

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

MARCH 2006

Temperature (°C / °F)	Anomaly			Rank in the past 125 years			
Mean maximum	9.3	48.7	-1.3	40 th lowest			
Mean minimum	2.4	36.3	-0.5	76 th lowest			
Daily mean	5.8	42.4	-1.0	53 rd lowest			
Highest maximum	15.1	59.2	on 31 st	Lowest maximum	3.6	38.5	on 16 th
Highest minimum	11.1	52.0	on 27 th	Lowest minimum	-6.7	19.9	on 4 th
Mean grass minimum	-0.7	30.7		Lowest grass minimum	-11.8	10.8	on 4 th
Mean earth @30 cm	5.7	42.3	-1.2	Earth @100 cm	6.5	43.7	-0.7
Frost duration (hrs)	87.5			Rain duration (hrs)	47.8		
Rainfall total (mm / in)	44.7	1.76	95 %	55 th highest			
Highest daily fall	8.7	0.34	on 7 th				
Number of: Dry days (<0.2mm)	17	Wet days (>0.9mm)	10	days ≥5mm	4		
Sunshine total (hrs)	101.8	Daily mean	3.28	103 %	Sunniest day	9.5	on 4 th
N ^o days with: Air frost	10	Ground frost	15	Snow falling	6	Snow lying	0
Thunder	1	Hail ≥5mm	0	Small hail/ice	4	Fog @09	0
Air pressure MSL : Mean @09 GMT (mbar/in)		1010.6	-5.0	29.84			
Absolute highest		1031.2		30.45		on 12 th	
Absolute lowest		990.2		29.24		on 24 th	

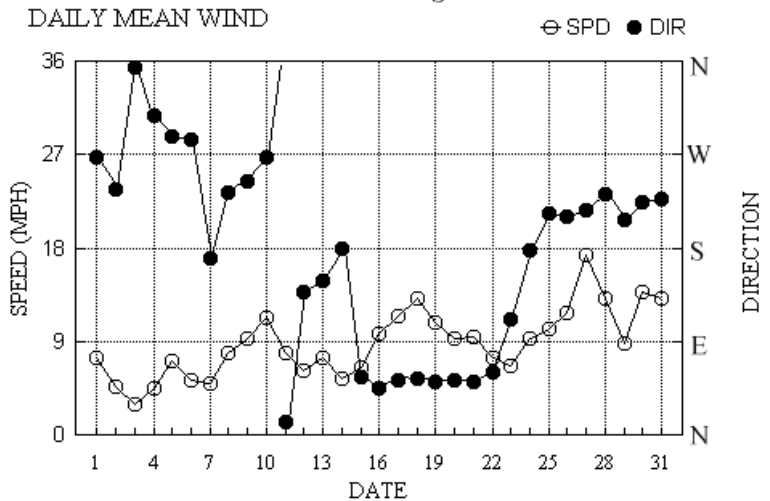
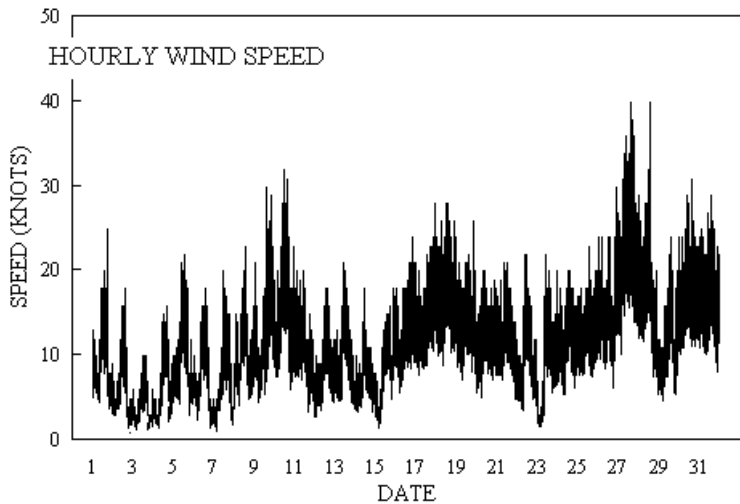
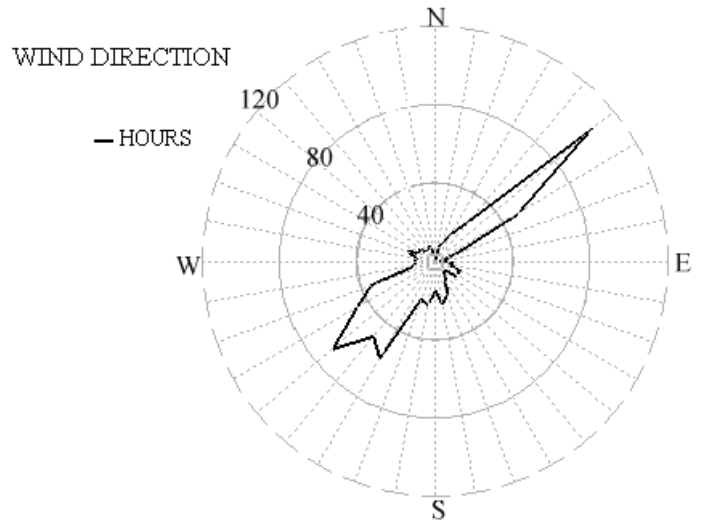
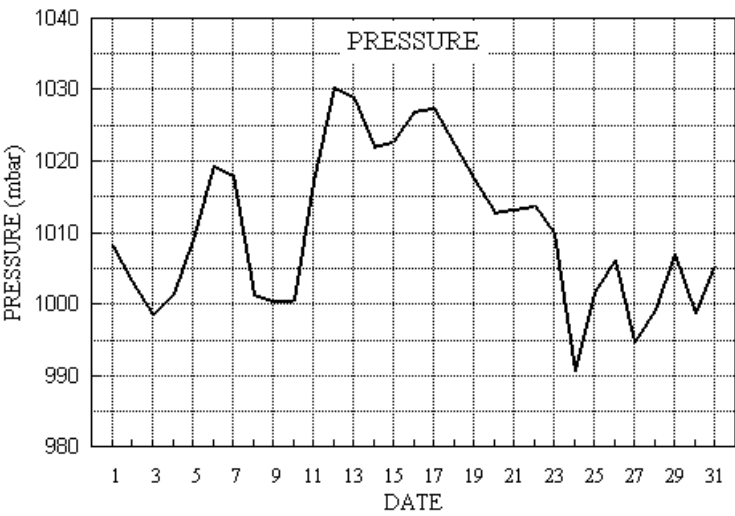
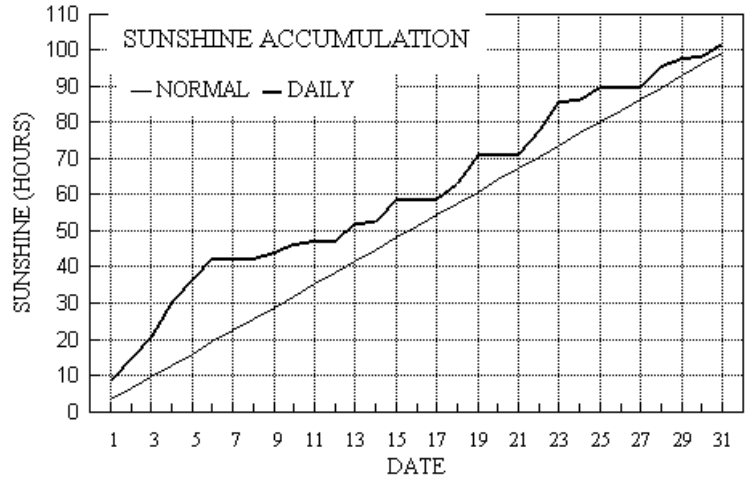
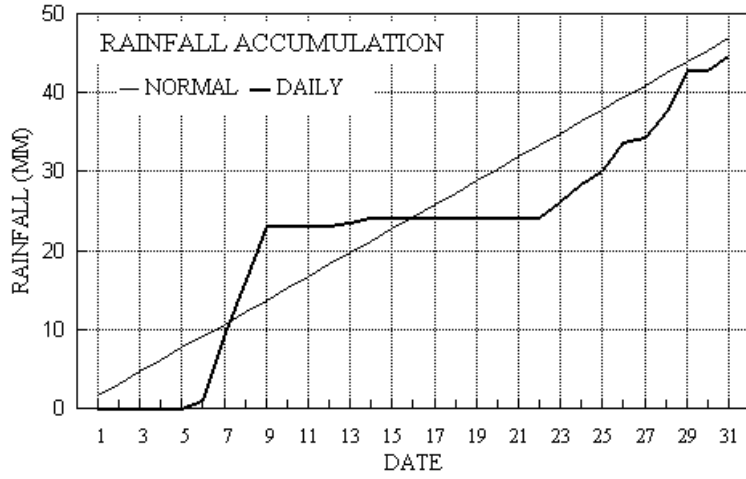
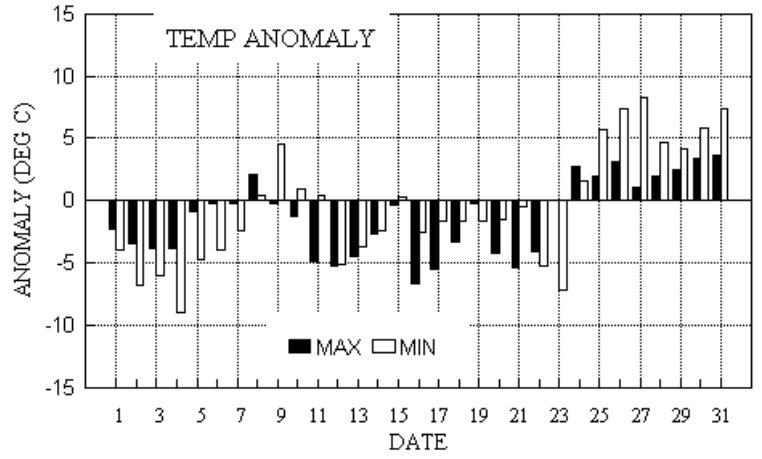
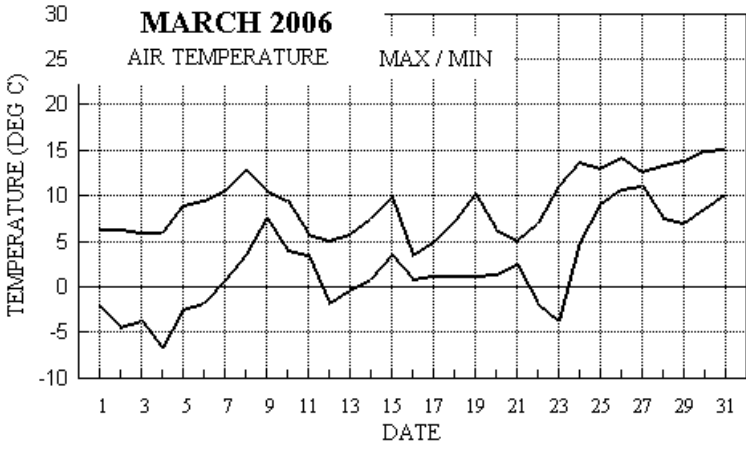
Anomaly = departure from 1971 to 2000 average (degrees C, percent and mbar).

Notes: **Mean Temperature Below Normal. Rainfall and Sunshine Near Normal. Windy.**

Temperature. The mean max, mean min and daily mean are all lowest since 1996. The mean maximum, while 1.3° below the current climatological average, is also 1.1° below the long-term median. The mean min, however, although 0.5° below the climatological average, is 0.5° above the long-term median, indicating that the current warming trend is most strongly felt at night rather than by day in this month. The highest maximum is 0.5° below the median and is lowest since 1996, while the lowest minimum is 2.6° below the median and is lowest since 1986. The lowest maximum is 0.9° below the median, but the highest minimum, against the majority, is 2.2° above the median, is highest since 2000, and 4th highest in 94 years. The mean grass min is lowest only since 2003, and the lowest grass min is lowest since 2001. The mean earth temperature at 30 cm depth is equal lowest with 1996 since 1987, while at 1 metre depth is lowest since 1996. The lowest daily value at 30 cm, 3.3°, is lowest since 1986. The number of air frosts is most since 1996, and its duration is highest since 1987. **Rainfall.** The total this March is highest since 2002, but is 5 % below the current climatological average, although it is 4.7 mm above the 125 year median. The month's highest fall is 0.7 mm below the median. Rainfall duration is also highest since 2002. The number of dry days is 1 more than average. A dry spell of 6 days ended on the 5th and another of 8 days on the 22nd. Snow fell on the 1st, 2nd, 3rd, 5th, 12th and 17th, but not enough to lay, and there was small hail on the 6th, 9th, 14th and 28th, and thunder on the 9th. **Sunshine.** Close to normal, but most since 2003. The duration on the month's sunniest day is lowest since 1996. Overall there were 16 days with <3 hours, 9 with =>6 hours and 1 with =>9 hours. **Wind.** The mean wind speed of 8.9 mph is 1.2 mph above average and highest since 1995. The windiest day was the 27th, 17.3 mph, and the month's highest gusts of 46 mph were on the 27th and 28th. The least windy day was the 3rd, 3.0 mph, and there was a total of 180 minutes (3.0 hours) with a mean speed of 0.5 mph or less. Daily mean direction/number of days: N,2 NE,8 E,1 SE,2 S,3 SW,10 W,4 NW,1. **Humidity.** The mean relative humidity was 73.6 %, and the lowest value recorded was 27 % on the 23rd. The mean water vapour content per kg of air was 4.5 g at 0900 GMT and 4.3 g at 1500 GMT, both lowest since 1996. **Commentary. From the 1st to the 10th:** Mean anomalies (max, min, rain, sun) -1.4°, -3.1°, 155 %, 144%. The period started on the cool side with anomalies for daily max ranging from -3.8° on the 3rd and 4th to +2.1° on the 8th, and anomalies for min, -9.0° on the 4th, the month's coldest night, to +4.5° on the 9th. Mostly dry at first, just a trace up to the 5th, then 23.3 mm, including 8.7 mm on the 7th, the month's wettest day. Sunny at first, with 42.5 hours up to the 6th, a mean of 7.1 hours per day, but only 2.8 hours total for the last 4 days. Light or moderate winds were W'ly on 1st, veering N'ly on 3rd, backing S'ly by 7th, becoming fresh W'ly on 9th. **From the 11th to the 20th:** Continuing cold throughout this period, with daily anomalies for max between -0.2° on 19th and -6.7° on the 16th, the month's coldest day. Anomalies for min ranged from +0.4° on 11th to -5.1° on 12th. Mostly dry, just 1 mm shared between the 13th and 14th. Rather dull, with 6 days having less than 10 % of the maximum, and only 2 having over 50 %. Mostly moderate winds were N'ly on 11th, veering to S'ly by 14th, backing NE'ly on 15th and becoming fresh from 17th to 19th. **From the 21st to the 31st:** The mildest period though starting cold, with anomalies for daily max -5.4° on 21st, but up to +3.6° on the 31st, the month's warmest day. Anomalies for daily min ranged from -7.2° on 23rd to +8.2° on 27th, the month's mildest night. Dry until the 22nd, then 20.5 mm accumulating by the 31st. Sunshine was rather variable, 5 days having <10 % of the max, but the 22nd and 23rd were sunny. Moderate NE'ly winds on 21st and 22nd became SW'ly by 25th, and strong on 27th and 28th, ending the month mainly fresh.

B J Burton. F.R.Met.S. Hon. Met. Officer to Wokingham Town Council.

Wokingham Climatological Graphs



Month: MARCH 2006

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	6.3	-2.2	tr	-6.0	4.6	6.5	8.6	13.8	1008.0	1 1 1 0	0 0 0 0	0 0 0 0	268	6.1 6.5	310 25 1715	310 10 17	0.0
2	6.4	-4.5	tr	-10.3	4.1	6.5	6.4	14.3	1003.3	1 1 1 0	0 0 0 0	0 0 0 0	236	3.4 4.1	250 18 1529	250 8 12	0.0
3	6.0	-3.7	tr	-7.7	3.7	6.4	5.9	14.7	998.4	1 1 1 0	0 0 0 0	0 0 0 0	355	1.5 2.6	20 10 1145	20 5 11	0.0
4	6.0	-6.7	tr	-11.8	3.6	6.3	9.5	13.5	1001.3	1 1 0 0	0 0 0 0	0 0 0 0	308	2.6 3.9	360 16 1557	340 8 15	0.0
5	8.9	-2.4	tr	-8.9	3.3	6.2	6.1	5.2	1009.0	1 1 1 0	0 0 0 0	0 0 0 0	287	5.3 6.2	330 22 1301	320 11 12	0.0
6	9.5	-1.7	0.9	-7.3	3.6	6.1	6.0	2.7	1019.4	1 1 0 0	0 0 1 0	0 0 0 0	285	4.0 4.6	300 18 1430	310 8 10	2.2
7	10.6	0.7	8.7	-2.2	3.9	6.0	0.0	0.0	1018.0	0 1 0 0	0 0 0 0	0 0 0 0	170	4.2 4.3	170 20 1144	170 8 11	11.0
8	12.9	3.5	6.6	4.5	4.4	6.0	0.1	0.0	1001.4	0 0 0 0	0 0 0 0	0 0 0 0	234	6.6 6.8	230 23 1328	230 11 13	4.3
9	10.6	7.6	6.9	5.5	5.6	6.0	1.6	0.0	1000.4	0 0 0 0	1 0 1 0	0 0 0 0	245	7.2 8.0	260 30 1511	250 13 19	2.1
10	9.5	4.0	0.1	1.4	5.8	6.1	2.1	0.0	1000.4	0 0 0 0	0 0 0 0	0 0 0 0	267	9.0 9.8	270 32 1127	260 15 10	0.4
11	5.9	3.5	0.0	0.9	5.8	6.2	0.9	1.7	1017.0	0 0 0 0	0 0 0 0	0 0 0 0	12	5.9 6.8	30 20 0942	10 10 09	0.0
12	5.1	-1.8	tr	-6.5	5.5	6.3	0.1	7.8	1030.4	1 1 1 0	0 0 0 0	0 0 0 0	137	4.8 5.4	160 18 1550	160 9 15	0.0
13	5.8	-0.4	0.3	-4.5	5.5	6.4	5.1	1.3	1028.9	1 1 0 0	0 0 0 0	0 0 0 0	148	6.0 6.4	170 21 1031	170 10 10	0.5
14	7.6	0.9	0.7	-2.8	5.4	6.4	0.1	0.0	1022.0	0 1 0 0	0 0 1 0	0 0 0 0	180	4.5 4.7	190 18 1101	190 8 11	0.4
15	9.9	3.6	0.0	-1.5	5.7	6.4	6.3	0.0	1022.7	0 1 0 0	0 0 0 0	0 0 0 0	56	5.2 5.7	50 18 2148	50 10 22	0.0
16	3.6	0.8	tr	-1.6	5.9	6.5	0.0	0.0	1027.0	0 1 0 0	0 0 0 0	0 0 0 0	45	8.4 8.5	50 24 2044	50 10 19	0.4
17	5.0	1.3	tr	0.8	5.5	6.5	0.1	0.0	1027.3	0 0 1 0	0 0 0 0	0 0 0 0	52	9.9 9.9	50 28 2240	50 13 22	0.0
18	7.2	1.2	0.0	0.9	5.3	6.5	4.3	0.0	1022.3	0 0 0 0	0 0 0 0	0 0 0 0	54	11.4 11.4	60 28 1202	60 14 13	0.0
19	10.3	1.3	0.0	0.9	5.2	6.5	8.1	0.0	1017.5	0 0 0 0	0 0 0 0	0 0 0 0	51	9.3 9.4	60 26 2035	50 12 10	0.0
20	6.3	1.4	0.0	-1.6	5.7	6.5	0.0	0.0	1012.8	0 1 0 0	0 0 0 0	0 0 0 0	52	8.0 8.0	60 20 0945	60 11 11	0.0
21	5.1	2.4	0.0	1.4	5.6	6.5	0.0	0.0	1013.3	0 0 0 0	0 0 0 0	0 0 0 0	51	8.1 8.1	50 21 1233	50 11 12	0.0
22	7.0	-1.8	0.0	-7.7	5.4	6.6	6.8	5.0	1013.8	1 1 0 0	0 0 0 0	0 0 0 0	60	6.2 6.5	70 22 0953	50 12 09	0.0
23	11.1	-3.7	2.1	-9.7	5.4	6.6	7.9	7.5	1010.0	1 1 0 0	0 0 0 0	0 0 0 0	111	4.9 5.7	120 22 0956	110 9 09	5.4
24	13.8	5.0	2.1	3.5	6.0	6.6	0.3	0.0	990.6	0 0 0 0	0 0 0 0	0 0 0 0	178	5.5 8.1	200 20 1246	210 11 14	3.3
25	13.1	9.2	1.7	6.8	6.9	6.6	3.4	0.0	1001.6	0 0 0 0	0 0 0 0	0 0 0 0	214	8.7 8.9	200 23 1221	210 11 12	4.4
26	14.2	10.8	3.6	8.8	7.5	6.7	0.0	0.0	1006.0	0 0 0 0	0 0 0 0	0 0 0 0	210	9.9 10.2	200 30 2111	200 14 21	5.3
27	12.6	11.1	0.6	10.5	8.1	6.9	0.3	0.0	994.7	0 0 0 0	0 0 0 0	0 0 0 0	216	14.8 15.0	230 40 1557	230 18 15	0.8
28	13.4	7.5	3.3	5.0	8.2	7.0	5.5	0.0	999.2	0 0 0 0	0 0 1 0	0 0 0 0	232	11.3 11.4	230 40 1409	240 15 11	1.8
29	14.0	7.0	5.4	4.4	8.2	7.2	2.4	0.0	1007.0	0 0 0 0	0 0 0 0	0 0 0 0	207	6.7 7.7	190 24 2312	210 12 15	4.3
30	14.9	8.7	tr	6.7	8.6	7.4	0.4	0.0	998.7	0 0 0 0	0 0 0 0	0 0 0 0	224	11.8 11.9	230 31 1446	230 14 11	0.1
31	15.1	10.3	1.7	7.9	8.9	7.5	3.5	0.0	1005.5	0 0 0 0	0 0 0 0	0 0 0 0	227	11.3 11.4	220 29 1359	220 15 14	1.1
Total			44.7				101.8	87.5						210 1.4 7.7			47.8
Mean	9.3	2.4		-0.7	5.7	6.5	3.28	2.8	1010.6								
Anom	-1.3	-0.5	95%		-1.2	-0.7	103%		-5.0								
Daily mean		5.8															
Anom		-1.0															

Number of days with:

Air frost = 10 Ground frost = 15 Nil sun = 5
 Snow falling = 6 Snow lying = 0 Thunder = 1
 Hail=>5mm = 0 Hail<5mm or ice = 4 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 2006

Date	VV	N	dd	ff	gg	TT	Td	RH	r	PPP	a	ppp	ww	W1	W2	Nh	Cl	h	Cr	Ch	NCh	shs	NCh	shs	Date	Remarks
1	88	1	27	06	11	1.2	-3.7	70	2.9	1008.0	7	002	02	0	0	1	0	9	3	1					1	1Ci65 COTRA Hoar slt Gnd sfc frzn Tr sn ly Parhelia
2	65	0	25	05	08	0.0	-3.6	76	2.9	1003.3	4	000	02	0	0	0	0	9	0	0					2	Hoar mod. Gnd sfc frzn
3	63	7	03	03	06	-0.7	-2.6	87	3.2	998.4	3	010	01	2	2	2	0	9	8	8	82362	83272	87075	3	Ac cas Hoar slt Gnd sfc frzn Halo 22 part+parhelion	
4	61	1	34	04	06	-0.8	-3.3	83	3.0	1001.3	3	009	02	0	0	0	0	9	0	2	81075			4	Hoar mod Gnd sfc frzn	
5	86	5	30	07	13	4.2	-0.4	72	3.7	1009.0	2	021	03	1	1	4	5	6	0	1	81645	84650		5	2Ci75 COTRA Gnd sfc frzn	
6	88	3	30	05	12	4.0	0.3	77	3.9	1019.4	2	019	03	0	0	3	0	9	7	1	81358	83360		6	1Ci80 Ac du vir	
7	57	8	18	05	10	3.5	2.8	95	4.6	1018.0	8	020	61	6	2	1	5	6	2	/	81640	88550		7		
8	65	8	23	09	16	10.6	10.0	96	7.8	1001.4	8	023	21	6	5	8	5	3	7	/	82706	87709		8	/Ac60 /As65	
9	61	8	22	05	12	8.4	6.7	89	6.2	1000.4	6	001	03	2	2	6	5	3	/	/	83707	87650		9		
10	80	7	25	12	25	6.6	1.4	69	4.2	1000.4	1	010	03	1	1	1	8	5	7	2	81825	83460	85070	10	1Sc50 2Ac59 Cu fra	
11	62	7	01	07	16	4.5	0.9	77	4.0	1017.0	2	038	02	2	2	7	5	4	/	/	87818	86645		11		
12	82	8	10	06	11	0.9	-4.1	69	2.7	1030.4	2	013	14	2	2	2	5	7	2	/	82656	88457		12	Slt sn 0902z	
13	63	7	16	09	18	3.0	-4.6	57	2.6	1028.9	1	001	02	2	2	1	5	6	7	1	81650	83357	87078	13	COTRA	
14	59	8	18	05	10	4.0	1.2	82	4.1	1022.0	0	000	79	7	6	8	5	6	/	/	83630	87635	88645	14	Int ice pellets (a) since 0655	
15	58	7	05	05	11	4.9	1.1	76	4.1	1022.7	2	020	05	2	2	7	5	5	/	/	85625	87645		15		
16	58	8	05	07	17	2.4	-1.6	75	3.3	1027.0	3	004	05	2	2	8	5	5	/	/	87620	88635		16		
17	59	8	05	09	19	1.9	-1.2	80	3.4	1027.3	2	006	77	7	2	8	5	5	/	/	85620	88630		17		
18	60	8	06	12	24	2.6	-2.0	72	3.2	1022.3	1	006	05	2	2	8	8	5	/	/	82820	87625	88635	18	Cu hum	
19	75	6	05	08	20	3.9	-0.4	73	3.7	1017.5	0	001	01	2	2	6	5	5	0	0	86520			19		
20	82	7	06	10	22	5.3	1.0	74	4.1	1012.8	5	000	02	2	2	7	5	5	/	/	87620			20		
21	82	7	06	10	21	4.0	-1.5	67	3.4	1013.3	1	004	03	2	2	7	8	5	/	/	82828	83632	87640	21	Cu hum	
22	82	7	05	09	19	4.0	-1.9	66	3.3	1013.8	2	004	03	2	2	1	8	5	0	1	81825	87075		22	1Sc40 COTRA Parhelia CZ arc	
23	62	2	11	09	19	5.0	-2.9	56	3.1	1010.0	8	012	01	1	1	0	0	9	0	1	82080			23	COTRA	
24	57	8	16	06	11	9.4	9.0	97	7.3	990.6	3	001	21	6	5	8	7	2	/	/	82705	87707	88710	24		
25	70	2	24	08	19	11.4	7.3	76	6.4	1001.6	2	030	03	1	1	1	1	4	3	1	81818			25	2Ac65 1Ci75 COTRA Cu fra/hum	
26	65	8	21	08	15	12.0	9.9	87	7.6	1006.0	2	016	03	2	2	8	5	3	/	/	82707	86612	88625	26		
27	60	8	21	16	36	11.6	9.6	88	7.6	994.7	7	004	50	6	5	8	5	4	/	/	82710	87613	88625	27		
28	78	5	23	12	26	10.0	4.1	67	5.2	999.2	2	007	03	1	1	5	8	5	0	0	85825			28	1Sc40 Cu hum/med	
29	75	7	24	08	15	9.0	6.2	83	5.9	1007.0	3	018	03	6	2	7	5	4	/	/	87615			29		
30	68	7	22	12	26	12.7	9.4	80	7.4	998.7	3	020	02	2	2	7	8	4	/	/	81815	85620	87650	30		
31	75	5	25	10	22	13.0	6.1	63	5.9	1005.5	2	027	01	2	2	5	1	5	0	0	85825			31	Absent vv est	

Mean vis = 23.1 km
 Mean cloud = 6.1 76%
 Mean wind speed = 8.0 kn
 Mean gust = 17 kn
 Mean TT = 5.6 C
 Mean TdD = 1.7 C
 Mean RH = 76.7 %
 Mean r = 4.5 g/kg
 Mean PPP = 1010.6 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
 TdD = 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 2006

Date	VV	N	dd	ff	gg	TT	Td	RH	r	PPP	a	ppp	ww	W1	W2	Nh	Cl	h	Cr	Ch	shs	NChs	NChs	Date	Remarks
1	82	3	30	06	16	4.3	-8.2	40	2.1	1005.5	7	016	15	8	1	3	9	6	0	0	81945		1	2Cu48 vv 70k exp jpN&S-W	
2	80	6	26	06	15	4.8	-6.4	44	2.4	1001.7	6	013	15	1	1	2	2	7	0	4	82850	85075	2	jp SW	
3	77	3	02	02	08	5.6	-7.3	39	2.2	998.6	1	003	02	8	1	2	2	6	0	1	82845		3	2Ci75 Cu med Slt sn sh 1315	
4	82	2	30	06	14	5.6	-6.0	43	2.5	1001.9	3	005	01	1	1	2	2	6	0	0	82845		4	Cu med	
5	86	5	31	08	19	8.7	-6.7	33	2.3	1011.8	2	011	03	1	1	5	8	7	0	0	82850	84656	5	Cu hum	
6	88	7	30	09	17	8.3	-1.7	49	3.3	1020.3	5	000	02	2	2	7	8	6	/	1	83845	87650	6	/Ci78	
7	58	8	15	06	14	4.8	4.1	95	5.1	1011.0	7	038	63	6	6	7	7	3	2	/	82709	87712	88520	7	
8	75	8	22	09	18	12.1	10.2	88	7.9	995.0	6	040	60	6	2	7	5	4	7	/	83615	87625	8	/Ac58	
9	62	6	23	07	14	10.0	7.7	86	6.7	995.3	6	030	15	6	2	5	9	4	3	2	83915		9	2Cu20 2Sc50 1Ac60 1Cu72 jpSW vv40k N	
10	68	7	27	13	31	8.7	-0.6	52	3.7	1000.9	4	000	60	6	2	4	8	6	2	/	83835	87457	10	2Sc50 vv30k SW	
11	82	7	03	06	13	5.6	-2.8	55	3.0	1021.6	2	017	02	2	2	7	8	6	/	/	83835	87645	11	Cu hum/med	
12	82	8	16	07	18	4.5	-6.7	44	2.3	1030.3	7	005	02	2	2	1	5	7	1	7	81650	86363	88270	12	
13	75	7	16	09	21	5.1	-9.2	35	1.9	1026.5	7	013	02	2	2	6	0	9	3	1	86359	86078	13	COTRA	
14	61	8	19	06	12	7.4	1.2	65	4.1	1019.7	8	012	02	2	2	8	5	6	/	/	81630	88635	14		
15	60	1	06	08	17	9.8	-3.0	40	3.0	1022.7	6	006	05	1	1	1	1	6	0	0	81845		15	Cu hum	
16	59	8	05	10	22	3.1	-0.1	79	3.7	1026.5	6	005	21	6	5	8	5	4	/	/	87616	88620	16		
17	58	7	06	12	24	4.6	-2.4	60	3.1	1025.0	7	017	05	5	2	7	8	6	/	/	83830	87640	17		
18	63	1	06	14	29	7.0	-3.3	48	2.9	1019.2	7	016	01	1	1	1	1	6	0	0	81835		18	Cu fra	
19	80	1	05	11	25	10.2	-2.4	41	3.2	1013.8	7	018	02	0	0	1	1	6	0	0	81840		19	Cu hum	
20	80	8	05	09	18	5.6	1.2	73	4.1	1012.4	7	002	02	2	2	8	5	5	/	/	84622	88625	20		
21	82	7	07	09	21	4.8	-4.1	52	2.8	1012.7	5	004	02	2	2	7	5	6	/	/	81635	87640	21		
22	83	7	05	09	18	6.7	-6.3	39	2.4	1012.9	6	009	02	2	2	1	4	6	0	8	81645	83272	87075	22	COTRA Halo 22° part
23	63	6	14	08	18	10.4	-5.7	32	2.5	1005.6	7	031	03	1	1	0	0	9	0	4	86075		23	COTRA	
24	75	7	21	11	23	12.8	8.6	76	7.1	992.6	2	008	02	8	2	7	8	4	/	1	85818	83635	24	/Ci75	
25	70	8	18	08	20	11.5	9.3	86	7.4	1002.3	8	008	60	6	2	7	5	4	2	/	83616	87620	88550	25	
26	50	8	20	09	20	13.3	12.4	94	9.1	1003.9	8	015	61	6	2	7	7	3	2	/	83706	87710	88525	26	
27	68	7	23	17	36	12.0	8.5	79	7.0	996.5	1	010	21	6	2	7	8	4	/	/	81815	86820	27	3Sc56 Cu fra/med jpNW	
28	60	7	24	12	38	8.5	6.3	86	6.0	998.9	5	000	27	8	2	5	9	5	6	/	84925	83358	28	1Cu030 1Sc040 Hail 3mm 1440. vv40k ex E-S	
29	75	7	21	13	22	12.0	5.3	64	5.6	1006.8	5	002	80	8	2	7	8	5	/	1	81825	86656	29	2Cu30 /Ci75 COTRA	
30	68	7	22	13	25	14.0	9.4	74	7.5	998.4	7	004	02	2	2	7	8	5	/	/	82820	83640	86650	30	
31	65	5	22	12	27	14.6	7.3	62	6.4	1006.5	7	002	02	8	2	5	8	5	0	0	82828	84645	31	Absent vv&cid est	

Mean vis = 25.2 km
 Mean cloud = 6.0 75%
 Mean wind speed = 9.2 kn
 Mean gust = 20 kn
 Mean TT = 8.3 C
 Mean Td = 0.3 C
 Mean RH = 59.8 %
 Mean r = 4.3 g/kg
 Mean PPP = 1009.6 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
 Td = 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
 MARCH 2006

Date	Mean			Min			Max			Missing			Number of minutes RH in given ranges								
	TT	TT	Time	TT	Time	RH	TT	Time	RH	TT	Time	RH	N >0	0-20	20-40	40-60	60-80	80-90	90-95	95-98	98-100
01	0.9	6.3	13:26	-2.3	07:17	64.8	78.9	23:45	32.0	15:29			0	208	252	980	0	0	0	0	0
02	0.3	6.4	14:09	-4.1	06:37	71.4	86.0	06:02	35.4	14:06	113		0	26	373	359	559	0	0	0	0
03	0.4	6.0	14:36	-2.9	23:55	69.7	89.0	07:02	29.8	15:18			0	104	336	442	558	0	0	0	0
04	0.2	6.0	14:05	-5.2	06:58	64.2	85.4	06:58	33.3	15:49			0	86	626	181	547	0	0	0	0
05	3.5	8.9	14:54	-1.4	02:02	61.6	90.6	05:47	32.2	14:59			0	227	407	600	202	4	0	0	0
06	4.5	9.5	13:38	-0.8	05:45	72.0	92.1	20:35	42.4	13:39			0	0	433	348	560	99	0	0	0
07	4.0	6.6	23:59	1.4	04:03	94.5	99.6	23:57	88.7	07:12			0	0	0	0	122	673	416	229	0
08	10.1	12.8	14:23	6.6	00:00	96.5	99.8	01:22	85.0	14:33			0	0	0	0	97	229	594	520	0
09	8.2	10.7	11:39	4.5	23:50	85.1	96.1	00:01	69.6	11:22			0	0	0	516	355	488	81	0	0
10	6.4	9.5	14:33	4.0	02:27	68.8	86.4	03:29	47.2	14:05			0	0	347	832	261	0	0	0	0
11	3.9	5.9	11:21	-0.8	23:59	70.9	82.5	02:15	54.6	16:05			0	0	182	1110	148	0	0	0	0
12	1.6	5.1	13:24	-1.1	01:18	57.9	78.3	00:05	41.5	15:10	68		0	0	825	547	0	0	0	0	0
13	2.3	5.8	13:57	-0.4	04:22	51.8	72.9	05:02	32.0	15:21	191		0	244	648	357	0	0	0	0	0
14	4.5	7.7	14:10	1.1	00:01	71.4	82.6	09:39	61.0	13:46			0	0	0	1191	249	0	0	0	0
15	5.5	9.9	14:12	1.0	23:02	65.9	85.4	05:10	37.3	14:28			0	89	418	569	364	0	0	0	0
16	2.1	3.6	11:03	0.8	04:43	74.9	92.8	17:54	68.0	10:42	5		0	0	0	1188	125	122	0	0	0
17	2.7	5.0	15:46	1.3	03:34	69.7	82.0	10:05	56.6	15:25	149		0	0	137	1134	20	0	0	0	0
18	3.2	7.3	15:30	1.1	03:50	68.2	82.1	23:47	45.3	15:08	149		0	0	310	810	171	0	0	0	0
19	5.2	10.3	15:02	1.3	06:03	67.5	88.2	23:54	39.5	15:04			0	7	422	628	383	0	0	0	0
20	4.3	6.3	11:26	1.4	00:58	75.8	92.6	01:25	64.1	11:25			0	0	0	986	324	130	0	0	0
21	3.6	5.1	13:07	0.9	23:59	63.2	81.6	04:11	47.2	15:40			0	0	713	658	69	0	0	0	0
22	2.9	7.0	13:05	-1.9	06:07	61.7	85.5	06:12	35.7	13:06			0	177	496	491	276	0	0	0	0
23	5.0	11.1	14:16	-2.4	04:22	59.9	91.2	05:28	27.4	15:30	68		0	279	458	285	276	74	0	0	0
24	9.6	13.8	13:46	5.6	01:11	88.4	98.1	08:22	69.7	13:48			0	0	0	189	617	163	464	7	0
25	10.9	13.1	10:14	9.2	07:10	88.3	97.1	01:19	62.0	10:17			0	0	0	340	134	421	545	0	0
26	12.7	14.2	11:01	11.0	04:00	89.7	95.7	00:17	77.7	10:55			0	0	0	39	701	580	120	0	0
27	11.3	12.7	16:14	9.0	23:39	85.5	94.4	04:28	69.7	16:15			0	0	0	439	510	491	0	0	0
28	9.2	13.4	12:28	7.2	23:59	78.5	92.6	21:35	47.9	12:08			0	0	166	396	682	196	0	0	0
29	9.6	14.0	13:14	7.0	00:44	81.3	97.1	22:33	53.3	13:18			0	0	102	541	141	508	148	0	0
30	12.1	15.0	14:09	10.1	00:00	83.5	96.2	01:13	68.9	14:11			0	0	0	406	726	140	168	0	0
31	12.0	15.1	14:03	10.3	06:34	77.6	90.3	22:30	58.2	14:02			0	0	18	700	707	15	0	0	0
Mean	5.6	9.2		2.3		73.6	89.1		52.0				0.00	0.78	4.12	9.28	5.31	2.33	1.36	0.41	
Hi	12.7	15.1		11.0		96.5	99.8		88.7	Tot	743		0	1447	7669	17262	9884	4333	2536	756	
Lo	0.2	3.6		-5.2		51.8	72.9		27.4												

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.