

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 2005

Temperature (°C / °F)			Anomaly	Rank, in past 124 years			
Mean maximum	11.6	52.9	+1.0	30 th highest			
Mean minimum	3.9	39.0	+1.0	12 th highest			
Daily mean	7.8	46.0	+1.0	18 th highest			
Highest maximum	20.2	68.4	on 19 th	Lowest maximum	3.6	38.5	on 2 nd
Highest minimum	11.0	51.8	on 22 nd	Lowest minimum	-5.0	23.0	on 4 th
Mean grass minimum	0.6	33.1		Lowest grass minimum	-9.9	14.2	on 4 th
Mean earth @30 cm	6.9	44.4	0.0	Earth @100 cm	7.3	45.1	+0.1
Frost duration (hrs)	39.5			Rain duration (hrs)	(40.4)	*	
Rainfall total (mm / in)	41.8	1.65	89 %	59 th highest			
Highest daily fall	18.8	0.74	on 29 th				
Number of: Dry days (<0.2mm)	19	Wet days (>0.9mm)	8	days ≥5mm	2		
Sunshine total (hrs)	95.5	Daily mean	3.08	96 %	Sunniest day	9.6	on 18 th
N° days with: Air frost	8	Ground frost	16	Snow falling	6	Snow lying	1
Thunder	0	Hail ≥5mm	0	Small hail/ice	1	Fog @09	1
Air pressure MSL : Mean @09 GMT (mbar/in)	1016.8		+1.2	30.03			
Absolute highest	1034.6			30.55		on 9 th	
Absolute lowest	998.8			29.49		on 2 nd	

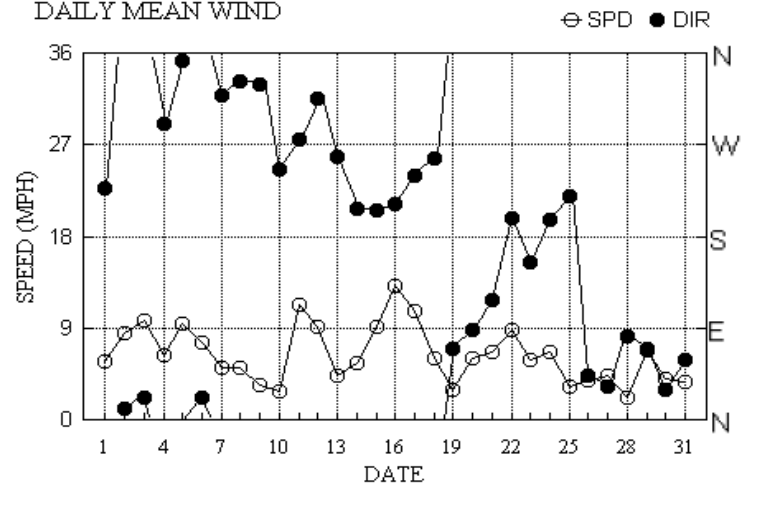
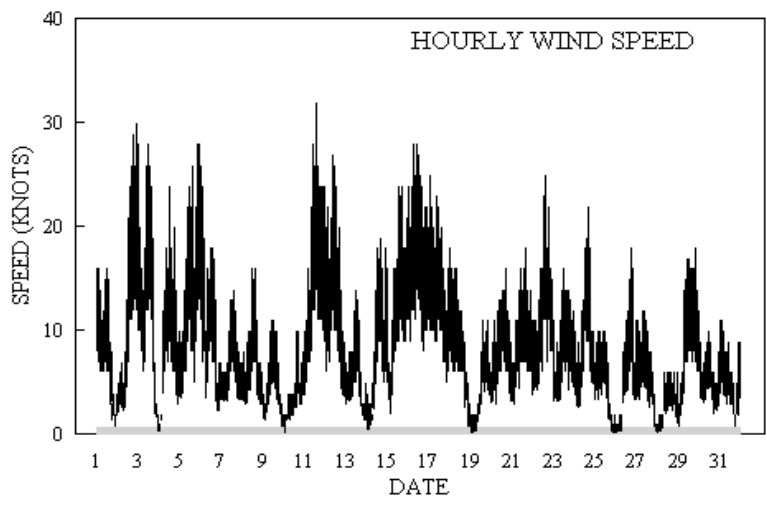
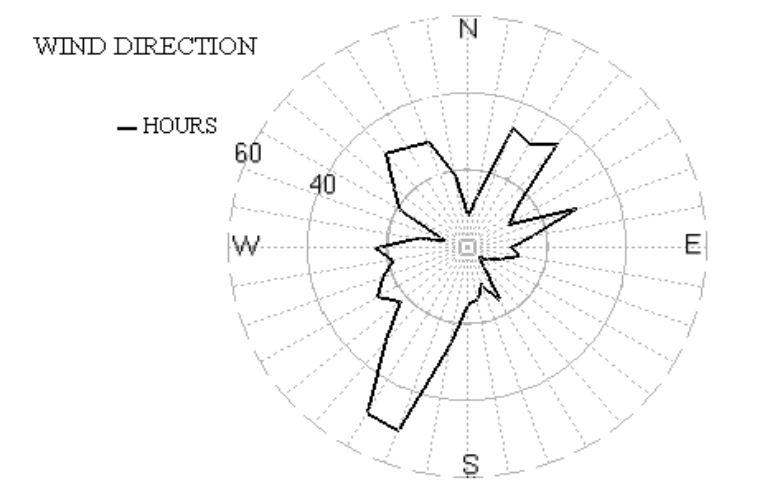
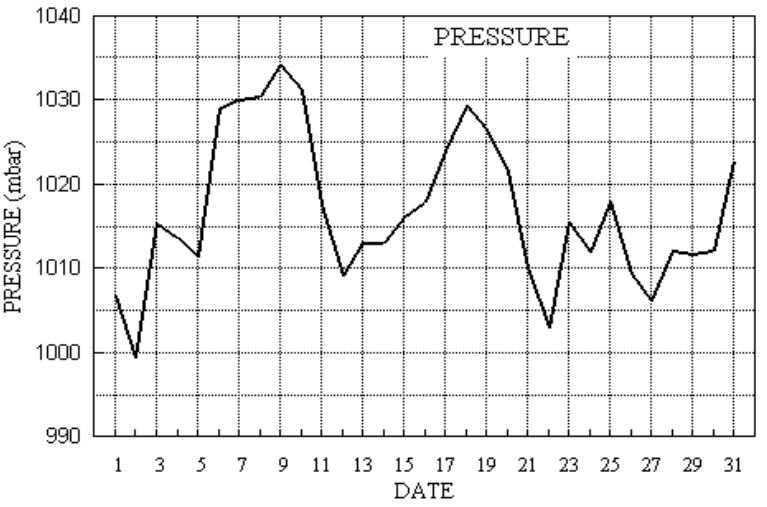
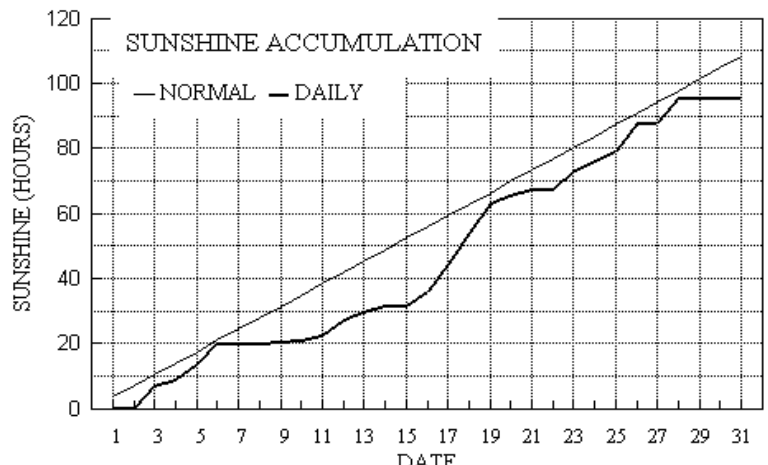
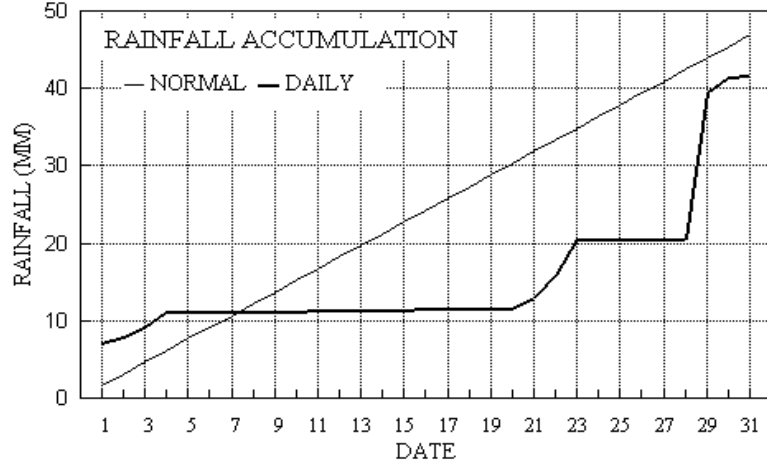
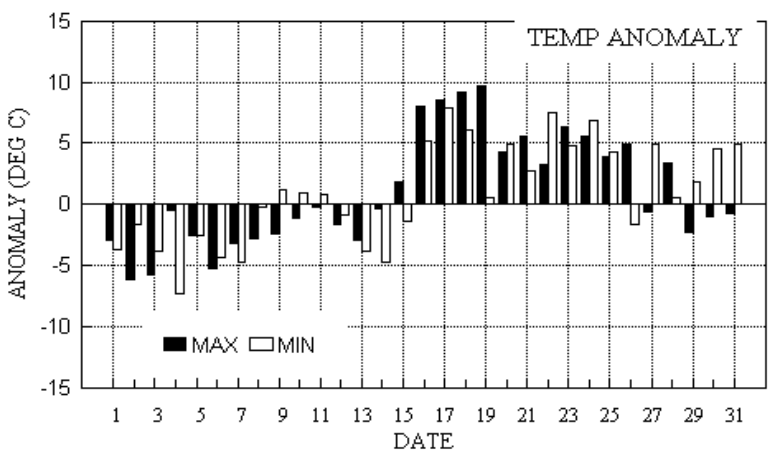
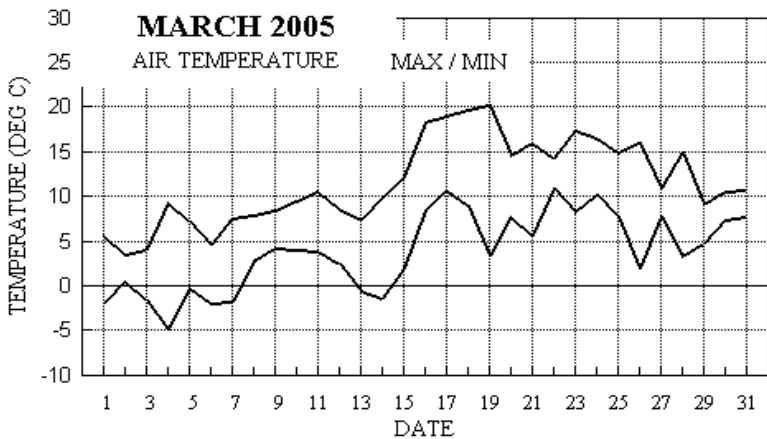
Anomaly = departure from 1971 to 2000 average (degrees C, percent and mbar).

* Excluding snowfall on 3rd and 4th.

Notes: **Mild and Dull with Near Normal Rainfall.**

Temperature. A month of contrasting first and second halves, whereby a cold first two weeks was more than offset by 10 mild or very mild days, with a heat-wave from the 16th to the 19th. The mean temperature is 1.4° above the long-term median, but is lower than in all recent years since 1997 with the exception of 2004. The mean minimum is 2.0° above the median while the mean maximum is only 1.2° above its median. The highest maximum, 20.2° on the 19th, ranks only 12th highest in the past 102 years, yet it is highest since 1990 and before that 1968, and is 3.5° above the median. The lowest minimum is 0.9° below the median, but the highest minimum is 2.2° above the median and 5th highest in 93 years. The daily mean temperature of 14.9° on the 17th is highest for a March day in the past 30 years. The mean grass minimum is 0.7° above average, while the lowest value is 0.5° below average. **Rainfall.** The total this March is not far below average and is highest since 2002. The month was predominantly dry, with 3 more dry days than normal, and almost half the month's total fell during the final 3 days. 18.8 mm fell on the 29th, making it the wettest March day since 1984. There were 2 dry spells, one of 6 days ending on the 10th and of 5 days ending on the 28th. Snow fell on each of the first 6 days of the month, and there was 1 cm depth of snow lying at 0900 hours on the 4th. Freezing rain also fell briefly on the 4th, and there was small hail later the same day. **Sunshine.** This is the dullest March since 2001, and the 9.6 hours on the month's sunniest day is lowest since 1996. There were 19 days with <3 hours, 7 with =>6 hours and 1 with =>9 hours. **Wind.** The mean speed of 6.3 mph is equal lowest with 2003 since before 1988. The windiest day was the 16th, mean 13.1 mph, but the month's highest gust of 37 mph was on the 11th. The least windy day was the 28th, 2.2 mph, and there were 26 hours with a mean speed of 0.5 mph or less. Daily mean direction /number of days: N,4 NE,4 E,4 SE,2 S,2 SW,7 W,4 NW,4. **Humidity.** The overall mean relative humidity was 79/1 %, with a minimum value of 38 % on the 6th. The mean water vapour content per kg of air was 5.5 g at 0900 GMT and 5.4 g at 1500 GMT. **Commentary. From the 1st to the 10th.** Temperatures were generally below normal, with daily anomalies of -6.2° for the maximum on the 2nd, the month's coldest day, and -7.3° for the minimum on the 4th, the month's coldest night, and 10 day mean anomalies of -3.3° and -2.6° for max/min resp. Wet for the first 4 days, then dry, giving a 10 day total rainfall 73 % of normal. Although 2 days had over 6 hours of sunshine, there were 6 with <1 hour, and the resulting 10 day mean is only 68 % of normal. A moderate SW'ly wind on the 1st became fresh N'ly on 2nd, dropping light NW'ly on 7th. **From the 11th to the 20th:** Temperatures near or below normal until the 15th, then a sudden change to very warm conditions, bringing anomalies for daily maxima between +8.0° and +9.7° from the 16th to 19th, this latter being the month's warmest day, and up to +7.9° for the minimum on the 17th, giving 10 day mean anomalies of +3.6° and +1.5° for max/min resp. Mostly dry, just 0.5 mm in total, 3 % of normal. Sunny at times, especially from 17th to 19th, and a 10 day mean 141 % of normal. Moderate or fresh W'ly winds backed SW'ly on 14th, veering W'ly on 18th, becoming light or moderate E'ly on 19th. **From the 21st to the 31st:** Temperatures above normal at first became near normal on the 27th, with daily anomalies for maximum up to +6.3° on the 23rd and +7.5° for the minimum on the 22nd, giving 11 day mean anomalies of +2.5° and +3.7° for max/min resp. A dry spell from the 24th to the 28th inc., but rain fell on all the rest, with 18.8 mm on the 29th, the month's wettest day, and an 11 day total 181 % of normal. 2 days with >6 hours of sunshine and 4 with nil gave an 11 day mean 84 % of normal. Moderate or fresh SE'ly wind on the 21st veered S'ly on 2nd, became light or moderate NE'ly from the 26th onwards.

Wokingham Climatological Data



Daily meteorological data.

Emmbrook, WOKINGHAM, Berkshire.

Month: MARCH 2005

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	5.6	-1.9	7.1	-0.1	4.1	7.1	0.1	0.0	1006.7	1	1	1	0	0	0	0	227	4.7	5.0	250	16	1102	230	8	00	6.8		
2	3.6	0.6	0.8	-0.6	4.5	7.0	0.0	0.0	999.5	0	1	1	0	0	0	0	11	7.0	7.3	30	30	2322	30	15	23	1.5		
3	4.0	-1.6	1.1	-3.7	4.4	6.9	6.9	11.4	1015.4	1	1	1	0	0	0	0	21	8.3	8.5	40	28	1228	20	14	10	xx		
4	9.3	-5.0	2.1	-9.9	4.0	6.8	1.9	9.0	1013.7	1	1	1	1	0	0	1	0	290	2.7	5.5	350	24	1323	230	10	09	xx	
5	7.2	-0.2	tr	-5.1	4.0	6.7	5.1	0.6	1011.4	1	1	1	0	0	0	0	0	353	7.1	8.2	40	28	2153	40	14	21	xx	
6	4.6	-2.0	0.0	-6.1	4.1	6.6	6.0	6.2	1029.0	1	1	1	0	0	0	0	0	22	5.7	6.5	40	26	0004	40	11	00	0.0	
7	7.6	-1.7	tr	-6.3	4.0	6.6	0.2	5.9	1030.0	1	1	0	0	0	0	0	0	319	4.3	4.5	340	14	1412	320	7	12	0.0	
8	8.0	2.8	0.0	3.0	4.5	6.5	0.0	0.0	1030.4	0	0	0	0	0	0	0	0	332	4.2	4.4	350	16	1256	340	7	15	0.0	
9	8.4	4.3	tr	2.9	4.9	6.5	0.3	0.0	1034.2	0	0	0	0	0	0	0	0	329	2.9	3.0	350	11	1334	320	5	10	0.0	
10	9.6	4.0	tr	2.3	5.3	6.5	0.6	0.0	1031.2	0	0	0	0	0	0	0	0	246	2.0	2.4	290	10	1717	260	5	15	0.0	
11	10.5	3.9	0.3	-1.7	5.5	6.5	1.5	0.0	1017.5	0	1	0	0	0	0	0	0	276	9.1	9.7	300	32	1426	300	15	14	0.5	
12	8.7	2.4	tr	-0.8	5.8	6.6	5.0	0.0	1009.2	0	1	0	0	0	0	0	0	316	7.6	7.9	320	27	0911	320	12	09	0.0	
13	7.4	-0.5	tr	-7.3	5.5	6.7	2.0	2.2	1013.1	1	1	0	0	0	0	0	0	258	3.4	3.7	260	14	1244	280	7	13	0.0	
14	9.9	-1.4	tr	-6.5	5.4	6.7	2.3	4.2	1013.0	1	1	0	0	0	0	0	0	207	4.6	4.8	200	19	1522	210	10	15	0.0	
15	12.1	1.9	tr	-3.7	5.6	6.7	0.1	0.0	1016.0	0	1	0	0	0	0	0	0	205	7.8	7.9	220	24	1659	210	12	13	0.0	
16	18.3	8.5	0.2	8.1	6.1	6.8	4.0	0.0	1018.0	0	0	0	0	0	0	0	0	212	11.3	11.4	210	28	0607	220	14	10	0.6	
17	19.0	10.8	0.0	8.5	7.2	6.9	8.6	0.0	1023.9	0	0	0	0	0	0	0	0	239	8.8	9.2	230	25	0132	230	12	01	0.0	
18	19.7	9.0	0.0	6.9	8.0	7.0	9.6	0.0	1029.2	0	0	0	0	0	0	0	0	256	5.1	5.3	250	16	0504	270	8	08	0.0	
19	20.2	3.4	0.0	-1.6	8.4	7.1	8.8	0.0	1026.4	0	1	0	0	0	0	1	0	69	2.0	2.5	70	11	1518	40	5	14	0.0	
20	14.7	7.8	0.0	0.9	8.9	7.4	2.8	0.0	1021.5	0	0	0	0	0	0	0	0	88	5.1	5.3	80	16	1623	90	8	13	0.0	
21	16.0	5.6	1.4	3.1	8.9	7.6	1.7	0.0	1010.0	0	0	0	0	0	0	0	0	118	5.1	5.8	160	18	1555	110	8	13	2.3	
22	14.3	11.0	2.8	9.5	9.1	7.8	0.1	0.0	1003.0	0	0	0	0	0	0	0	0	198	7.2	7.7	210	25	1447	210	13	14	1.5	
23	17.4	8.3	4.8	3.0	9.3	7.9	5.3	0.0	1015.5	0	0	0	0	0	0	0	0	154	4.2	5.2	190	16	1218	200	8	11	3.8	
24	16.6	10.3	0.0	5.9	9.7	8.0	3.3	0.0	1011.9	0	0	0	0	0	0	0	0	197	5.3	5.8	210	22	1518	200	12	15	0.0	
25	15.0	7.8	0.0	2.4	9.8	8.2	2.8	0.0	1018.0	0	0	0	0	0	0	0	0	219	2.4	2.8	260	10	1145	200	5	09	0.0	
26	16.0	1.9	0.0	-2.0	9.6	8.4	8.9	0.0	1009.4	0	1	0	0	0	0	0	0	44	3.2	3.4	40	18	1721	40	11	17	0.0	
27	10.9	7.8	0.0	5.0	9.7	8.5	0.0	0.0	1006.2	0	0	0	0	0	0	0	0	33	3.7	3.8	40	12	0948	40	7	09	0.0	
28	14.9	3.4	0.0	-1.6	9.5	8.6	7.6	0.0	1012.1	0	1	0	0	0	0	0	0	82	1.3	1.9	40	6	1630	60	3	15	0.0	
29	9.2	4.7	18.8	-0.3	9.8	8.7	0.0	0.0	1011.7	0	1	0	0	0	0	0	0	70	5.9	5.9	70	18	1947	70	9	14	17.4	
30	10.5	7.4	2.2	7.1	9.4	8.8	0.0	0.0	1012.2	0	0	0	0	0	0	0	0	30	3.4	3.5	40	10	1140	40	6	00	5.4	
31	10.7	7.8	0.2	7.8	9.5	8.9	0.0	0.0	1022.8	0	0	0	0	0	0	0	0	59	2.0	3.2	40	11	0155	30	6	02	0.6	
Total			41.8				95.5	39.5																			40.4	
Mean	11.6	3.9		0.6	6.9	7.3	3.08	1.3	1016.8									280	0.9	5.5								
Anom	+1.0	+1.0	89%		+0.0	+0.1	96%																				+1.2	
Daily mean		7.8							Pressure, abs highest =																		1034.6 on 9	
Anom		+1.0							Pressure, abs lowest =																			998.8 on 2
Number of days with:																												
Air frost = 8																												Ground frost = 16
Snow falling = 6																												Nil sun = 6
Hail=>5mm = 0																												Thunder = 0
																												Fog at 09GMT = 1

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 2005

Date	VV	N	dd	ff	gg	TT	Td	RH	r	PPP	a	ppp	ww	W1	W2	Nh	Cl	hCr	Ch	hshs	NChs	hshs	NChs	Date	Remarks
1	62	7	22	07	12	2.5	1.5	93	4.2	1006.7	6	013	21	7	6	7	5	3	/	/	83708	84615	85620	1	7Ci75 Sn lyng <10%<1cm
2	40	8	35	03	06	1.2	0.7	96	4.0	999.5	1	006	68	7	2	8	5	3	/	/	83708	88615		2	
3	80	1	02	10	18	0.9	-3.6	72	2.9	1015.4	2	022	26	8	0	1	8	4	0	0	81818			3	1Sc045 Cu fra Gnd sfc frzn Tr snow lyng
4	50	8	21	09	16	0.6	-0.2	94	3.7	1013.7	7	037	66	7	6	3	7	4	2	/	83715	88520		4	Snow lyng 1cm. Gnd sfc frzn.
5	84	2	34	08	17	3.0	-2.8	66	3.1	1011.4	2	003	03	0	0	2	5	6	0	2	82635			5	1Ci70 Hoar slt Gnd sfc frzn
6	68	0	01	06	10	1.4	-4.1	66	2.7	1029.0	2	028	02	0	0	0	0	9	0	0				6	Grnd sfc frzn Tr sn lyng, 20%
7	61	7	32	05	10	2.8	-0.5	79	3.6	1030.0	4	000	02	2	2	7	5	6	/	/	87645			7	
8	78	8	32	05	10	5.5	1.8	77	4.2	1030.4	2	002	02	2	2	8	5	6	/	/	82638	88642		8	
9	61	7	34	04	09	5.3	1.2	75	4.1	1034.2	2	007	02	2	2	7	5	6	/	/	82635	87640		9	
10	60	8	25	02	04	5.7	1.7	75	4.2	1031.2	0	001	60	6	2	8	5	6	/	/	82635	85640	88650	10	Pptn v stl.
11	80	7	27	08	22	8.2	4.1	75	4.9	1017.5	6	017	02	2	2	7	8	5	/	8	81825	87635	87275	11	Cu hum
12	84	1	32	12	24	5.1	-0.8	66	3.6	1009.2	2	003	03	0	0	1	8	5	0	0	81825			12	1Sc30 Cu fra Cu hum
13	80	7	26	05	08	2.9	-0.4	79	3.7	1013.1	3	007	02	1	1	6	5	7	/	1	86650	84075		13	COTRA
14	65	8	20	03	05	3.6	0.1	78	3.8	1013.0	1	010	03	2	2	5	5	7	3	7	85656	88270		14	1Ac63 COTRA U/a cot
15	59	8	20	08	16	8.6	6.2	85	5.9	1016.0	3	012	50	5	2	8	5	4	/	/	81712	86715	88630	15	
16	58	7	21	12	25	12.1	9.1	82	7.2	1018.0	0	006	05	2	2	7	5	4	/	1	87615			16	/Sc30 /Ci75
17	70	7	23	09	23	12.5	9.6	82	7.4	1023.9	3	030	01	2	2	5	6	4	3	1	85715	87075		17	1Ac68 COTRA
18	67	5	27	09	16	10.6	7.3	80	6.2	1029.2	0	003	01	2	2	3	5	4	3	0	83615	83365		18	COTRA at Ac level
19	03	3	24	02	03	7.9	7.9	100	6.5	1026.4	4	000	42	4	0	3	6	0	0	0	83701			19	
20	40	8	11	06	12	11.6	9.8	89	7.5	1021.5	7	001	05	2	2	8	6	3	/	/	88708			20	
21	57	8	10	07	14	11.0	7.3	78	6.3	1010.0	7	014	05	2	2	2	0	9	3	7	82368	88275		21	COTRA Halo 22° part
22	50	8	20	08	16	12.2	11.3	94	8.4	1003.0	3	012	61	6	2	6	5	3	7	/	83708	85620	87358	22	8As60
23	58	7	19	05	11	12.5	10.0	85	7.6	1015.5	1	012	05	8	1	3	8	3	3	2	82708	86070		23	1Cu25 2Sc35 1Ac58
24	35	8	20	05	10	12.0	11.2	95	8.3	1011.9	3	012	10	2	2	7	7	2	2	/	82705	85708	87712	24	8As60
25	72	7	21	06	09	12.0	7.9	76	6.6	1018.0	3	013	02	2	2	7	8	4	/	/	82818	87630		25	
26	60	0	07	02	07	10.4	8.6	88	7.0	1009.4	8	011	02	0	0	0	0	9	0	0				26	
27	58	8	04	05	09	9.0	6.9	86	6.2	1006.2	2	008	05	2	2	8	5	4	/	/	81710	86712	88618	27	
28	40	6	09	03	06	9.9	7.2	83	6.3	1012.1	2	009	05	1	1	4	6	4	3	1	84712	83078		28	1Ac65 COTRA
29	22	8	08	07	15	7.5	6.9	96	6.2	1011.7	1	003	10	2	2	8	6	2	/	/	88704			29	
30	12	8	04	05	08	9.2	9.0	99	7.2	1012.2	2	017	51	6	5	8	7	2	/	/	87703	88705		30	Fog 700m 0650-0835
31	18	8	04	03	06	8.8	8.2	96	6.7	1022.8	2	018	20	5	4	8	6	2	/	/	83705	88710		31	

Mean vis = 14.0 km

Mean cloud = 6.2 78%

Mean wind speed = 6.1 kn

Mean gust = 12 kn

Mean TT = 7.3 C

Mean Td = 4.6 C

Mean RH = 83.4 %

Mean r = 5.5 g/kg

Mean PPP = 1016.8 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.

Weather observations. Emmbrook, Wokingham, Berkshire.

Observations at 1500 GMT for MARCH 2005

Date	VV	N	dd	ff	gg	TT	Td	RH	r	PPP	a	ppp	ww	W1	W2	Nh	Cl	h	Cr	Ch	shs	NCh	shs	NCh	shs	Date	Remarks
1	62	8	25	05	15	4.8	3.7	93	5.0	1002.9	6	022	63	6	2	2	5	4	2	/	81712	88530			1	2Sc20	
2	83	7	01	11	22	3.4	-1.6	70	3.4	1001.3	2	009	14	6	2	5	8	5	7	/	81822	85645	87467		2	1Ac57 jpS (vir) Cu hum	
3	81	5	03	15	25	3.4	-7.7	44	2.1	1018.0	2	012	14	8	1	5	8	6	0	0	84840				3	2Sc60 Cu med vir	
4	81	6	33	05	18	5.0	3.3	89	4.8	1009.7	5	001	21	8	6	4	8	4	7	/	81715	83650	85357		4	1Cu20 Cu con N	
5	62	7	34	08	20	6.2	-2.1	55	3.2	1009.0	6	011	15	8	1	7	8	6	/	/	84835	85650			5	jp NW, W&NE vv30k ex p	
6	80	6	01	07	16	4.3	-7.7	41	2.1	1030.3	7	002	02	2	2	6	5	6	0	0	86640				6	Absent vv&cld est	
7	72	8	33	06	14	7.1	0.5	63	3.9	1029.1	6	007	02	2	2	8	8	6	/	/	82830	88640			7	Cu hum	
8	82	8	34	07	14	7.7	0.1	58	3.7	1030.9	3	002	02	2	2	8	8	6	/	/	82835	88640			8		
9	72	8	35	05	10	7.9	1.1	62	4.0	1033.4	6	008	02	2	2	8	8	6	/	/	81830	85635	88640		9		
10	61	7	26	02	07	8.3	1.9	64	4.3	1029.0	8	021	03	6	1	7	8	5	/	/	85825	84645			10	Cu med	
11	83	7	29	16	32	10.4	0.0	49	3.8	1013.1	7	026	01	2	2	3	4	6	0	1	81838	83645	87078		11	COTRA Cu hum	
12	84	6	33	08	18	7.8	-2.1	49	3.3	1009.7	2	001	80	2	2	6	8	6	0	0	82845	83656			12	2Sc50 Cu med Pptn v slit	
13	83	7	27	05	11	7.2	-4.0	45	2.8	1012.2	6	006	02	2	2	7	8	6	/	1	81840	83650	87656		13	/Ci75 Cu med	
14	75	8	20	08	17	9.3	1.5	58	4.2	1012.6	8	003	02	2	2	3	8	6	3	7	82832	88272			14	1Sc45 2Sc56 1Ac64 COTRA Cu med Halo 22°	
15	60	8	21	11	20	11.2	7.9	80	6.6	1016.4	0	001	02	2	2	8	5	4	/	/	82715	87618	88635		15		
16	68	8	23	12	25	15.0	10.7	75	8.0	1016.7	5	007	03	2	2	7	5	5	2	/	82628	87632	88460		16		
17	75	1	28	10	17	18.9	10.0	56	7.5	1026.2	2	008	02	0	0	1	1	6	0	1	81836				17	1Ci80 Absent vv&cld est	
18	80	1	27	06	12	19.2	8.5	50	6.8	1027.3	6	012	02	0	0	1	0	9	3	1	81367				18	1Ci75 COTRA	
19	61	2	06	05	10	20.1	8.8	48	7.0	1023.3	6	018	02	0	0	1	1	6	0	1	81840				19	2Ci80 COTRA Cu hum	
20	40	7	08	07	13	14.0	9.4	74	7.3	1018.3	6	020	05	2	2	6	6	4	3	/	86714				20	/Ac59	
21	63	8	14	06	14	15.7	8.5	62	6.9	1006.4	6	019	03	2	2	8	0	9	7	/	81365	88468			21		
22	75	7	21	14	25	14.1	9.4	74	7.4	1005.5	2	010	03	2	2	4	8	5	3	1	83822	83358	87075		22	2Sc45 COTRA Cu med	
23	80	7	14	06	14	16.9	7.4	53	6.4	1013.9	7	012	02	2	2	1	1	6	3	2	81835	83070	86075		23	1Ac68 COTRA Cu hum Halo 22° part	
24	75	6	21	11	19	16.0	7.9	59	6.6	1012.4	8	001	02	2	2	3	8	6	0	1	83830	84075			24	1Sc50 Cu med	
25	84	5	30	01	07	14.0	6.1	59	5.8	1015.6	6	019	01	2	2	5	4	6	0	0	81835	85640			25	Cu hum	
26	70	4	04	06	12	15.1	7.0	58	6.3	1006.0	7	016	01	1	1	1	2	6	6	0	81840	84358			26	Cu con	
27	60	8	03	03	06	10.8	6.6	75	6.1	1007.1	2	002	05	2	2	8	5	4	/	/	82713	85615	88618		27		
28	62	5	06	03	05	14.0	6.0	57	5.8	1011.6	7	005	02	1	1	1	1	6	3	0	81835	85360			28	Cu hum	
29	23	8	07	09	16	7.9	7.5	97	6.5	1010.8	8	006	63	6	2	8	7	2	/	/	83705	88708			29		
30	23	8	04	03	06	10.3	9.9	97	7.6	1014.6	3	014	10	5	2	8	6	2	/	/	86705	88707			30		
31	40	8	15	03	06	10.2	9.0	92	7.1	1023.4	4	000	50	5	2	8	6	3	/	/	83706	86708	88711		31		

Mean vis = 23.2 km
 Mean cloud = 6.4 80%
 Mean wind speed = 7.2 kn
 Mean gust = 15 kn
 Mean TT = 10.9 C
 Mean TdTd = 4.1 C
 Mean RH = 64.7 %
 Mean r = 5.4 g/kg
 Mean PPP = 1016.0 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
 MARCH 2005

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	2.6	5.6	13:51	0.7	06:28	92.7	98.1	22:45	82.5	00:00			0	0	0	0	346	594	498	2	
02	1.8	3.6	14:16	-0.1	23:59	88.0	97.7	00:00	69.1	15:11			0	0	0	384	219	674	163	0	
03	0.4	4.0	13:19	-3.0	23:58	68.1	88.4	23:58	39.9	14:06	32		0	1	398	738	271	0	0	0	
04	1.4	9.3	13:08	-3.8	01:14	86.7	100.0	08:11	67.9	13:09			0	0	0	402	381	302	246	109	
05	2.8	7.2	14:45	0.4	23:54	71.8	85.7	19:22	48.3	11:10			0	0	228	812	400	0	0	0	
06	1.7	4.6	14:28	-1.9	07:07	66.4	97.6	07:25	38.4	14:28			0	14	601	484	138	109	94	0	
07	3.6	7.9	13:43	-1.1	03:43	74.9	88.3	03:48	58.1	13:42	94		0	0	31	969	346	0	0	0	
08	6.2	8.2	13:23	4.8	05:44	68.8	78.7	02:09	56.5	15:10			0	0	156	1284	0	0	0	0	
09	6.3	8.7	13:27	4.7	07:30	68.5	76.8	07:46	55.6	12:54			0	0	264	1176	0	0	0	0	
10	6.1	9.5	14:15	4.7	04:49	76.3	88.5	23:58	58.6	14:14			0	0	12	1082	346	0	0	0	
11	7.2	10.5	14:53	4.1	02:14	72.0	88.8	00:04	48.3	14:53			0	0	379	580	481	0	0	0	
12	5.2	8.7	14:36	2.2	23:59	62.1	81.2	00:00	43.8	14:37			0	0	618	815	7	0	0	0	
13	3.7	7.4	14:56	-0.2	06:27	66.2	84.4	06:35	44.6	14:55			0	0	572	564	304	0	0	0	
14	5.2	9.9	16:24	-0.2	04:23	70.1	87.6	07:04	53.9	15:41			0	0	385	760	295	0	0	0	
15	9.0	12.0	16:23	4.2	04:14	82.3	87.1	10:06	74.3	00:00			0	0	0	319	1121	0	0	0	
16	12.9	18.3	12:51	10.9	07:28	81.0	94.6	16:58	50.4	12:53			0	0	173	202	705	360	0	0	
17	13.5	19.0	15:03	10.2	23:59	78.6	90.4	04:43	54.7	14:22			0	0	205	380	788	67	0	0	
18	13.0	19.7	15:15	9.0	23:02	74.1	92.9	23:49	49.4	15:20			0	0	330	410	638	62	0	0	
19	11.9	20.2	14:26	4.3	06:28	80.4	100.0	08:16	46.1	14:47			0	0	301	287	116	330	315	91	
20	10.8	14.7	15:25	6.6	23:59	87.8	97.4	01:36	68.8	15:30			0	0	0	341	367	395	337	0	
21	11.8	16.0	12:48	5.9	02:47	77.6	97.8	03:20	57.5	12:51			0	0	98	826	47	172	297	0	
22	12.4	14.3	14:47	9.7	23:59	85.7	96.1	08:26	70.8	14:08			0	0	0	409	592	339	100	0	
23	12.7	17.4	12:22	9.0	05:57	74.2	96.2	07:57	49.8	16:25			0	0	374	500	103	375	88	0	
24	12.1	16.6	15:12	9.3	23:55	82.8	97.7	08:35	51.9	15:17			0	0	105	429	283	272	351	0	
25	11.0	15.0	16:41	5.5	23:59	78.1	95.7	01:45	52.5	16:38			0	0	301	432	215	386	106	0	
26	9.6	16.0	15:14	2.8	05:57	78.8	95.9	06:04	46.5	13:13	36		0	0	366	214	158	613	53	0	
27	9.0	10.9	15:04	4.8	23:53	86.6	94.5	22:57	74.8	14:48			0	0	0	217	599	624	0	0	
28	10.0	14.9	15:30	4.6	00:06	78.3	96.3	07:09	52.7	13:27			0	0	274	411	255	175	325	0	
29	7.3	8.8	13:10	5.2	05:30	96.0	98.8	23:17	86.8	00:20			0	0	0	0	60	362	602	416	
30	9.4	10.5	12:22	7.6	00:55	99.0	100.0	10:34	96.7	15:44			0	0	0	0	0	0	218	1222	
31	9.3	10.8	13:01	8.0	06:27	96.9	100.0	09:04	88.1	13:01			0	0	0	0	95	186	543	616	
Mean	7.7	11.6		4.2		79.1	92.7		59.3				0.00	0.01	3.32	8.29	5.20	3.44	2.33	1.32	
Hi	13.5	20.2		10.9		99.0	100.0		96.7	Tot	162		0	15	6171	15427	9676	6397	4336	2456	
Lo	0.4	3.6		-3.8		62.1	76.8		38.4												

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.