

# 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

MARCH 2007

Temperature (°C / °F)			Anomaly	Rank in past 126 years					
Mean maximum	12.4	54.3	+1.8	15 <sup>th</sup> highest					
Mean minimum	3.2	37.8	+0.3	31 <sup>st</sup> highest					
Daily mean	7.8	46.0	+1.0	18 <sup>th</sup> highest					
Highest maximum	17.8	64.0	on 27 <sup>th</sup>	Lowest maximum	6.4	43.5	on 20 <sup>th</sup>		
Highest minimum	7.8	46.0	on 17 <sup>th</sup>	Lowest minimum	-3.6	25.5	on 22 <sup>nd</sup>		
Mean grass minimum	-0.1	31.8		Lowest grass minimum	-8.3	17.1	on 22 <sup>nd</sup>		
Mean earth @30 cm	7.9	46.2	+1.0	Earth @100 cm	9.5	49.1	+2.3		
Frost duration (hrs)	17.1			Rain duration (hrs)	43.9				
Rainfall total (mm / in)	42.9	1.73	91 %	58 <sup>th</sup> highest					
Highest daily fall	13.1	0.52	on 4 <sup>th</sup>						
Number of: Dry days (<0.2mm)	19	Wet days (>0.9mm)	9	days ≥5mm	3				
Sunshine total (hrs)	175.4	Daily mean	5.66	177 %	Sunniest day	11.7	on 26 <sup>th</sup>		
N° days with: Air frost	5	Ground frost	18	Snow falling	4	Snow lying	0		
Thunder	1	Hail ≥5mm	1	Small hail/ice	2	Fog @09	0	Nil sun	2
Air pressure MSL : Mean @09 GMT (mbar/in)	1017.1		+1.5	30.03					
Absolute highest	1038.2			30.66		on 10 <sup>th</sup>			
Absolute lowest	988.1			29.18		on 2 <sup>nd</sup>			

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

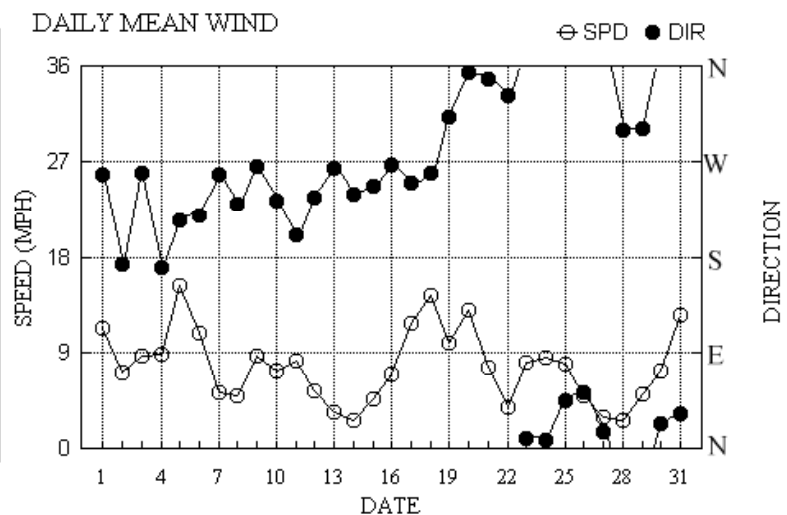
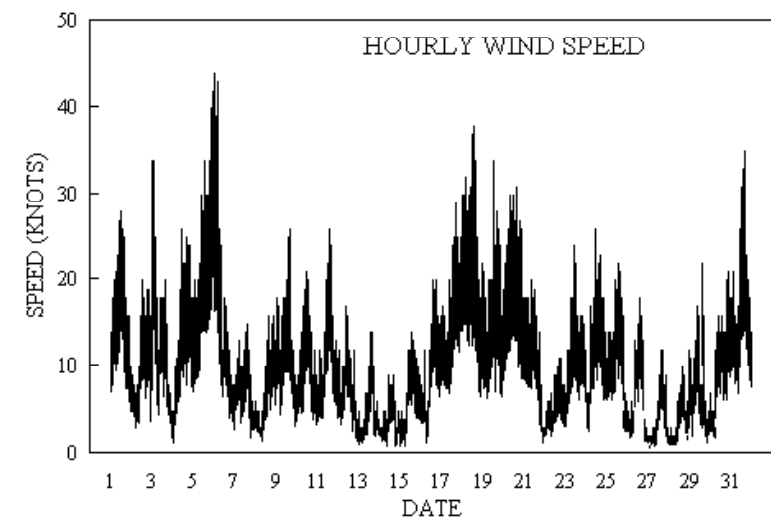
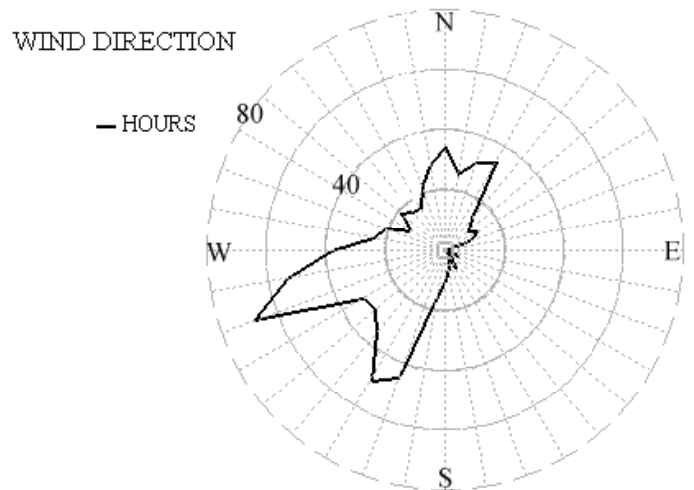
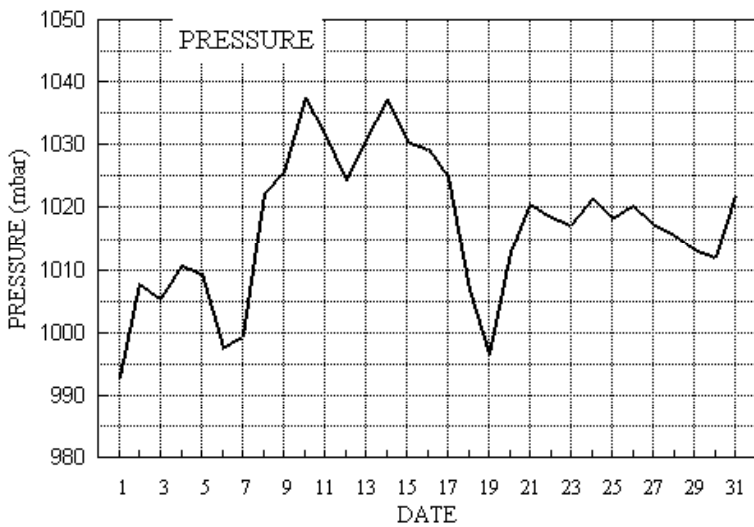
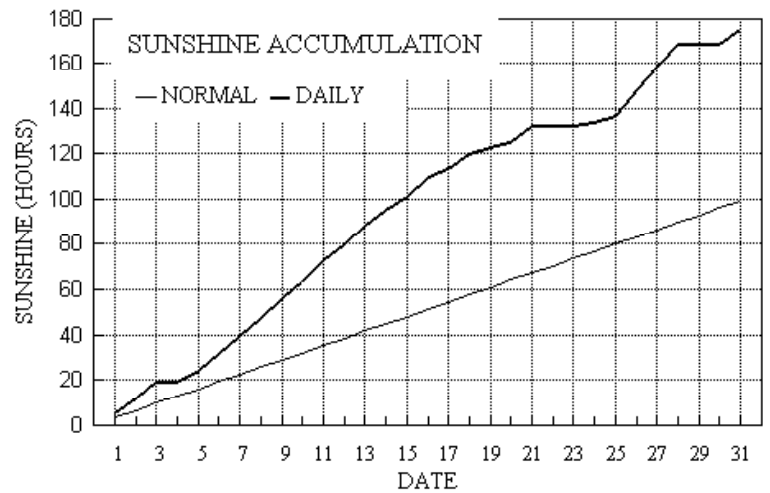
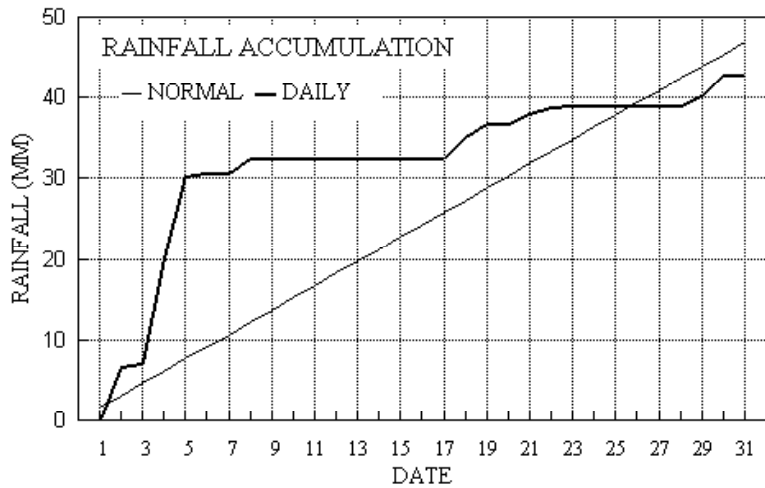
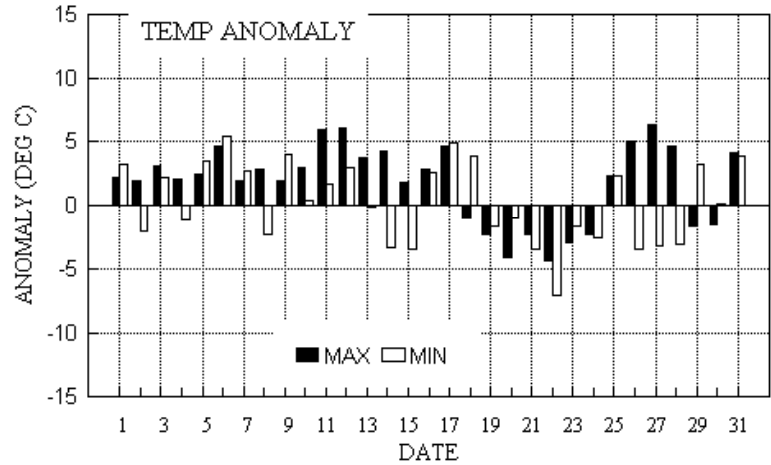
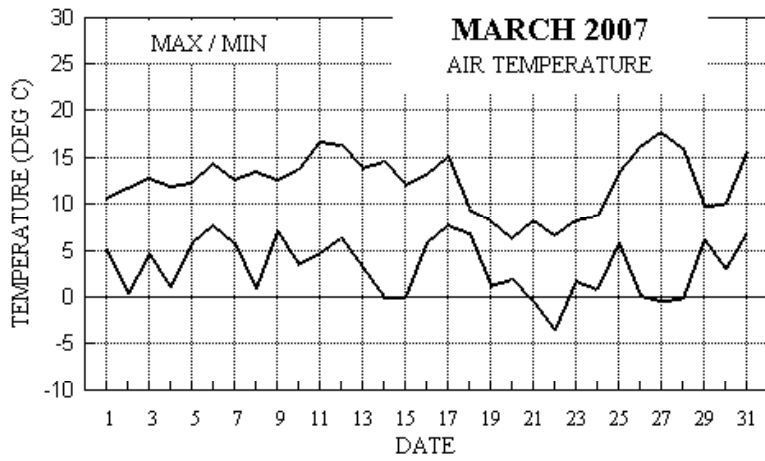
Notes: **Mild. Rainfall Near Normal. Very Sunny.**

**Temperature.** While the mean this March is 1.0° above the current climatological average, it is 1.4° above the long-term median, and is well within the mild category. The highest maximum is 1.1° above the median and 4.8° below the record set in 1965, while the lowest minimum is 0.5° above the median and 7.6° above the record set in 1947. The lowest max is 1.9° above the median, but the highest min is 1.0° below its median, and lowest since 1984. The mean grass minimum is equal to the average for the past 28 years, but the lowest grass min is highest since 1997. Earth temperature at 30 cm depth is highest since 2002, but at 1 m depth is highest since before 1990 (but the change in station site in 2006 may affect this). **Rainfall.** The wet weather during the last week of February spilled over into March, with already a total of over 30 mm recorded by the 5<sup>th</sup>. Drier conditions then ensued, and a 9 day dry spell ended on the 17<sup>th</sup>, with another of 6 days to the 28<sup>th</sup>, and with just 29 % of the month's total falling after the 5<sup>th</sup>. Snow, sleet and hail showers were recorded on the 18<sup>th</sup>, 19<sup>th</sup> and 20<sup>th</sup>, with thunder also on the 19<sup>th</sup>, and further snow fell on the 22<sup>nd</sup>, though it was never cold enough to lay except temporarily. **Sunshine.** It was a very sunny March, even so March 2003 was sunnier with 13 hours more. The period 1<sup>st</sup> to 16<sup>th</sup> had over 50 % of the maximum possible on each day except the 4<sup>th</sup> and 5<sup>th</sup>, and 4 days had over 70 % of the maximum. After the 16<sup>th</sup> sunshine was more variable, and only 4 days had over 50 % of the max, though the 26<sup>th</sup> and 27<sup>th</sup> had over 80 %. Overall there were 8 days with <3 hours, 18 with =>6 hours and 4 with =>9 hours. **Wind.** The mean wind speed this month was an exactly average 7.7 mph. The windiest day was the 5<sup>th</sup>, mean speed 15.0 mph, but the month's highest gust of 51 mph was on the 6<sup>th</sup>. The 14<sup>th</sup> was the least windy day, mean 2.5 mph, and there were 575 minutes (9.58 hours) with a mean speed of 0.5 mph or less. Daily mean direction/number of days: N,5 NE,4 E,0 SE,0 S,3 SW,6 W,9 NW,4. **Humidity.** The overall mean relative humidity was 76.9 %, and the lowest value reached was 27 % on the 11<sup>th</sup>. The mean water vapour content per kg of air was 5.0 g at 0900 GMT and 4.8 g at 1500 GMT. **Commentary. From the 1<sup>st</sup> to the 10<sup>th</sup> :** Mean anomalies, (max, min, rain, sun), +2.6°, +1.6°, 214 %, 197 %. Daily max temps were above normal throughout, with anomalies ranging from +4.6° on the 6<sup>th</sup> to +1.9° on the 7<sup>th</sup> and 9<sup>th</sup>. Anomalies for min were more variable, in the range +5.4° on the 6<sup>th</sup> to -2.3° on the 8<sup>th</sup>. This was by far the wettest period in the month, with 13.1 mm on the 4<sup>th</sup>, the month's wettest day, followed by another 10.2 mm on the following day, but there were also 4 dry days and a 9 day dry spell commenced on the 9<sup>th</sup>. Despite the rain, it was also the sunniest part of the month, just sunless on the 4<sup>th</sup>, and 5 days with over 60 % of the maximum. Winds were between S and W throughout, moderate or fresh at first, becoming very strong on the 5<sup>th</sup>, the month's windiest day, decreasing strong on the 6<sup>th</sup>, then mainly moderate from the 7<sup>th</sup> on. **From the 11<sup>th</sup> to the 20<sup>th</sup> :** Mean anomalies, +2.2°, +0.7°, 29 %, 194 %. Anomalies for daily max were up to +6.1° on the 12<sup>th</sup> but fell to -4.1° on the 20<sup>th</sup>, the month's coldest day. Anomalies for daily min ranged from +4.9° on the 17<sup>th</sup>, the month's mildest night, to -3.4° on the 15<sup>th</sup>. Dry until the 17<sup>th</sup>, then just 2 wet days, and a total of just 4.4 mm, though most of this fell as snow or hail. Still very sunny, with over 50 % of the maximum on each day until the 16<sup>th</sup>. Fresh SW'y winds on the 11<sup>th</sup> veered light W'y on 13<sup>th</sup>, increased moderate on the 16<sup>th</sup>, and to strong on the 18<sup>th</sup>, veering fresh N'y by the 20<sup>th</sup>. **From the 21<sup>st</sup> to the 31<sup>st</sup> :** Mean anomalies +0.7°, -1.4°, 36 %, 144 %. The coolest period of the month, with anomalies for daily max ranging from -4.4° on the 22<sup>nd</sup> to +6.3° on the 27<sup>th</sup>, the month's mildest day. Anomalies for min ranged from -7.1° on the 22<sup>nd</sup>, the month's coldest night, to +3.9° on the 31<sup>st</sup>. Small amounts of rain on the 21<sup>st</sup> and 22<sup>nd</sup>, and again on the 29<sup>th</sup> and 30<sup>th</sup>, other days dry. This is the least sunny period, with 5 days having <10% of the maximum, although there were also 4 days with >60 %, including 93 % on the 26<sup>th</sup>, the month's sunniest day. Winds were generally N'y, light or moderate, but fresh on the 24<sup>th</sup>, and increasing strong NE'y on the 31<sup>st</sup>.

B J Burton. F.R.Met.S.

Hon. Met. Officer to Wokingham Town Council.

# Wokingham Climatological Graps for March 2007



Month: MARCH 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	10.8	5.1	0.0	1.7	8.1	9.3	5.8	0.0	992.9	0 0 0 0	0 0 0 0	0 0 0 0	258	9.6	9.8	280	28	1225	260	15	11	0.0	
2	11.8	0.3	6.7	-5.4	7.7	9.3	6.1	0.0	1007.9	0 1 0 0	0 0 0 0	0 0 0 0	174	4.1	6.1	180	20	1328	190	9	13	6.1	
3	12.9	4.5	0.3	3.7	7.6	9.3	7.4	0.0	1005.5	0 0 0 0	0 0 0 0	0 0 0 0	260	6.9	7.5	270	34	0121	270	15	01	0.2	
4	11.9	1.1	13.1	-3.5	7.6	9.3	0.0	0.0	1010.6	0 1 0 0	0 0 0 0	0 0 0 0	170	6.7	7.7	150	26	1033	210	12	19	9.3	
5	12.3	5.8	10.2	2.7	7.8	9.3	5.3	0.0	1009.5	0 0 0 0	0 0 0 0	0 0 0 0	215	12.9	13.3	210	42	2210	210	21	22	8.9	
6	14.4	7.7	0.5	7.8	8.0	9.3	7.4	0.0	997.6	0 0 0 0	0 0 0 0	0 0 0 0	219	8.9	9.4	200	44	0150	200	19	00	1.2	
7	12.7	5.8	0.0	1.7	8.3	9.3	7.3	0.0	999.5	0 0 0 0	0 0 0 0	0 0 0 0	258	3.6	4.6	310	15	1525	300	7	14	0.0	
8	13.6	0.8	1.7	-3.9	8.1	9.4	8.4	0.0	1022.1	0 1 0 0	0 0 0 0	0 0 0 0	230	3.9	4.3	210	16	2057	230	9	21	2.9	
9	12.7	7.1	0.0	5.7	8.2	9.4	8.8	0.0	1025.5	0 0 0 0	0 0 0 0	0 0 0 0	266	6.4	7.5	300	26	1600	290	11	16	0.0	
10	13.8	3.5	0.0	-1.2	8.0	9.5	6.8	0.0	1037.3	0 1 0 0	0 0 0 0	0 0 0 0	233	6.1	6.3	260	21	1248	240	11	10	0.0	
11	16.8	4.8	0.0	-0.6	8.0	9.5	9.9	0.0	1031.7	0 1 0 0	0 0 0 0	0 0 0 0	201	7.0	7.2	210	26	1456	210	13	14	0.0	
12	16.4	6.3	0.0	-1.1	8.1	9.5	7.2	0.0	1024.3	0 1 0 0	0 0 0 0	0 0 0 0	237	3.8	4.8	240	17	0931	220	9	09	0.0	
13	14.0	3.2	0.0	-1.4	8.5	9.5	8.1	0.0	1030.9	0 1 0 0	0 0 0 0	0 0 0 0	265	2.8	3.0	300	14	1515	280	7	15	0.0	
14	14.6	0.0	0.0	-4.1	8.3	9.6	7.0	0.0	1037.1	0 1 0 0	0 0 0 0	0 0 0 0	239	1.5	2.2	250	9	1634	270	4	16	0.0	
15	12.1	-0.1	tr	-4.3	8.1	9.6	6.1	0.6	1030.7	1 1 0 0	0 0 0 0	0 0 0 0	248	3.8	4.0	240	14	1228	260	7	15	0.0	
16	13.2	5.9	0.0	0.7	8.4	9.6	8.6	0.0	1029.4	0 0 0 0	0 0 0 0	0 0 0 0	267	5.4	6.1	270	20	1707	260	11	15	0.0	
17	15.1	7.8	0.1	5.7	8.8	9.7	3.8	0.0	1024.8	0 0 0 0	0 0 0 0	0 0 0 0	251	10.1	10.2	260	29	1613	240	15	23	0.3	
18	9.5	6.8	2.6	5.8	9.1	9.7	5.9	0.0	1006.9	0 0 1 0	0 1 0 0	0 1 0 0	260	12.0	12.5	300	38	1328	250	16	04	0.7	
19	8.2	1.2	1.6	-0.6	8.3	9.8	3.3	0.0	996.6	0 1 1 0	1 0 1 0	1 0 1 0	312	7.3	8.6	320	34	1316	330	12	12	1.2	
20	6.4	1.9	0.1	-0.1	7.8	9.8	2.0	0.0	1012.7	0 1 1 0	0 0 1 0	0 0 1 0	354	11.1	11.2	360	31	1508	360	14	11	0.1	
21	8.2	-0.6	1.1	-2.6	7.0	9.8	7.3	6.3	1020.6	1 1 0 0	0 0 0 0	0 0 0 0	348	6.2	6.6	350	20	0811	360	10	09	2.5	
22	6.7	-3.6	0.9	-8.3	6.7	9.6	0.0	6.1	1018.6	1 1 1 0	0 0 0 0	0 0 0 0	333	1.7	3.4	20	11	1813	20	6	14	3.6	
23	8.2	1.8	0.1	5.3	6.9	9.4	0.2	0.0	1017.2	0 0 0 0	0 0 0 0	0 0 0 0	10	6.7	7.0	10	24	1005	10	11	10	0.1	
24	8.8	0.9	tr	-3.4	6.9	9.3	1.1	0.0	1021.3	0 1 0 0	0 0 0 0	0 0 0 0	7	7.3	7.3	20	26	1044	20	14	10	0.0	
25	13.4	5.8	0.0	5.6	7.2	9.2	2.8	0.0	1018.2	0 0 0 0	0 0 0 0	0 0 0 0	45	6.5	6.8	60	22	1353	60	11	14	0.0	
26	16.2	0.1	0.0	-4.7	7.5	9.2	11.7	0.0	1020.5	0 1 0 0	0 0 0 0	0 0 0 0	53	4.2	4.4	60	18	1334	60	9	14	0.0	
27	17.8	-0.3	0.0	-4.3	7.7	9.2	10.5	2.8	1017.6	1 1 0 0	0 0 0 0	0 0 0 0	16	1.8	2.5	320	12	1559	10	6	15	0.0	
28	16.1	-0.2	tr	-4.7	8.1	9.3	9.7	1.3	1015.7	1 1 0 0	0 0 0 0	0 0 0 0	300	1.7	2.3	310	12	2352	310	5	16	0.0	
29	9.9	6.2	1.4	0.5	8.5	9.4	0.5	0.0	1013.2	0 0 0 0	0 0 0 0	0 0 0 0	301	4.0	4.4	260	22	1535	260	10	15	1.8	
30	10.0	3.0	2.5	-1.7	8.3	9.5	0.1	0.0	1012.0	0 1 0 0	0 0 0 0	0 0 0 0	23	5.9	6.3	30	21	2000	30	10	19	5.0	
31	15.6	6.8	0.0	4.9	8.2	9.5	6.3	0.0	1021.9	0 0 0 0	0 0 0 0	0 0 0 0	32	10.7	10.8	40	35	1607	40	16	16	0.0	
Total			42.9				175.4	17.1															43.9
Mean	12.4	3.2		-0.1	7.9	9.5	5.66	0.6	1017.1					276	2.6	6.7							
Anom	+1.8	+0.3	91%		+1.0	+2.3	177%		+1.5														
Daily mean		7.8																					
Anom		+1.0																					

Number of days with:

Air frost = 5      Ground frost = 18      Nil sun = 2  
 Snow falling = 4      Snow lying = 0      Thunder = 1  
 Hail=>5mm = 1      Hail<5mm or ice = 2      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 MARCH 2007

Date	VV	N	dd	ff	gg	TT	Td	Td	RH	r	PPP	a	ppp	ww	W1	W2	Nh	Cl	h	Cr	N	Ch	sh	N	Ch	sh	Date	Remarks
1	82	1	25	11	20	7.4	2.3	70	4.6	992.9	1	015	03	0	0	1	8	4	0	1	81818						1	1Sc45 1Ci75 Cu fra
2	65	2	21	04	06	5.8	2.6	80	4.6	1007.9	1	014	02	0	0	1	0	9	3	1	81365						2	2Ci78 COTRA Hoar slt
3	86	1	25	06	12	8.7	5.1	78	5.5	1005.5	2	045	01	1	1	1	8	4	0	2	81815						3	1Sc40 1Ci70 Cu fra
4	68	8	13	08	16	8.4	6.9	90	6.2	1010.6	8	030	03	2	2	2	6	3	7	/	82707	88459				4	2Ac58	
5	84	1	23	11	20	7.7	1.5	65	4.2	1009.5	2	033	02	0	0	1	1	5	3	3	81820						5	1Ac62 1Ci70 Cu fra Cb top S
6	78	2	24	08	24	11.4	7.7	78	6.6	997.6	3	026	03	6	1	2	8	5	3	1	82820						6	1Sc40 1Ac57 1Ci75 Cu med
7	65	2	25	05	09	7.4	5.1	85	5.5	999.5	2	016	03	6	1	1	1	4	8	0	81815						7	2Ac58 Cu fra Ac cas
8	62	1	28	03	05	7.1	5.5	90	5.6	1022.1	2	038	01	0	0	1	5	6	0	0	81645						8	
9	72	2	29	08	16	8.8	3.4	69	4.8	1025.5	1	028	02	0	0	1	0	9	3	9	81368						9	2Cc70 Iridescence
10	59	7	23	10	17	6.8	5.2	90	5.4	1037.3	2	005	05	1	1	4	6	3	0	1	83706	85080				10	2Sc40 COTRA	
11	65	6	20	07	15	10.7	6.2	74	5.8	1031.7	7	002	01	2	2	1	5	4	0	1	81618	86080				11	COTRA	
12	80	3	21	07	13	12.1	3.8	57	4.9	1024.3	1	004	02	0	0	1	0	9	3	8	81368						12	2Cs72 2Ci77 COTRA SKC E
13	84	6	30	03	06	8.3	3.9	74	4.9	1030.9	2	020	02	2	2	1	5	7	7	1	81656	83360				13	4Ac62 /Ci75 COTRA Ac du vir	
14	56	2	19	01	02	7.8	5.6	86	5.5	1037.1	2	007	05	0	0	0	0	9	0	1	82081						14	COTRA
15	40	1	26	03	07	6.3	5.2	92	5.4	1030.7	7	002	40	0	0	1	6	2	0	1	81703						15	1Ci81 COTRA jf W-NW
16	84	4	31	02	05	9.2	-0.2	52	3.7	1029.4	2	003	01	1	1	1	5	6	0	1	81640	84080				16	COTRA	
17	80	7	25	07	12	11.7	7.6	76	6.4	1024.8	3	009	02	2	2	7	8	5	/	/	81820	87640				17	1Sc28 2Sc35 Cu hum	
18	88	5	27	13	31	7.8	-0.2	57	3.8	1006.9	1	016	01	8	1	1	8	6	0	1	81830	85075				18	1Sc40 1Cc72 COTRA Halo 22 part	
19	82	7	32	08	19	3.8	0.0	76	3.9	996.6	2	028	03	1	1	7	8	5	/	2	83820	87640				19	/Ci70 Cu hum	
20	82	7	35	14	26	3.7	-3.0	62	3.0	1012.7	1	026	01	7	6	5	8	5	7	2	83825	83630				20	2As65 1Ac67 4Ci70 Cu hum	
21	84	1	36	10	18	2.8	-3.5	63	2.9	1020.6	0	009	03	0	0	1	1	5	0	1	81820						21	1Ci78 Cu fra
22	28	8	25	02	05	1.8	1.3	96	4.1	1018.6	4	000	68	7	6	6	7	2	2	/	82705	85708	88525			22	Tr sn lyng	
23	78	7	36	07	22	6.5	3.9	83	4.9	1017.2	5	002	01	6	5	7	8	4	/	/	82712	83818	87635			23		
24	57	7	01	08	15	6.8	3.5	79	4.8	1021.3	1	005	05	2	2	7	5	4	/	/	82710	87612				24		
25	56	8	03	08	14	7.9	5.7	86	5.7	1018.2	2	008	05	2	2	8	5	4	/	/	82712	86615	88656			25		
26	59	0	05	07	12	9.1	4.6	73	5.2	1020.5	7	005	05	0	0	0	0	9	0	0						26		
27	30	0	01	01	03	8.3	5.9	85	5.7	1017.6	0	001	05	0	0	0	0	9	0	0						27		
28	30	1	26	01	03	7.6	4.4	81	5.2	1015.7	1	005	05	0	0	0	0	9	0	1	81080					28	COTRA Sky turbid	
29	80	8	30	06	14	7.2	3.7	78	4.9	1013.2	1	002	02	6	2	8	8	4	/	/	83818	85625	88640			29	Cu hum	
30	25	6	03	08	13	7.7	5.2	84	5.5	1012.0	1	011	05	2	2	2	6	3	3	0	82708	85360				30		
31	50	7	03	10	16	9.9	6.2	78	5.9	1021.9	2	020	05	2	2	7	0	9	8	/	81650	87357				31	Ac cas	

Mean vis = 24.2 km  
 Mean cloud = 4.1 52%  
 Mean wind speed = 6.7 kn  
 Mean gust = 13 kn  
 Mean TT = 7.6 C  
 Mean TdTd = 3.7 C  
 Mean RH = 77.0 %  
 Mean r = 5.0 g/kg  
 Mean PPP = 1017.1 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 MARCH 2007

Date	VV	N	dd	ff	gg	TT	TdTd	RH	r	PPP	a	pppww	W1W2	NhCl	hCrCl	NChshs	NChshs	NChshs	Date	Remarks					
1	84	3	27	13	24	10.2	0.1	49	3.9	995.5	3	009	02	1	1	2	8	6	0	1	82840	1	1Sc45 1Ci78 COTRA Cu hum		
2	84	7	19	07	17	10.2	4.5	68	5.3	1003.3	7	037	03	1	1	5	8	6	3	6	81835	85645	86275	2	2Ac58 Cu hum
3	86	4	26	08	17	11.9	3.4	56	4.8	1009.9	1	012	25	8	1	4	8	6	6	0	83835			3	1Sc50 1Ac58 Cu med
4	57	8	15	12	23	10.2	9.4	94	7.4	1002.7	6	041	63	6	6	7	7	3	2	/	83708	87712	88520	4	
5	81	8	21	13	28	11.2	5.4	67	5.6	1010.2	8	011	03	2	2	5	8	5	3	7	83828	83635	88272	5	1Ac60 Cu med Halo 22
6	82	2	23	08	16	13.2	3.2	51	4.8	997.6	7	011	02	0	0	2	8	6	3	0	82840			6	1Sc45 1Ac62 Cu hum/med S
7	82	2	30	07	15	12.0	3.1	54	4.8	1003.6	2	020	01	1	1	2	8	6	0	1	81835			7	2Sc50 1Ci78 Cu med
8	83	7	24	06	12	12.8	2.7	50	4.5	1023.5	5	004	03	1	1	1	4	6	3	6	81845	83275	87078	8	1Sc45 1Ac68 COTRA Cu hum Halo 22°
9	84	3	28	09	17	12.5	1.8	48	4.2	1028.9	2	012	15	1	1	3	2	6	6	0	83845			9	1Ac57 Cu con jpS
10	82	7	25	08	19	13.3	5.9	61	5.6	1036.1	7	016	02	2	2	2	5	6	0	1	82635	86078		10	2Ci75 COTRA
11	84	6	21	12	21	16.1	-1.7	30	3.3	1028.0	7	025	02	2	2	0	0	9	0	8	82275	85078		11	COTRA Parhelia faint
12	80	7	25	04	11	15.0	8.6	65	6.8	1023.9	6	002	03	2	2	1	4	6	3	8	81830	87275		12	1Sc35 1Ac68 Cu hum Halo 22°
13	86	1	26	06	13	13.6	1.4	43	4.1	1031.3	6	005	02	0	0	1	4	7	0	1	81850			13	1Sc50 1Ci80 Cu hum
14	82	7	26	03	07	12.7	4.7	58	5.2	1035.0	6	017	03	1	1	7	8	6	/	/	82840	83645	86650	14	Cu med
15	78	7	25	06	13	11.2	4.7	64	5.3	1027.4	7	022	03	2	2	7	8	5	/	/	83825	86635		15	
16	81	6	26	10	21	12.3	2.2	50	4.4	1026.5	7	024	03	1	1	1	1	6	5	1	81840	84075	85080	16	1Ac62 Cu hum
17	78	1	25	14	27	13.8	5.8	59	5.7	1021.3	8	030	01	1	1	1	1	6	0	1	81835			17	1Ci75 Ci hum/fra
18	82	2	27	16	34	8.0	-1.0	53	3.6	1003.1	8	026	15	8	1	1	9	6	6	3	81930			18	1Cu35 1Ac58 1Ci70 jpN
19	60	7	31	09	19	4.9	0.4	73	3.9	1000.6	0	011	87	8	1	6	9	5	/	3	81830	84935		19	2Cu40 /Ci70 hail 2mm
20	75	6	36	14	29	6.0	-2.0	56	3.3	1014.8	2	019	26	8	2	6	8	6	0	0	83835	84650		20	Cu med
21	82	5	35	07	16	7.1	-4.9	42	2.6	1019.7	7	006	02	1	1	5	4	6	0	0	81848	85650		21	Cu hum
22	60	8	03	06	09	6.4	4.6	89	5.2	1018.7	2	004	50	5	2	8	5	3	/	/	81708	85612	88618	22	
23	59	8	36	07	13	6.8	5.1	89	5.4	1016.4	7	002	60	6	2	8	5	4	/	/	83710	86615	88618	23	
24	60	8	36	11	23	6.9	2.9	76	4.7	1019.2	8	016	05	2	2	8	5	4	/	/	86618	88625		24	
25	61	5	07	11	24	12.6	3.0	52	4.7	1018.6	3	004	02	1	1	5	8	6	0	0	82838	84650		25	
26	72	1	07	10	20	15.8	2.2	40	4.4	1017.5	7	016	01	0	0	1	1	7	0	0	81850			26	Cu hum
27	45	2	03	05	09	16.5	6.6	52	6.0	1014.6	7	016	05	0	0	2	8	6	0	0	82845			27	1Sc56 Cu med
28	56	1	32	04	08	15.6	3.3	44	4.8	1013.7	6	011	05	0	0	1	2	6	0	0	81845			28	Cu med Sky turbid
29	70	6	35	03	08	9.2	-0.7	50	3.7	1011.3	7	013	15	6	2	3	8	6	7	0	81828	83835		29	1Sc56 3Ac58 1Ac62 jpW vv 35k exW
30	15	8	03	07	14	7.5	6.4	93	6.0	1013.6	2	006	58	6	5	8	7	3	/	/	87706	88708		30	
31	61	3	03	14	26	13.5	2.9	48	4.6	1022.0	0	002	01	1	1	3	2	7	0	0	83856			31	Absent vv&cld est

Mean vis = 29.3 km

Mean cloud = 5.0 63%

Mean wind speed = 8.7 kn

Mean gust = 18 kn

Mean TT = 11.3 C

Mean TdTd = 3.0 C

Mean RH = 58.8 %

Mean r = 4.8 g/kg

Mean PPP = 1016.4 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.

