

WOKINGHAM METEOROLOGICAL DATA

Wokingham Climatological Station, Emmbrook, Berkshire.

Lat/Long 51°25'N 00°51'W NGR (SU)798701 Altitude 46m ASL.

Monthly Means and Totals

MAY 2007

Temperature (°C / °F)			Anomaly	Rank in past 126 years			
Mean maximum	17.7	63.9	+0.7	42 nd highest			
Mean minimum	8.6	47.5	+1.6	6 th highest			
Daily mean	13.1	55.6	+1.1	18 th highest			
Highest maximum	24.9	76.8	on 24 th	Lowest maximum	11.1	52.0	on 28 th
Highest minimum	13.5	56.3	on 7 th	Lowest minimum	3.8	38.8	on 29 th
Mean grass minimum	5.6	42.1		Lowest grass minimum	-0.8	30.6	on 29 th
Mean earth @30 cm	14.5	58.1	+1.4	Earth @100 cm	14.3	57.7	+3.0
Frost duration (hrs)	0.0			Rain duration (hrs)	74.9		
Rainfall total (mm / in)	93.4	3.68	186 %	9 th highest			
Highest daily fall	26.8	1.06	on 27 th				
Number of: Dry days (<0.2mm)	13	Wet days (>0.9mm)	13	days ≥5mm	5		
Sunshine total (hrs)	163.0	Daily mean	5.26	96 %	Sunniest day	14.3	on 2 nd
N° days with: Air frost	0	Ground frost	4	Snow falling	0	Snow lying	0
Thunder	1	Hail ≥5mm	0	Small hail/ice	0	Fog @09	0
Air pressure MSL : Mean @09 GMT (mbar/in)	1011.7		-4.2	29.88			
Absolute highest		1024.3		30.25	on 23 rd		
Absolute lowest		994.2		29.36	on 11 th		

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

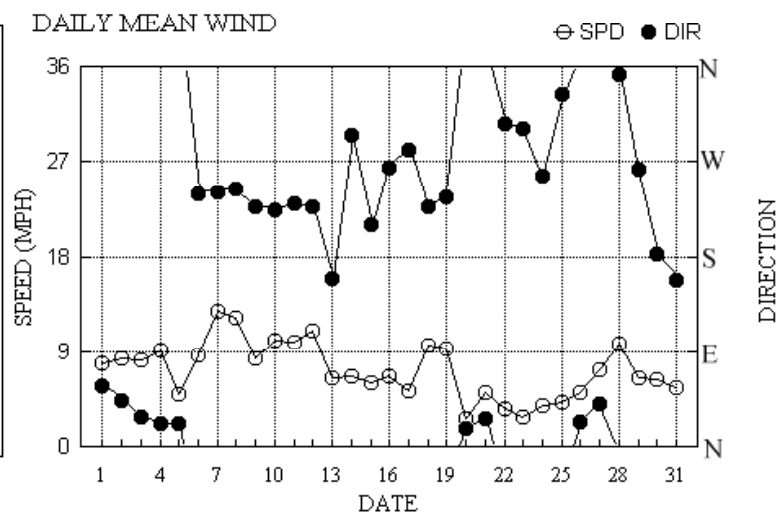
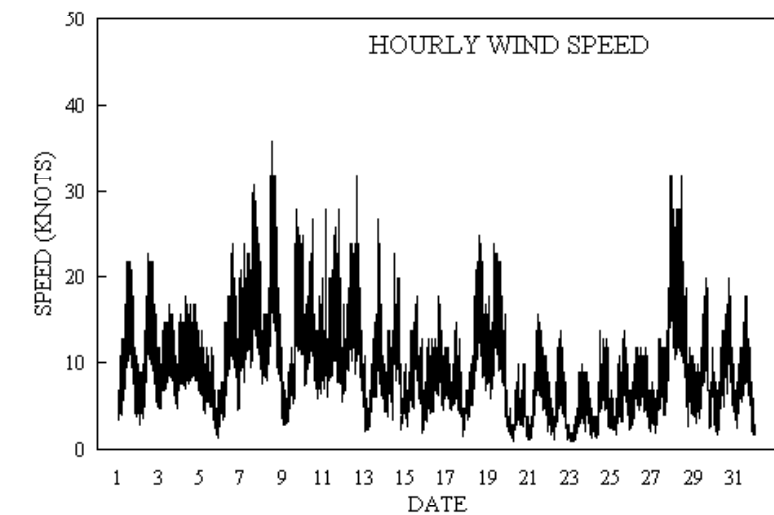
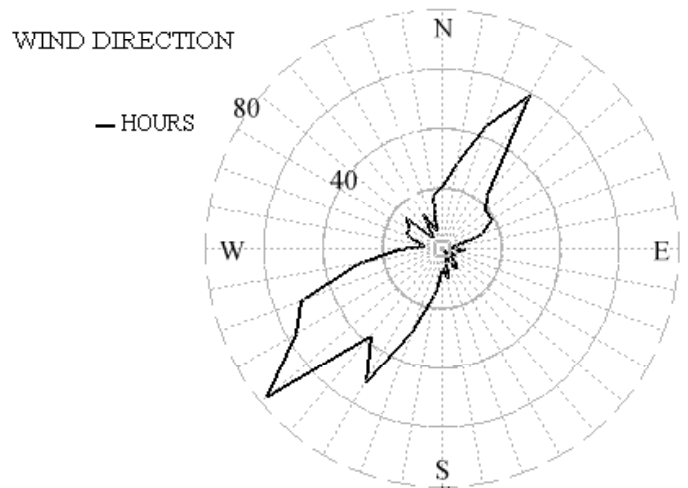
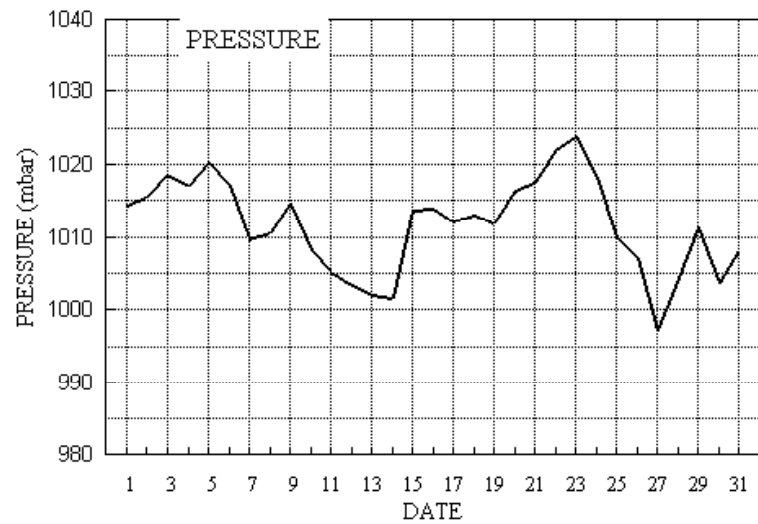
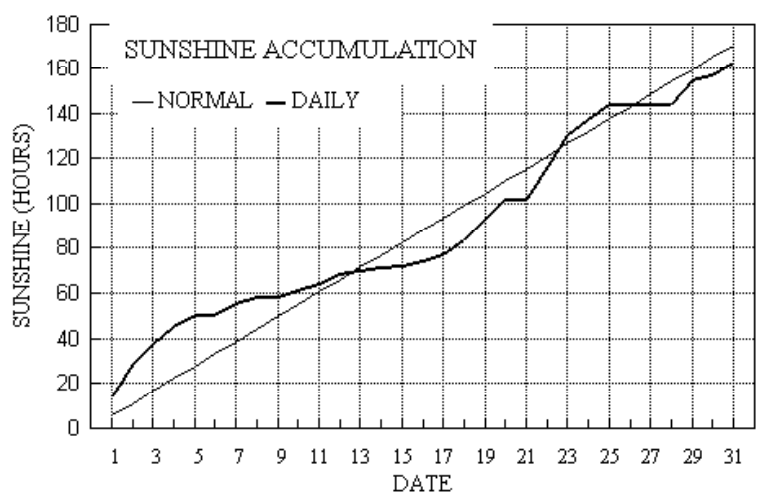
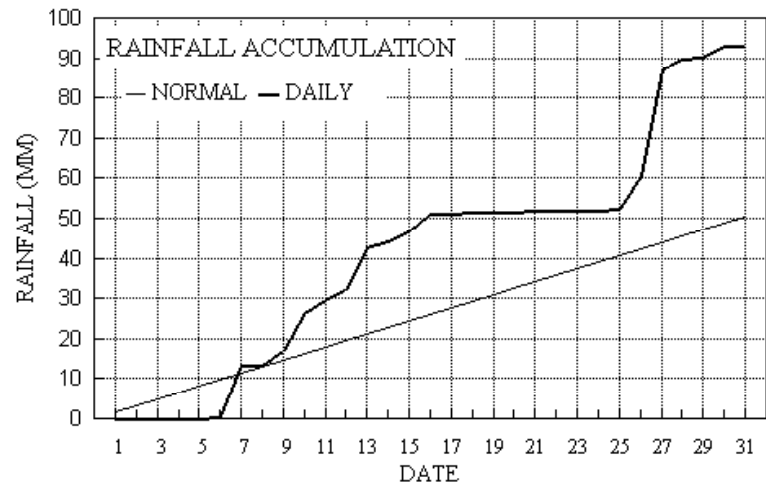
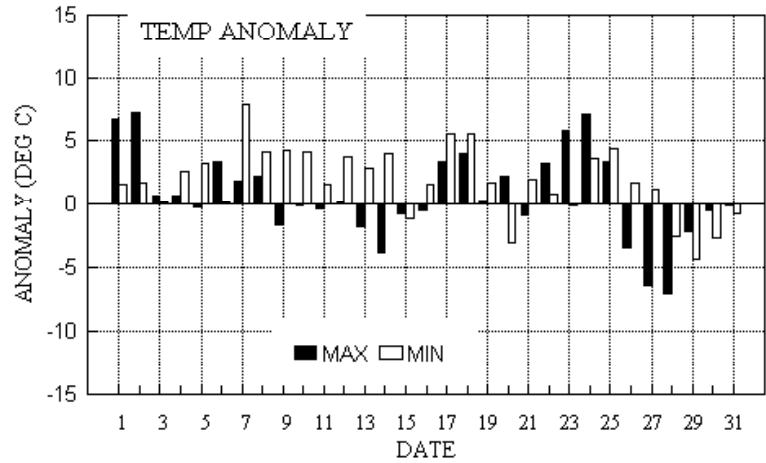
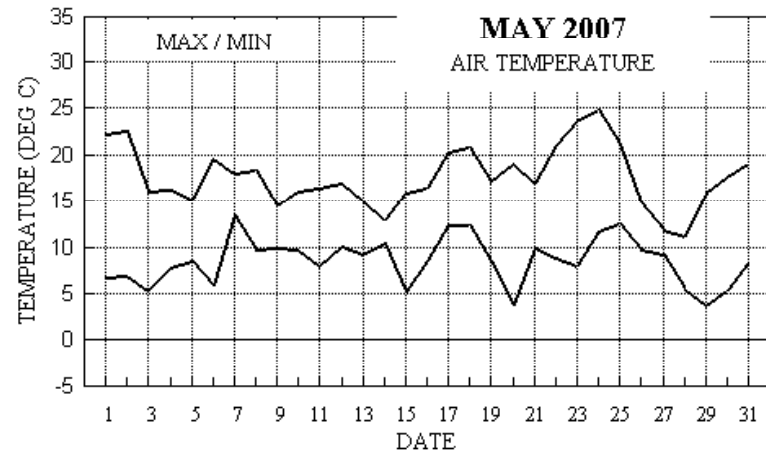
Notes: **Warm, Very Wet, Dull.**

Temperature: While the mean temperature is within the warm category (12.5° to 13.4°) for this month, it would not have been so had the mean minimum not been 6th highest in 126 years, to counteract the relatively poor showing for the mean maximum, which ranks only 42nd. Interestingly both max and min values are within 0.2° of May last year. The highest max is 0.3° below the median, and lowest since 2004 (we had 29.8° in 2005). The lowest max is 0.1° above the median and lowest since 2001. The lowest min is 3.3° above the median and 2nd highest to 1999 in the past 104 years. The highest min is 1.0° above the median and lowest since 2003. The lowest grass min is highest since 2000 as is the mean earth temp at 30 cm depth. The number of ground frosts is 2 fewer than average. **Rainfall:** A wet May, ranking 9th wettest in the past 126 years, and wettest since 1981. However, we seem to have missed some of the heavy downpours that affected other places nearby, e.g. May totals of over 129 mm at Stratfield Mortimer and over 127 mm in Bracknell. Our highest daily fall is highest since 1985, and ranks 12th highest in 104 years. The contrast of this May to the very dry April is most marked, from 3 % to 186 % of average rainfall. The number of dry days is 5 fewer than average, but is 1 more than last May. Rainfall duration is most since 1994. **Sunshine:** Well below average, but not as poor as in last May. The contrast with an exceptionally sunny April is again well marked, with 79.8 fewer hours this May. Overall there were 13 days with <3 hours, 12 days with =>6 hours, 6 days with =>9 hours and 4 days with =>12 hours. **Wind:** The mean speed of 7.3 mph is 0.7 mph above average and highest since 2002. The 7th was the windiest day, mean 12.8 mph, but the month's highest gust of 41 mph was on the 8th. The least windy days was the 20th, 2.6 mph, and there were 375 minutes, 6.25 hours, with a mean speed of 0.5 mph or less. Daily mean direction/number of days : N,4 NE,6 E,0 SE,0 S,3 SW,10 W,4 NW,4. **Humidity:** The overall mean relative humidity was 75.8 % and the lowest value was 21 % on the 22nd. The mean water vapour content per kg of air was 7.3 g at 0900 GMT and 6.8 g at 1500 GMT. **Pressure:** The mean pressure and the absolute highest are both lowest since 1983. **Commentary: From the 1st to the 10th:** Mean anomalies (max, min, rain, sun), +2.1°, +3.0°, 163 %, 113 %. Anomalies for daily max ranged from +7.2° on the 2nd to -1.7° on the 9th, while for min the range was from +7.9° on the 7th, the month's mildest night, to +0.1° on the 3rd. April's dry conditions continued until the 5th May, with a 9 day dry spell ending on that day, but by the 10th 26.5 mm had accumulated. Sunny at first, with >90 % of the max possible on the 1st and 2nd, but <30 % from the 5th onwards. Moderate NE'ly winds backed SW'ly on the 6th, increasing fresh on the 7th, and temporarily strong on the 8th. **From the 11th to the 20th:** Mean anomalies +0.3°, +2.2°, 155 %, 75 %. Anomalies for daily max ranged from +4.0° on the 18th to -3.9° on the 14th, while for min the range was from +5.5° on the 18th to -3.1° on the 20th. Wet until the 16th, after which only 0.4 mm fell, giving a 10 day total of 25.1 mm. Sunshine was poor, 7 days with <30 % of the max, and only the 19th with >60 %. Fresh SW'ly winds became moderate on the 14th, temporarily dropping light on the 17th, increasing fresh on the 18th, dropping light N'ly on the 20th. **From the 21st to the 31st:** Mean anomalies -0.1°, +0.3°, 235 %, 100 %. Anomalies for daily max ranged from +7.1° on the 24th, the month's warmest day, to -7.1° on the 28th, the month's coolest. For min the daily anomalies ranged from +4.4° on the 25th to -4.3° on the 29th, the month's coolest night. This was the wettest period in the month, with an 11 day total of 41.8 mm, helped by the 26.8 mm on the 27th, the month's wettest day. 3 days with >60 % of max sunshine, and 5 days with <30 %. Light winds between N and W became fresh NE'ly on 27th, backing N'ly on 28th, backing moderate S'ly by the 31st.

B J Burton FRMetS.

Hon. Met. Officer to Wokingham Town Council.

Wokingham Climatological Graphs for May 2007



Month: MAY 2007

Date	Max C	Min C	Rain mm	Grass Min	30cm C	100cm C	Sun hrs	Frost hrs	pp09 mbar	Af Gf	Sf Sl	Th Ha	Ic Fg	Vec mean ddd ff sp	Max gust ddd gg HHhh	High hr ddd ff HH	Rain hrs							
1	22.2	6.8	0.0	0.4	13.8	13.3	14.2	0.0	1014.4	0	0	0	0	57	6.7	6.9	70	22	1343	70	12	14	0.0	
2	22.7	7.0	0.0	1.5	13.9	13.4	14.3	0.0	1015.6	0	0	0	0	44	7.2	7.3	60	23	1128	50	11	14	0.0	
3	16.1	5.4	0.0	-0.6	14.1	13.5	8.9	0.0	1018.6	0	1	0	0	28	7.0	7.1	30	17	1240	20	9	12	0.0	
4	16.2	7.9	0.0	4.3	14.1	13.6	7.9	0.0	1017.1	0	0	0	0	22	7.8	7.9	30	18	0720	30	10	08	0.0	
5	15.2	8.5	0.0	8.3	14.1	13.7	5.3	0.0	1020.1	0	0	0	0	22	3.4	4.3	20	14	0129	20	7	01	0.0	
6	19.6	5.8	0.2	-0.5	13.7	13.8	0.1	0.0	1017.1	0	1	0	0	240	7.2	7.5	260	24	1450	260	11	14	0.7	
7	18.0	13.5	12.9	12.4	14.0	13.8	4.9	0.0	1009.6	0	0	0	0	242	11.0	11.1	250	31	1452	250	15	15	2.7	
8	18.4	9.7	0.1	7.1	14.0	13.9	3.0	0.0	1010.6	0	0	0	0	245	10.5	10.6	260	36	1130	260	17	11	0.3	
9	14.5	9.9	3.6	9.6	14.1	13.9	0.1	0.0	1014.5	0	0	0	0	227	7.1	7.2	230	28	1747	230	14	17	2.0	
10	16.1	9.7	9.7	7.0	14.0	14.0	3.0	0.0	1008.2	0	0	0	0	225	8.5	8.7	230	27	1115	230	13	11	8.8	
11	16.4	8.0	3.1	6.1	14.0	14.0	2.9	0.0	1005.3	0	0	0	0	230	7.5	8.5	320	28	0216	310	12	02	1.5	
12	16.9	10.1	2.5	7.4	13.9	14.1	4.0	0.0	1003.5	0	0	0	0	228	9.4	9.5	230	32	1502	230	13	15	1.3	
13	15.0	9.3	10.4	6.5	14.1	14.1	1.2	0.0	1002.0	0	0	0	1	159	3.7	5.6	200	27	1628	210	13	16	5.3	
14	12.9	10.4	1.6	9.1	13.8	14.1	1.5	0.0	1001.7	0	0	0	0	296	2.3	5.7	350	23	1003	350	10	10	1.9	
15	16.0	5.2	2.6	-0.4	13.3	14.1	0.7	0.0	1013.8	0	1	0	0	210	5.0	5.3	200	18	1245	210	9	11	1.9	
16	16.4	8.5	4.5	6.3	13.6	14.1	2.8	0.0	1014.0	0	0	0	0	265	5.1	5.8	250	18	1343	250	9	15	6.0	
17	20.3	12.4	0.1	12.3	14.0	14.0	2.4	0.0	1012.1	0	0	0	0	282	3.2	4.6	310	15	1018	300	7	10	0.2	
18	20.9	12.4	0.3	7.3	14.4	14.1	6.4	0.0	1013.1	0	0	0	0	228	8.2	8.3	220	25	1458	240	13	13	0.6	
19	17.2	8.6	tr	6.5	14.7	14.2	10.1	0.0	1012.0	0	0	0	0	236	7.9	8.1	240	24	0733	240	13	08	0.0	
20	19.1	3.8	tr	0.1	14.4	14.3	8.5	0.0	1016.4	0	0	0	0	17	0.9	2.3	20	10	1753	360	4	18	0.0	
21	16.9	10.0	0.3	6.5	14.8	14.4	0.1	0.0	1017.6	0	0	0	0	26	4.3	4.4	40	16	1008	30	7	08	1.1	
22	21.1	8.9	0.0	5.4	14.6	14.5	14.3	0.0	1021.9	0	0	0	0	306	2.7	3.1	360	14	1345	260	6	12	0.0	
23	23.6	8.0	0.0	4.8	15.4	14.5	13.5	0.0	1023.9	0	0	0	0	301	0.9	2.4	50	10	1349	210	5	19	0.0	
24	24.9	11.7	0.0	8.6	16.4	14.7	7.7	0.0	1018.1	0	0	0	0	257	2.8	3.3	240	14	1156	250	6	14	0.0	
25	21.2	12.5	0.5	8.0	17.0	14.9	6.2	0.0	1010.0	0	0	0	0	334	2.6	3.7	340	14	1456	330	7	14	0.9	
26	14.8	9.8	8.0	9.4	17.1	15.2	0.4	0.0	1007.0	0	0	0	0	23	4.0	4.4	340	12	0415	30	6	12	8.7	
27	11.8	9.3	26.8	9.4	16.3	15.4	0.0	0.0	997.1	0	0	0	0	40	5.8	6.2	20	32	2215	20	15	22	20.7	
28	11.1	5.6	2.8	5.3	15.0	15.5	0.0	0.0	1004.2	0	0	0	0	353	8.0	8.5	360	32	0910	360	12	08	6.6	
29	16.0	3.8	0.4	-0.8	13.6	15.4	10.4	0.0	1011.2	0	1	0	0	263	5.1	5.6	260	20	1512	260	10	16	1.2	
30	17.7	5.4	2.9	0.9	14.1	15.2	2.5	0.0	1003.6	0	0	0	0	183	4.4	5.6	210	20	1747	210	10	16	2.4	
31	19.1	8.3	0.1	4.4	14.1	15.0	5.7	0.0	1008.2	0	0	0	0	158	4.5	4.8	180	18	1337	170	8	13	0.1	
Total			93.4				163.0	0.0																74.9
Mean	17.7	8.6		5.6	14.5	14.3	5.26	0.0	1011.7					260	1.9	6.3								
Anom	+0.7	+1.6	186%		+1.4	+3.0	96%																	
Daily mean		13.1																						
Anom		+1.1																						

Number of days with:

Air frost = 0 Ground frost = 4 Nil sun = 2
 Snow falling = 0 Snow lying = 0 Thunder = 1
 Hail=>5mm = 0 Hail<5mm or ice = 0 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 2007

Date	VV	N	dd	ff	gg	TT	TdTd	RH	r	PPP	a	pppww	W1W2	NhCl	hCrCl	NChshs	NChshs	NChshs	Date	Remarks					
1	75	1	06	08	17	16.6	7.9	56	6.6	1014.4	0	000	02	0	0	0	0	0	1	81081	1	COTRA			
2	80	1	04	08	16	16.3	6.5	52	6.0	1015.6	0	001	02	0	0	0	0	0	1	81075	2				
3	62	7	02	07	16	10.7	6.2	74	5.9	1018.6	1	004	01	2	2	7	5	4	/	/	87615	3			
4	63	7	02	09	18	9.9	5.3	73	5.5	1017.1	1	005	01	2	2	7	5	5	/	/	87620	4			
5	65	8	01	05	12	10.0	4.4	68	5.1	1020.1	2	012	02	2	2	8	5	5	/	/	88623	5			
6	59	7	24	09	20	14.7	10.3	75	7.8	1017.1	8	012	05	2	2	6	5	4	7	8	81712	86615	87272	6	4Ac62
7	68	8	24	11	21	15.4	13.1	86	9.4	1009.6	7	006	50	6	5	8	5	4	/	/	82712	86615	88620	7	
8	80	7	23	10	20	13.4	8.8	74	7.1	1010.6	6	014	01	2	2	6	8	5	3	1	83820	85630		8	3Ac62 /Ci75
9	82	8	21	05	09	12.7	8.9	78	7.1	1014.5	2	006	03	2	2	3	8	4	2	/	83812	88457		9	1Sc30 Cu med
10	78	7	23	12	22	13.9	8.1	68	6.7	1008.2	8	003	03	1	1	2	1	5	7	1	82823	83365	87072	10	2Ac62 COTRA Cu hum
11	80	7	24	09	19	12.7	8.3	74	6.9	1005.3	1	021	15	1	1	6	8	5	7	2	83820	84640		11	/Ac58 /Ci70 Cu med jp SW
12	82	5	25	12	24	15.2	8.5	64	7.0	1003.5	2	020	03	1	1	5	8	5	3	1	85825			12	1Sc45 1Ac58 1Ci75 COTRA Cu med
13	58	8	09	04	10	12.3	11.0	92	8.3	1002.0	8	025	62	6	2	7	8	4	2	/	81815	87640	88550	13	2Sc030 Cu fra/hum
14	25	8	27	04	08	10.5	9.7	95	7.6	1001.7	2	028	59	6	5	7	7	2	/	/	82705	87707	88612	14	
15	56	8	19	04	10	11.3	10.1	92	7.7	1013.8	7	009	63	6	2	2	7	3	2	/	82708	88540		15	1Sc25
16	80	7	30	04	11	13.8	8.4	70	6.9	1014.0	1	008	03	2	2	2	1	5	3	1	82820	87080		16	1Ac62 COTRA Cu hum U/a cont faint
17	50	8	31	07	14	15.5	14.4	93	10.3	1012.1	2	026	50	6	5	8	5	3	/	/	82706	86710	88620	17	vv 12km NE
18	84	1	24	08	18	18.1	12.1	68	8.8	1013.1	8	011	01	1	1	1	1	5	0	0	81822			18	Cu fra/hum
19	70	3	23	12	22	14.6	5.8	55	5.7	1012.0	1	007	03	0	0	3	8	6	0	0	83832			19	1Sc50 Cu med
20	80	6	09	02	07	14.1	7.4	64	6.4	1016.4	8	001	03	1	1	1	1	5	3	1	81828	86075		20	1Ac65 2Ci70 Cu hum COTRA Parhelion
21	80	8	03	07	16	13.3	9.4	78	7.3	1017.6	2	006	21	6	2	8	0	8	7	/	86357	88460		21	
22	80	5	34	02	09	16.7	8.5	58	6.8	1021.9	1	009	03	1	1	0	0	9	0	2	85075			22	Halo 22° part
23	86	1	03	02	05	19.4	10.8	57	8.0	1023.9	7	006	03	0	0	1	1	6	0	1	81835			23	1Ci78 Cu hum
24	65	1	23	02	04	21.5	15.9	70	11.2	1018.1	8	011	03	0	0	1	2	5	0	0	81825			24	Cu med. Wind dim var
25	62	6	28	04	09	17.6	13.4	76	9.6	1010.0	7	003	03	1	1	2	1	4	3	1	82818	85075		25	1Ac68 COTRA U/a cont
26	75	8	01	05	10	10.3	7.8	85	6.6	1007.0	2	002	60	6	5	8	8	5	/	/	81825	88630		26	Cu hum
27	40	8	08	04	09	10.8	10.0	95	7.8	997.1	7	010	63	6	6	7	7	2	2	/	83705	87708	88520	27	
28	63	8	35	12	26	6.3	3.9	85	5.1	1004.2	2	022	61	6	6	7	5	4	2	/	82615	87620	88530	28	
29	88	3	31	05	11	10.9	3.9	62	5.0	1011.2	3	007	03	0	0	2	8	5	3	1	82828			29	1Sc40 2Ac65 2Ci70 Cu med
30	75	8	10	05	11	11.4	9.2	86	7.3	1003.6	8	029	21	6	2	8	5	4	/	/	81615	87620	88650	30	
31	63	7	16	07	14	14.8	11.8	83	8.7	1008.2	2	004	25	8	2	4	9	4	6	3	81915	83820		31	1Sc45 3Ac57 2Ac60 /Ci72 CbNW

Mean vis = 23.8 km

Mean cloud = 6.0 75%

Mean wind speed = 6.6 kn

Mean gust = 14 kn

Mean TT = 13.7 C

Mean TdTd = 9.0 C

Mean RH = 74.4 %

Mean r = 7.3 g/kg

Mean PPP = 1011.7 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 2007

Date	VV	N	dd	ff	gg	TT	TdTd	RH	r	PPP	a	pppww	W1W2	NhCl	hCrCl	NChshs	NChshs	NChshs	Date	Remarks	
1	82	0	06	10	25	21.0	2.1	28	4.4	1013.0	7	010	02	0	0	0	0	9	0	0	1
2	84	1	05	11	25	21.8	0.2	24	3.8	1014.4	7	004	02	0	0	1	1	7	0	0	2
3	63	1	03	09	17	15.0	6.3	56	5.9	1017.1	7	012	01	1	1	1	5	0	0	0	3
4	65	1	01	07	15	15.8	5.8	51	5.7	1015.8	8	007	02	1	1	1	1	6	0	0	4
5	65	2	03	02	11	13.3	5.3	59	5.5	1020.0	7	008	01	1	1	2	5	0	4	0	5
6	81	8	25	11	23	18.9	3.2	35	4.7	1015.0	7	011	01	2	2	1	8	6	7	7	6
7	86	6	25	16	32	16.8	7.7	55	6.5	1008.7	5	002	02	6	2	2	2	6	7	1	7
8	80	7	26	15	32	16.8	5.8	48	5.7	1011.2	2	002	03	1	1	2	2	6	5	2	8
9	20	8	20	06	11	14.0	13.2	94	9.4	1011.7	8	025	59	6	5	8	7	2	/	/	9
10	56	8	21	07	14	10.8	9.6	92	7.5	1005.1	8	012	63	6	6	7	7	3	2	/	10
11	75	8	21	08	20	12.6	9.4	81	7.4	1004.8	8	012	80	8	2	8	8	5	/	/	11
12	65	7	23	13	25	15.7	9.5	66	7.4	1005.1	1	007	25	8	2	7	8	5	/	/	12
13	80	7	16	07	17	14.2	11.8	85	8.7	995.7	6	028	01	6	2	7	8	4	/	/	13
14	73	7	33	08	22	12.1	6.2	67	5.9	1009.9	1	027	01	8	2	5	8	5	7	/	14
15	84	6	21	06	11	14.5	11.6	82	8.5	1010.5	7	017	25	8	2	3	8	5	7	2	15
16	75	8	26	06	13	13.7	9.6	76	7.4	1013.7	7	004	60	6	2	8	8	4	/	/	16
17	82	7	35	04	12	17.6	13.2	75	9.4	1015.7	2	016	02	2	2	7	8	5	/	/	17
18	78	5	22	12	24	18.1	9.9	58	7.6	1010.1	6	011	03	1	1	5	8	5	0	0	18
19	81	6	25	10	21	15.6	5.7	52	5.7	1012.5	2	006	15	8	1	4	8	6	6	0	19
20	81	6	07	01	07	17.3	4.5	42	5.2	1014.9	8	011	02	6	2	3	8	7	3	2	20
21	68	8	02	06	13	13.5	10.4	81	7.8	1017.6	0	001	60	6	2	7	8	5	7	/	21
22	86	2	33	04	11	20.8	2.0	29	4.3	1021.8	8	002	01	1	1	0	0	9	0	2	22
23	82	2	30	02	07	22.4	11.1	49	8.1	1021.5	6	010	02	0	0	2	4	6	0	0	23
24	72	6	24	06	12	24.2	13.5	51	9.5	1014.4	8	023	02	2	2	6	8	6	0	0	24
25	68	7	35	08	15	19.6	12.5	64	9.0	1007.8	6	005	03	2	2	5	8	6	3	1	25
26	80	7	06	05	09	12.6	6.3	65	6.0	1005.6	6	011	15	2	2	7	8	5	/	/	26
27	58	8	05	04	11	10.6	9.7	94	7.6	995.8	7	004	62	6	2	8	8	4	/	/	27
28	82	8	36	08	18	17.4	4.9	84	5.4	1007.9	1	012	61	6	2	4	8	5	2	/	28
29	84	3	25	08	20	15.4	-0.1	34	3.8	1010.0	6	005	15	1	1	3	9	6	6	0	29
30	80	7	21	07	13	15.7	12.4	81	9.0	1002.5	3	010	21	6	2	3	1	4	8	1	30
31	82	4	15	08	16	17.4	7.9	53	6.6	1008.2	2	001	01	2	2	3	2	6	0	1	31

Mean vis = 29.9 km
 Mean cloud = 5.5 69%
 Mean wind speed = 7.6 kn
 Mean gust = 17 kn
 Mean TT = 16.0 C
 Mean TdTd = 7.8 C
 Mean RH = 61.6 %
 Mean r = 6.8 g/kg
 Mean PPP = 1010.9 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 METEOROLOGICAL DATA

Wokingham Climatological Station, Emmbrook, Berkshire.

Lat 51°25'N 00°51'W NGR (SU)798701 Altitude 46m ASL

Seasonal Means and Totals

SPRING 2007

Temperature (°C)	Rank in the past 126 years											
Mean maximum	16.2	(+2.6)	2 nd highest									
Mean minimum	5.7	(+1.0)	6 th highest									
Daily mean	10.9	(+1.8)	* Highest *									
Rainfall total (mm)	137.8	(94 %)	63 rd highest									
Sunshine total (hours)	581.2	(147 %)										
N ^o of:	Dry days	60 (+9)	Wet days	22 (-6)								
Days with:	Air frost	7 (-4)	Ground frost	36 (-2)	Snow falling	4 (0)	Snow lying	0 (0)				
Thunder	2 (-3)	Hail ≥5mm	1	Small hail/ice	2	Fog @09 GMT	0 (-2)	Nil sun	5			
Air pressure MSL : Mean @09 GMT (mbar)	1017.4		(+1.8)									

Departure from 1971 to 2000 average shown in brackets.

Notes: **Record High Mean Temperature. Normal Rainfall. Very Sunny.**

Temperature: Yet again we can report a new temperature record, in itself an exceptional event, but even more remarkable when it is seen that this is now the 4th consecutive season to have broken existing temperature records, from summer 2006 to spring 2007. The mean temperature this spring is 0.2° above the previous highest in 1945. The mean maximum is 1.4° below the highest recorded in 1893, yet is 2nd highest, attesting to the unusual spring of 1893. The mean min is 0.6° below the record set in 1998, and is highest since 1999. The highest max, 24.9° on the 24th May, is 0.4° below the median, and 6.9° below the record set in 1944. The lowest max, 6.4° on the 20th March, is 2.0° above the median, and is 6.9° above the lowest, in 1942. The highest min, 13.5° on the 7th May, is 1.0° above the median, while the lowest min, -3.6° on the 22nd March, is 0.6° above the median, and 7.6° above the -11.2° recorded in spring 1947. The mean grass minimum, 2.2°, is a little above average, and the lowest grass min, -8.3° on the 22nd March, is highest since 1997. Mean earth temperatures at 30cm and 1 m depth, 11.3° and 11.7° resp, are both new record highs. There were 21.4 hours with air frost, lowest since 1994 (average 56.8 hrs). **Rainfall:** Overall the rainfall total this spring is almost exactly on the long-term median. However, there were large temporal variations, with a near normal March followed by an exceptionally dry April (3% of average), then a very wet May (186% of average). The wettest day was the 27th of May when 26.8 mm fell, the wettest spring day since 1993, and 9.2 mm above the median value. There were a number of dry spells: 9 days ending 17th March, 6 days ending 28th March, 23 days ending 22nd April and 9 days ending 5th May. Also, only 1.7 mm of rain fell in the 37 day period ending 6th May. Snow and sleet showers were recorded on the 18th to 20th and 22nd March. Hail of 1 cm dia fell on the 18th March. There was thunder on the 19th March and 13th May. **Sunshine:** It was a very sunny spring, both March and April were in the very sunny category, with only May falling just short of average. The spring total is highest since 1997. The sunniest day was the 2nd May with 14.3 hours. Overall there were 27 days with <3 hours, 52 with =>6 hours, 25 with =>9 hours, and 10 with =>12 hours. **Wind :** The mean wind speed of 6.8 mph this spring is just a little below average. The windiest day was the 5th March, mean 15.3 mph, and the season's highest gust of 51 mph occurred on the following day, the 6th March. The 5th April was the calmest day, mean 2.3 mph, and there were 39.8 hours with a mean speed of 0.5 mph or less. Daily mean direction/number of days: N,15 NE,23 E,1 SE,1 S,6 SW,20 W,17 NW,9. **Humidity:** The overall mean relative humidity was 74.1%, and the lowest value recorded was 21% on both the 19th April and 22nd May. The mean water vapour content per kg of air was 6.2 g at 0900 and 5.8 g at 1500 GMT. **Pressure:** The extremes of pressure this spring were 1038.2 mbar on the 10th March and 988.1 mbar on the 2nd March.

March: Mild with near normal rainfall and very sunny. The highest min was lowest since 1984.

April: Record high temperatures, very dry, very sunny. A remarkable month, warmest since before 1882. The mean max is 1.6° above the average for May. The mean daily temperature range is highest since 1893. The highest min is a new record high. Earth temperatures are new high records. Driest since 1912 with just 1.5 mm of rain. New record high number of dry days. Probably the 2nd sunniest in 100 years.

May: Warm, wet and dull. Mean min 6th highest in 126 years. Lowest min 2nd highest in 104 years. 9th wettest May in 126 years and wettest since 1981. Highest daily rainfall most since 1985. Rainfall duration most since 1994. 79.8 fewer sunshine hours than in April. Mean pressure lowest since 1983.

Month	Mean Max	Anom	Mean Min	Anom	Rain mm	Anom	Sun hrs	Anom	Wind Mn mph	Max gust	Mean pressure	Anom
March	12.4	+1.8	3.2	+0.3	42.9	91%	175.4	177%	7.7	51	1017.1	+1.5
April	18.6	+5.5	5.3	+1.2	1.5	3%	242.8	188%	5.4	33	1023.5	+8.2
May	17.7	+0.7	8.6	+1.6	93.4	186%	163.0	96%	7.3	41	1011.7	-4.2

B J Burton FRMetS.

Hon. Met. Officer to Wokingham Town Council.