	14	18.0	9.0	56	7.2	1014.8	1	003	02	2	2	6	8	6	0	0	84835	83640			3	Cu	hum						
4	80	6	16	10	21	26.4	10.0	36	7.7	1011.7	7	005	03	1	1	1	2	7	0	1	81856	86080			4	COTRA	Cu	con	N				
5	82	1	21	06	14	20.5	6.5	40	6.0	1021.0	7	001	01	0	0	1	1	7	0	1	81850				5	1Ci80	COTRA	Cu	hum				
6	73	8	15	01	04	12.6	10.3	86	7.8	1020.3	7	010	02	6	2	1	5	4	7	/	81712	88357			6	1Sc56							
7	70	7	34	04	07	17.8	8.6	55	6.9	1015.5	8	016	02	2	2	6	8	6	7	1	82832	84650	85358		7	/Ci75	Cu	con					
8	63	7	21	07	15	14.8	10.9	77	8.1	1011.7	1	013	01	8	2	3	8	5	3	8	81822	83640	87078		8	2Ac58	3Cs72	COTRA	Cu	hum/med			
9	62	7	34	04	09	17.4	10.7	65	8.0	1017.8	8	002	01	2	2	3	2	5	0	1	83828	86078			9	COTRA	Cu	med					
10	62	4	06	05	11	21.4	11.4	53	8.4	1018.1	7	009	03	0	0	4	9	6	0	0	81935	83840			10	Cu	con	Cb	N	Sky	turbid.	Thunder	1515z
11	75	3	03	04	08	23.0	3.9	29	5.0	1017.7	7	012	03	0	0	1	2	8	0	3	81857	83080			11	1Ci75	COTRA	Cu	con	Cb	top	SW	
12	72	8	25	04	11	23.4	6.9	35	6.2	1014.4	7	010	03	2	2	2	2	7	0	2	82856	88275			12	COTRA	Cu	con	Halo	22°			
13	62	7	25	07	19	16.3	10.1	67	7.7	1017.1	1	001	15	2	2	7	8	6	/	/	82830	87656			13	2Sc40	Cu	hum/med	jp	SE			
14	65	7	15	05	12	16.8	10.0	64	7.6	1021.6	7	014	01	2	2	5	8	5	0	2	82825	83635	87075		14	2Sc50	Absent	vv&cld	est				
15	61	8	21	08	17	16.3	12.7	79	9.2	1010.8	7	008	02	2	2	8	5	4	/	/	86618	88625			15								
16	75	8	22	05	08	15.1	11.6	80	8.5	1015.7	6	003	60	6	2	1	8	5	7	/	81828	83358	88462		16	1Sc40	Cu	hum	vv50k	ex	SW		
17	62	8	14	06	15	14.0	11.8	86	8.6	1012.7	8	033	61	6	2	4	5	7	/	/	81650	87357	88460		17								
18	82	6	22	14	30	17.3	10.2	63	7.8	1007.0	7	013	02	8	1	3	2	5	0	2	83828	85070			18	Absent	vv&cld	est					
19	75	7	23	13	29	16.1	8.7	62	7.1	1004.9	7	001	15	8	2	7	8	6	/	2	81830	86650			19	/Ci75	COTRA	Cu	med	jp	S-NW		
20	82	7	25	15	30	14.6	8.7	68	7.2	993.4	2	025	25	8	2	7	8	5	/	/	83825	87635			20								
21	72	8	21	15	31	14.4	11.8	84	8.8	994.5	6	031	21	6	2	4	8	4	7	/	83815	83360	88465		21	2Sc45	Cu	med	jp	SW			
22	80	7	24	13	26	15.1	10.6	74	8.1	991.4	2	037	15	8	2	5	8	5	3	/	84825	83358			22	2Sc40	Cu	con	N	jp	N		
23	80	6	24	08	26	11.3	8.7	84	7.0	1015.7	0	009	25	8	2	2	9	4	6	3	81815	82930	84364		23	1Sc35	1Sc50	2Ci68	3Ci75	jpE	vv60k	exE	
24	84	8	26	13	28	14.5	4.9	53	5.4	1015.8	1	010	03	8	2	2	8	6	7	7	82838	86363	88273		24	1Sc50	2Ac58	Cu	med				
25	84	3	30	04	11	17.7	8.9	56	7.1	1017.9	2	008	01	1	1	1	1	6	0	1	81845	83078			25	COTRA	Cu	hum					
26	82	7	26	14	25	18.1	13.4	74	9.5	1018.1	1	022	02	2	2	7	5	5	/	/	87622				26								
27	50	8	24	08	16	15.6	14.6	94	10.3	1018.8	7	016	59	6	5	7	7	2	2	/	83705	87709	88520		27	CF	1515						
28	86	7	27	07	15	16.9	6.4	50	5.9	1021.3	7	009	03	2	2	3	4	6	0	8	81840	83645	87275		28	Cu	hum	Halo	22°				
29	82	5	29	05	21	14.6	5.6	55	5.6	1016.0	2	005	25	8	1	4	9	6	6	1	82935	83840			29	1Ac62	1Ci75						
30	81	5	35	10	18	13.0	2.6	49	4.5	1021.2	4	000	15	8	2	5	8	6	0	0	82845	84656			30	Cu	med	jp	S-W				
31	82	3	36	06	15	15.4	1.9	40	4.3	1026.7	0	001	01	1	1	2	4	6	0	1	81848				31	2Sc50	2Ci80	Cu	hum	Sc	cugen		

Mean vis = 28.7 km
 Mean cloud = 6.3 79%
 Mean wind speed = 8.0 kn
 Mean gust = 18 kn
 Mean TT = 16.7 C
 Mean TdTd = 8.8 C
 Mean RH = 62.3 %
 Mean r = 7.2 g/kg
 Mean PPP = 1013.4 mbar

VV = Visibility code (Code FM12-4377)
 N = Total cloud amount, oktas
 dd = Direction from which wind is blowing, tens of degrees true
 ff = 10 minute mean wind speed, knots
 gg = Highest gust in past hour, knots
 TT = Air temperature at 1.2 m, deg Celsius
 TdTd = Dew point temperature at 1.2 m, deg Celsius
 RH = Relative humidity at 1.2 m
 r = Humidity mixing ratio at 1.2 m, g/kg
 PPP = Air pressure reduced to sea level, mbar
 a = Characteristic of pressure tendency (Code FM12-0200)
 ppp = 3 hr pressure tendency, tenths of mbar
 ww = Present weather code (Code FM12-4677)
 W1, W2 = Past weather code (Code FM12-4561)-
 covers past 3 hours.
 Nh = Amount of low cloud present, oktas
 Cl = Type of low cloud (Code Fm12-0513)
 h = Height of low cloud (Code FM12-1600)
 Cm = Type of medium cloud (Code FM12-0515)
 Ch = Type of high cloud (Code FM12-0509)
 8 groups. 8 = indicator for cloud detail
 N = Amount of cloud, oktas
 C = Type of cloud (FM12-0500)
 hshs= Height of cloud (FM12-1677)
 Remarks : COTRA = persistent condensation
 trails present.

Wokingham Psychrometer
 Daily means and extremes, 00-24 GMT
 MAY 2006

Date	Mean		Max		Min		Mean		Max		Min		Missing RH N >0	Number of minutes RH in given ranges							
	TT	TT	Time	TT	Time	RH	RH	Time	RH	Time	RH	Time		RH	0-20	20-40	40-60	60-80	80-90	90-95	95-98
01	10.8	15.0	13:25	6.2	23:56	75.1	97.8	00:38	47.4	13:49			0	0	478	306	148	21	487	0	
02	10.2	15.4	15:00	2.5	04:30	75.0	91.6	04:09	58.0	11:30	1440		0	0	0	0	0	0	0	0	
03	13.8	19.0	15:14	6.1	05:00	74.4	95.4	06:20	49.6	16:05			0	0	289	474	456	213	8	0	
04	19.1	27.2	13:53	11.7	05:13	61.5	89.2	02:19	30.5	12:50			0	305	351	363	421	0	0	0	
05	15.4	21.0	14:39	9.4	23:59	64.2	91.7	05:38	37.0	15:33			0	157	519	306	354	104	0	0	
06	11.0	16.1	09:31	5.4	05:17	82.5	93.3	13:27	47.1	09:32			0	0	112	206	938	184	0	0	
07	13.6	17.9	14:57	10.6	05:27	84.0	97.1	06:11	53.5	14:55			0	0	86	332	406	296	320	0	
08	12.2	15.5	15:49	8.7	22:29	87.4	98.4	09:40	63.7	17:11			0	0	0	312	257	556	313	2	
09	13.4	18.1	15:51	8.8	03:01	82.5	97.8	05:28	56.7	15:49			0	0	43	496	255	396	250	0	
10	14.2	22.2	14:15	9.4	04:11	83.7	98.3	23:18	47.6	13:58			0	0	226	231	158	242	561	22	
11	15.6	23.4	14:36	7.5	05:14	65.8	98.8	05:09	22.4	12:33			0	352	310	265	81	18	228	186	
12	16.8	24.1	15:43	8.1	04:54	62.4	94.2	05:15	26.3	13:07			0	313	400	282	145	300	0	0	
13	13.9	17.5	14:16	11.0	04:51	77.0	91.2	23:23	56.8	13:45			0	0	38	649	671	82	0	0	
14	13.4	17.2	15:42	10.7	05:05	80.0	93.1	05:13	61.3	15:59			0	0	0	668	449	323	0	0	
15	13.5	17.0	13:59	10.0	04:23	87.6	94.5	04:28	75.5	14:07			0	0	0	206	728	506	0	0	
16	13.4	16.7	12:32	10.5	23:31	83.5	96.9	23:59	65.4	12:30			0	0	0	459	481	377	123	0	
17	13.7	17.6	11:53	10.8	05:23	90.5	97.7	05:11	70.7	12:09			0	0	0	168	382	419	471	0	
18	14.1	17.9	13:35	11.1	23:52	78.9	94.7	00:14	59.7	13:59			0	0	2	782	258	398	0	0	
19	12.9	16.8	13:15	11.2	00:00	85.5	96.5	23:55	53.9	13:25			0	0	38	308	347	480	267	0	
20	12.6	15.9	15:19	10.2	06:49	81.9	97.1	01:33	63.2	15:19			0	0	0	682	404	93	261	0	
21	12.2	14.9	16:45	10.5	22:42	88.0	95.2	11:43	74.5	18:04			0	0	0	153	757	510	20	0	
22	11.6	15.4	15:26	8.1	23:59	89.4	96.0	23:43	71.2	15:29			0	0	0	188	370	649	233	0	
23	9.7	14.1	11:47	5.9	04:30	81.9	96.8	05:21	48.1	11:49			0	0	209	318	296	239	378	0	
24	11.1	15.0	14:49	8.9	01:26	81.1	97.3	23:59	50.0	15:18			0	0	117	420	504	88	311	0	
25	14.2	18.9	16:19	9.7	00:00	76.7	98.5	05:13	50.6	16:40			0	0	342	536	62	68	319	113	
26	15.4	19.4	14:38	13.0	01:54	84.6	95.7	08:43	70.6	14:37			0	0	0	501	517	176	246	0	
27	14.7	16.1	11:20	12.6	23:59	89.7	95.8	15:36	79.2	11:19			0	0	0	26	518	872	24	0	
28	13.7	17.5	12:37	9.6	05:01	70.0	97.0	05:00	49.3	16:39			0	0	480	410	38	184	228	0	
29	10.4	15.1	13:01	5.9	23:14	81.0	96.7	15:36	47.1	13:01			0	0	160	407	360	387	126	0	
30	9.7	13.9	16:47	5.8	02:05	72.1	97.0	03:37	41.6	16:45			0	0	468	425	141	211	195	0	
31	10.6	16.0	14:43	5.5	04:07	65.8	90.1	23:59	37.2	15:46			0	47	587	321	484	1	0	0	
Mean	13.1	17.7		8.9		78.8	95.5		53.7				0.00	0.63	2.83	6.02	6.12	4.51	2.89	0.17	
Hi	19.1	27.2		13.0		90.5	98.8		79.2	Tot	1440		0	1174	5255	11200	11386	8393	5369	323	
Lo	9.7	13.9		2.5		61.5	89.2		22.4												

Note. Aspirated Psychrometer exposed near house. Winds with a component from 030 deg can produce a distorted diurnal temperature profile. Compensation for this is made in post processing, and maxima are constrained to be within 0.2C of screen values about 500m away. Minima on radiation nights can also be about 1C higher than screen values, due partly to topography. No compensation is made for this. Humidity readings are similar to screen derived values under most conditions and in most instances can be considered more accurate due to controlled aspiration. The psychrometer is of experimental design, and logs one minute average values of temp and RH.

WOKINGHAM METEOROLOGICAL DATA

Wokingham Climatological Station, Emmbrook, Berkshire.

Lat 51°25'N 00°51'W NGR (SU)800699 Altitude 44m ASL

Seasonal Means and Totals

Spring 2006

Seasonal Means and Totals		Spring 2006		Rank in the past 125 years	
Temperature (°C)					
Mean maximum	13.6	(0.0)	51 st highest		
Mean minimum	5.5	(+0.8)	8 th highest		
Daily mean	9.6	(+0.5)	28 th highest		
Rainfall total (mm)	163.0	(112 %)	36 th highest		
Sunshine total (hours)	372.0	(94 %)			
N ^o of:					
Dry days	44 (-7)		Wet days	33 (+5)	
Days with: Air frost	14 (+3)	Ground frost	26 (-12)	Snow falling	8 (+4)
Thunder	4 (-1)	Hail ≥5mm	3	Small hail/ice	6
				Fog @09 GMT	1
				Nil sun	11
Air pressure MSL : Mean @09 GMT (mbar)	1013.4		(-2.2)		

Departure from 1971 to 2000 average shown in brackets.

Notes: **Mild. Wet. Very Dull.**

Temperature. This is the 10th consecutive spring in the mild or better category. However, the mean maximum this spring is lowest since 1996, and it is by virtue of a high mean minimum alone that the mean temperature falls into the mild category. The season's highest temperature, 27.2° on the 4th May, is 1.8° above the long-term median. This spring's lowest temperature, -6.7° on the 4th March, is lowest since 1986 and 11th lowest in 103 years, and is 2.4° below the median. The lowest max, 3.6° on the 6th March, is 0.8° below the median, while the highest min, 13.8° on the 27th May, is 1.3° above the median. The mean daily temperature range, 8.1°, is lowest since 1994. The mean grass minimum, 2.2°, is 0.6° above average, and the lowest grass min, -11.8° on the 4th March, is lowest since 2001. The mean earth temperature at 30 cm depth, 9.7°, and the highest value, 14.9°, are both lowest since 1996, and the lowest value, 3.3°, is lowest since 1986. At 1 metre depth the mean of 9.0° is lowest since 1996, and the lowest value, 6.0°, is equal lowest with 1996 and 1994 since before 1990. The duration of air frost, 100.4 hours, is most since 1996, and is 43.6 hours above average. **Rainfall.** 12 % above average, thanks entirely to a wet May. April was the driest month and May the wettest. Had the total this spring been just 1 mm less, the season would have fallen outside the wet category, nevertheless, the total is 25.5 mm above the long-term median. The wettest day was the 7th May with 14.9 mm, but the day with the longest duration was 11th May with 13.6 hours of measurable rain. The number of dry days is equal lowest with 2001 since 1994. The duration of measurable rain, 141.6 hours, is 13 more than average. A dry spell of 6 days ended on March 5th, and another of 8 days on March 22nd, with none in April and May. **Sunshine.** Despite about average sunshine in both March and April, the unusually poor showing in May brought this spring's total to only 372 hours, lowest since 2001 and before that 1983. April was the sunniest month, mean 4.52 hours, with May next having 4.34 hours, and lastly March with 3.28 hours. The sunniest day was the 11th May with 13.6 hours. Overall there were 41 days with <3 hours, 27 with =>6 hours, 9 with =>9 hours and 5 with =>12 hours. **Wind.** The overall mean wind speed this spring is 7.5 mph, 0.4 mph above average. March was the windiest month, mean 8.9 mph, and May the least windy, 6.7 mph. The windiest day was the 27th March, 17.3 mph, with the season's highest gusts of 46 mph on that day and the following one. The 6th May was the least windy day, 2.4 mph. There were 1302 minutes (21.7 hours) with a mean speed of 0.5 mph or less. Daily mean direction/number of days: N,11 NE,13 E,1 SE,4 S,11 SW,32 W,14 NW,6. **Humidity.** The overall mean relative humidity was 75.5 %, and the lowest value was 22 % on the 11th May. The mean water vapour content per kg of air was 5.9 g at 0900 GMT and 5.6 g at 1500 GMT. **Pressure.** The season's highest pressure, 1031.2 mbar, is lowest since 1988.

March. Temperature below normal. Rainfall and sunshine near normal. Windy. Coldest since 1996. Mean 30 cm temp equal lowest with 1996 since 1987, and lowest value lowest since 1986. Air frost duration highest since 1987. Windiest since 1995.

April. Mild. Dry. Sunshine near normal. Lowest grass min and mean earth temp at 1 m depth lowest since 1996. Fewest ground frosts since 1998.

May. Mild, wet and very dull. Mean min 3rd highest in 125 years. Lowest max 5th highest in 94 years. Wettest since 1983. Number of dry days equal lowest with 2002 since 1983. Hail 1.5 cm dia on 10th. Dullest since 1991, probably one of the 10 dullest Mays since 1908.

Month	Mean Max	Anom	Mean Min	Anom	Rain mm	Anom	Sun hrs	Anom	Wind Mn mph	Max gust	Mean pressure	Anom
March	9.3	-1.3	2.4	-0.5	44.7	95 %	101.8	103 %	8.9	46	1010.6	-5.0
April	13.9	+0.8	5.4	+1.3	31.6	65 %	135.6	105 %	6.8	44	1016.0	+0.7
May	17.7	+0.7	8.8	+1.8	86.7	173 %	134.6	79 %	6.7	41	1013.7	-2.2

B J Burton FRMetS.

Hon. Met. Officer to Wokingham Town Council.