

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 2008

Temperature (°C / °F)			Anomaly	Rank in past 127 years			
Mean maximum	10.7	51.3	+0.1	56 th highest			
Mean minimum	3.3	37.9	+0.4	26 th highest			
Daily mean	7.0	44.6	+0.2	41 st highest			
Highest maximum	15.2	59.4	on 11 th	Lowest maximum	5.5	41.9	on 24 th
Highest minimum	8.9	48.0	on 2 nd	Lowest minimum	-4.5	23.9	on 5 th
Mean grass minimum	0.2	32.4		Lowest grass minimum	-9.9	14.2	on 5 th
Mean earth @30 cm	7.1	44.8	+0.2	Earth @100 cm	8.6	47.5	
Frost duration (hrs)	17.1			Rain duration (hrs)	58.8		
Rainfall total (mm / in)	73.3	2.87	156 %	21 st highest			
Highest daily fall	15.5	0.61	on 15 th				
Number of: Dry days (<0.2mm)	13	Wet days (>0.9mm)	14	days ≥5mm	4		
Sunshine total (hrs)	93.4	Daily mean	3.01	94 %	Sunniest day	8.9	on 30 th
N° days with: Air frost	5	Ground frost	14	Snow falling	6	Snow lying	0
Thunder	1	Hail ≥5mm	1	Small hail/ice	8	Fog @09	0
Nil sun	3						
Air pressure MSL : Mean @09 GMT (mbar/in)	1007.3		-8.3	29.75			
Absolute highest	1037.0			30.62		on 5 th	
Absolute lowest	961.2			28.38		on 10 th	

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

Notes:

Wet, Windy and Dull but with Temperature Above Normal.

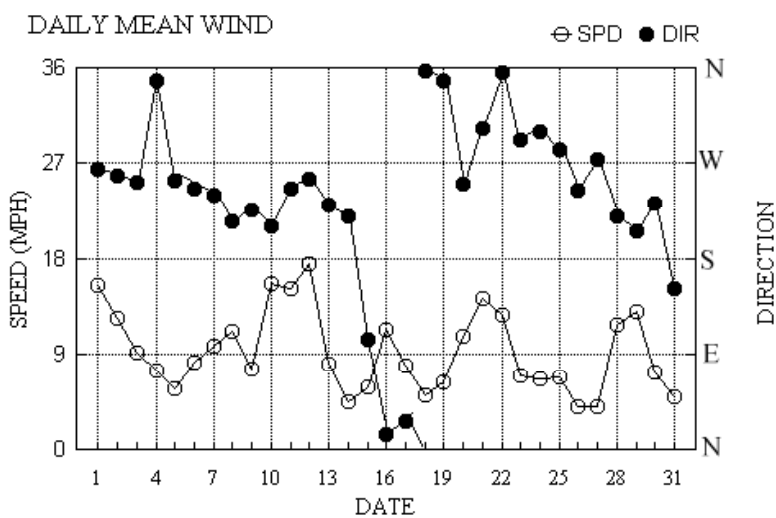
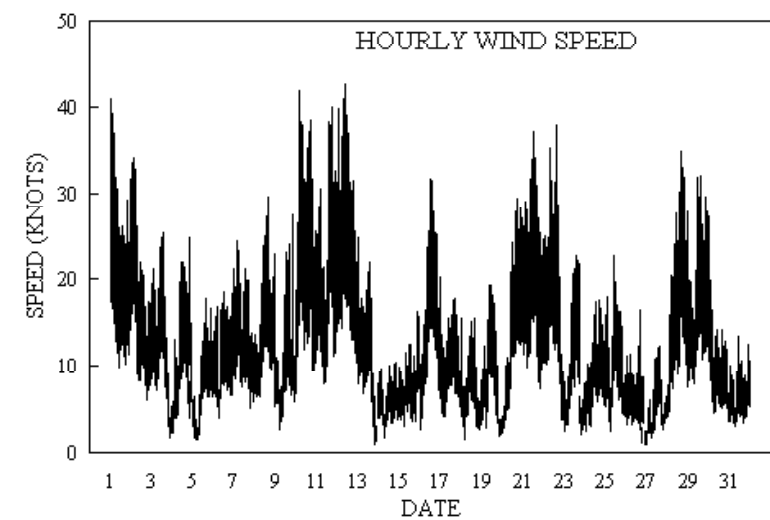
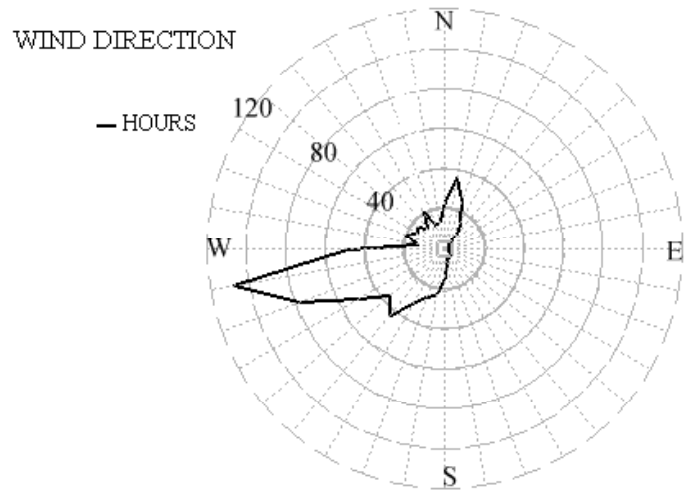
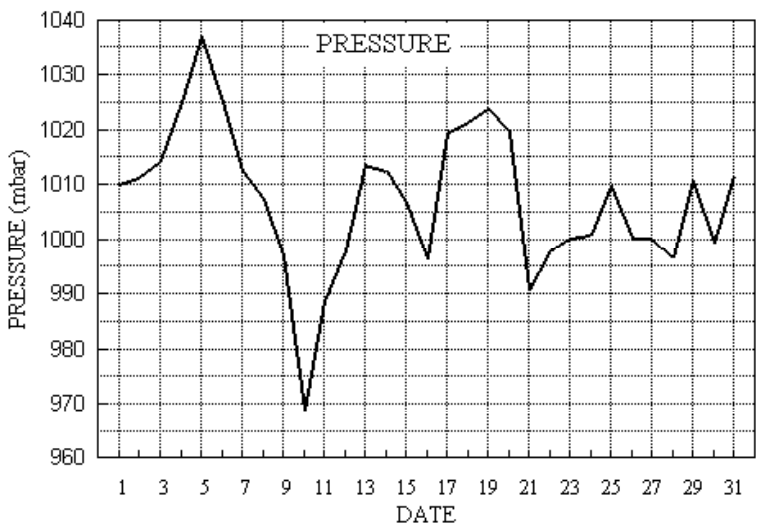
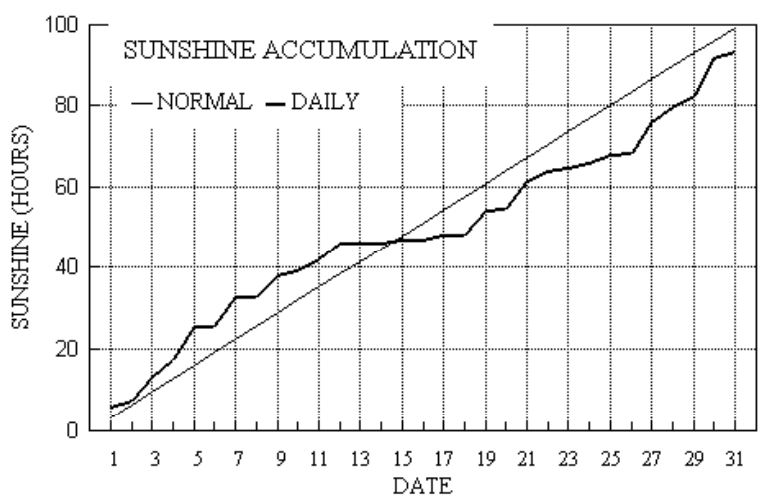
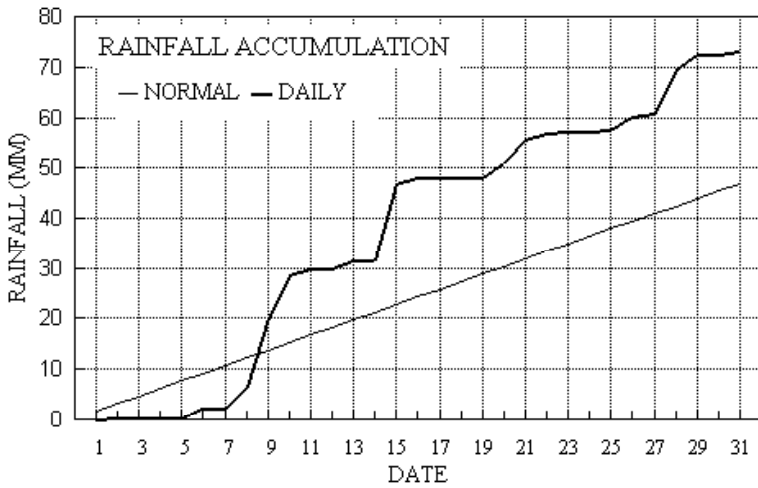
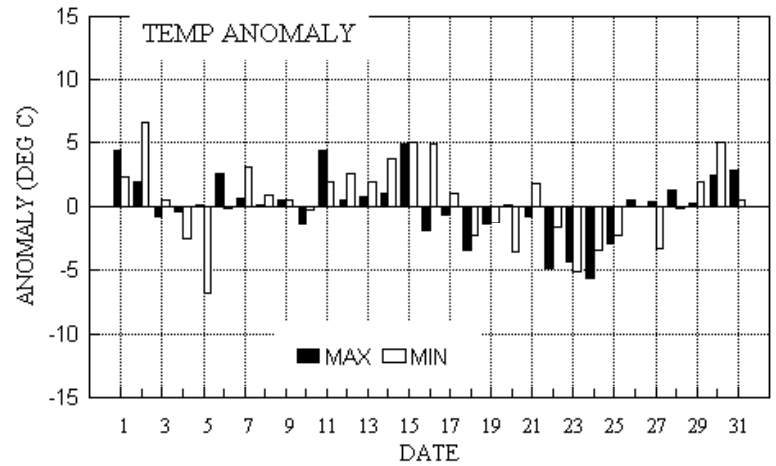
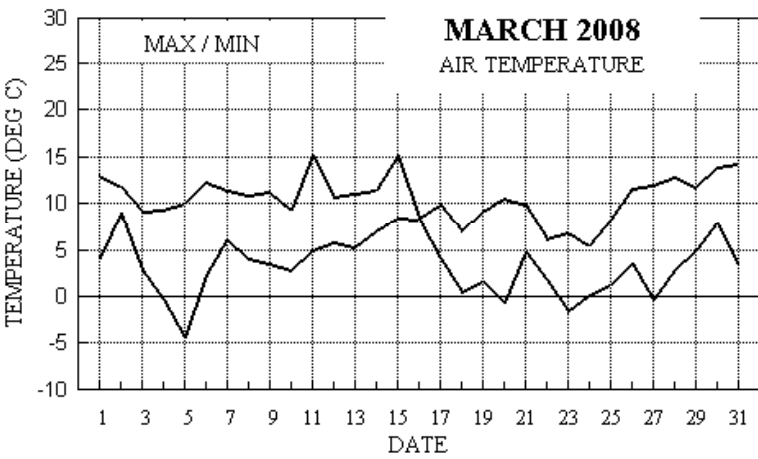
Temperature: Compared with recent years, this month's mean temperature is 0.8° below that of last March, and 1.2° above the previous March. It is interesting to note that the 127 year median value for the mean minimum is 2.0°, while the current 30 year (1971-2000) climatological value is 2.9°. 50 years previously, the 30 year mean min was 1.7°, an illustration of one local impact of global warming. This month's highest temperature is 1.5° below the median, while the month's lowest is 0.4° below its median. The lowest max is 1.0° above the median and the highest min is equal to the median value. The lowest grass min is 0.5° below average. Earth temperatures are close to normal. Air frost duration is 20.5 hours below average, and the number of days with air frost is 1 fewer, and ground frost 3 fewer, than average. **Rainfall:** Quite a wet March, with over one and a half times the average rainfall, wettest since 2001 and before that 1981. 15.5 mm on the month's wettest day is 6.0 mm above the median, but is highest only since 2005. There were 3 fewer dry days than average. A dry spell of 5 days ended on the 5th. Snow or sleet fell on the 4th, and on each day from the 20th to the 25th. The combined total of small and large hail days, 9, is a new record, the previous highest was 8 in 1995. Thunder occurred on the 21st, with hailstones 6 mm dia. A violent rain shower with small hail on the 10th gave a rain rate of 145 mm/hr at 1423 GMT. **Sunshine:** A March in the dull category, and lowest since 2001, this month's daily mean of 3.01 hours is 2.15 hours less than in this year's exceptionally sunny February. The 8.9 hours on the month's sunniest day is lowest since 1992. The period 11th to 20th had only 13 % of the maximum possible sunshine. Overall there were 18 days with <3 hours and 6 with => 6 hours. **Wind:** The mean wind speed this month was 9.2 mph, 1.4 mph above average and highest since 1995. The windiest day was the 12th, mean 17.5 mph, and is the windiest March day since 1998. The month's highest gust of 50 mph was also on the 12th. The 26th was the least windy day, mean 4.0 mph, and there were only 90 minutes (1.5 hours) with a mean speed of 0.5 mph or less. Daily mean direction/number of days: N,5 NE,1 E,1 SE,1 S,0 SW,12 W,9 NW,2. **Humidity:** The overall mean relative humidity was 72.6 % and the lowest was 33 % on the 27th. The mean water vapour content per kg of air was 4.6 g at 0900 and 4.4 g at 1500 GMT. **Pressure:** The mean pressure is lowest since 2001, but the lowest value recorded is lowest for March probably since before 1949. **Commentary:** The first week was dry and quite sunny. Temperatures were mostly near or above normal by day, but the nights of 4th and 5th were cold and frosty. W'ly winds were strong on 1st and 2nd, becoming moderate by the 4th. The 8th saw the start of a wet spell that continued on and off until the 15th, with near of below normal sunshine. Temperatures continued mainly near normal, but the 11th and 15th were mild. SW'ly winds were moderate or fresh on 8th, increasing to very strong on the 12th, dropping light on 14th and backing E'ly by 15th. The 16th to the 25th gave temperatures near or below normal, with a cool snap from 22nd to 25th. Not a lot of rain, but plenty of wintry showers. Dull until the 18th and again from the 22nd. Fresh N'ly wind on 16th temporarily dropped light but was strong NW'ly on 21st, decreasing moderate by 23rd. The month ended with another brief wet interlude, but temperatures climbed to end up above normal, and there was more sunshine than of late. W'ly winds backed S'ly by the 31st, and increased to fresh for the 28th to 30th.

Mean anomalies (max, min, rain, sun)

1 st to the 10 th				11 th to the 20 th				21 st to the 31 st			
+0.8°	+0.4°	191 %	122 %	+0.4°	+1.4°	151 %	47 %	-1.0°	-0.6°	132 %	109 %

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

Wokingham Climatological Graphs for March 2008



Month: MARCH 2008

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	13.0	4.1	0.0	5.4	6.6	8.1	6.0	0.0	1010.0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	264 12.9 13.4	260 41 0126	256 19 01	0.0	
2	11.8	8.9	0.1	7.6	7.2	8.1	1.4	0.0	1011.1	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	258 10.5 10.7	259 34 0310	259 17 03	0.2	
3	9.1	2.8	tr	-1.2	7.4	8.3	5.7	0.3	1014.2	0 1 0 0	0 0 0 0	0 0 0 0	0 0 0 0	252 7.8 7.9	237 26 1407	257 12 11	0.0	
4	9.4	-0.3	tr	-6.0	6.7	8.4	4.7	0.3	1025.0	1 1 1 0	0 0 0 0	0 0 0 0	0 0 0 0	348 5.9 6.5	33 25 2025	353 10 14	0.0	
5	10.0	-4.5	tr	-9.9	6.0	8.4	7.8	7.7	1037.0	1 1 0 0	0 0 0 0	0 0 0 0	0 0 0 0	254 4.7 5.0	243 18 1559	259 8 15	0.1	
6	12.4	2.2	1.9	1.9	6.1	8.3	0.0	0.0	1025.0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	246 7.0 7.2	259 19 1153	235 9 23	1.8	
7	11.5	6.2	0.0	4.9	6.8	8.3	7.2	0.0	1012.3	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	239 7.9 8.4	188 25 0405	206 12 04	0.0	
8	10.9	4.0	4.4	0.0	6.9	8.3	0.2	0.0	1007.2	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	215 9.6 9.7	216 30 1530	219 14 15	2.5	
9	11.3	3.6	13.6	-1.1	7.1	8.4	5.1	0.0	997.0	0 1 0 0	0 0 1 0	0 0 1 0	0 0 1 0	226 6.2 6.5	223 28 1946	245 11 16	6.6	
10	9.4	2.9	8.7	0.4	7.1	8.5	1.3	0.0	968.9	0 0 0 0	0 0 1 0	0 0 1 0	0 0 1 0	210 11.9 13.6	183 42 0438	178 18 05	4.2	
11	15.2	5.0	1.2	2.9	7.0	8.5	2.8	0.0	988.6	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	246 12.7 13.1	262 40 1721	254 19 14	1.3	
12	10.8	5.9	0.0	3.0	7.2	8.6	4.0	0.0	997.7	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	255 15.0 15.2	268 43 0823	259 19 08	0.0	
13	11.1	5.3	1.6	2.4	7.0	8.6	0.2	0.0	1013.6	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	230 6.3 7.0	249 25 0027	248 11 00	3.5	
14	11.4	7.1	tr	6.3	7.3	8.6	0.0	0.0	1012.4	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	220 3.4 3.9	192 11 1913	194 6 19	0.0	
15	15.2	8.4	15.5	7.5	7.9	8.7	0.6	0.0	1006.8	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	104 2.8 5.1	37 17 2154	38 8 21	14.2	
16	8.4	8.2	1.0	8.2	8.6	8.8	0.0	0.0	996.2	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	14 9.7 9.9	1 32 1212	10 16 13	2.0	
17	9.9	4.0	0.0	-1.1	8.1	9.0	1.1	0.0	1019.3	0 1 0 0	0 0 0 0	0 0 0 0	0 0 0 0	26 6.8 6.8	32 20 0030	23 9 00	0.0	
18	7.0	0.6	tr	-4.4	7.9	9.1	0.1	0.0	1021.5	0 1 0 0	0 0 1 0	0 0 1 0	0 0 1 0	358 4.3 4.4	4 16 1522	2 7 10	0.0	
19	9.1	1.6	tr	-2.5	7.6	9.1	5.9	1.0	1023.9	0 1 0 0	0 0 0 0	0 0 0 0	0 0 0 0	348 4.9 5.5	349 20 0933	359 10 08	0.0	
20	10.6	-0.7	3.2	-5.6	7.1	9.1	0.4	0.0	1019.6	1 1 0 0	0 0 0 0	0 0 0 0	0 0 0 0	251 9.2 9.2	255 30 1637	256 14 16	2.9	
21	9.8	4.7	4.6	2.7	7.3	9.0	7.2	0.0	990.7	0 0 1 0	1 1 0 0	1 1 0 0	1 1 0 0	303 11.7 12.3	310 37 1259	307 17 12	3.6	
22	6.2	1.8	1.2	0.3	7.2	9.0	2.4	0.1	997.9	0 0 1 0	0 0 1 0	0 0 1 0	0 0 1 0	356 10.4 11.0	5 38 1411	357 16 08	0.6	
23	6.8	-1.6	0.2	-6.8	6.5	9.0	0.8	6.9	1000.3	1 1 1 0	0 0 1 0	0 0 1 0	0 0 1 0	292 3.2 6.1	336 23 1329	2 12 15	0.7	
24	5.5	0.1	0.2	-4.1	6.1	8.9	1.2	0.0	1000.8	0 1 1 0	0 0 1 0	0 0 1 0	0 0 1 0	300 5.2 5.7	356 18 1550	353 9 16	1.0	
25	8.2	1.2	0.1	-1.8	6.0	8.7	1.9	0.0	1009.6	0 1 1 0	0 0 0 0	0 0 0 0	0 0 0 0	283 5.5 5.9	300 23 1036	302 9 11	0.1	
26	11.6	3.5	2.7	3.0	6.4	8.6	0.4	0.0	1000.2	0 0 0 0	0 0 0 0	0 0 1 0	0 0 1 0	244 2.2 3.5	311 17 1516	227 5 01	2.0	
27	11.9	-0.4	0.7	-5.7	6.9	8.5	7.6	0.8	1000.1	1 1 0 0	0 0 0 0	0 0 0 0	0 0 0 0	273 1.9 3.5	331 12 1531	328 6 14	1.2	
28	12.8	2.8	8.7	-3.3	7.1	8.6	3.7	0.0	996.5	0 1 0 0	0 0 1 0	0 0 1 0	0 0 1 0	219 8.1 10.2	254 35 1546	251 16 16	2.6	
29	11.8	4.9	3.1	1.5	7.2	8.6	3.0	0.0	1010.6	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	205 10.9 11.3	197 32 1529	197 15 15	6.9	
30	14.0	7.9	0.0	5.3	7.5	8.7	8.9	0.0	999.4	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	232 5.7 6.3	205 27 0053	203 13 00	0.0	
31	14.3	3.4	0.6	-3.0	7.9	8.7	1.8	0.0	1011.4	0 1 0 0	0 0 0 0	0 0 0 0	0 0 0 0	151 3.5 4.3	100 14 1010	194 6 21	0.8	
Total			73.3				93.4	17.1										58.8
Mean	10.7	3.3		0.2	7.1	8.6	3.01	0.6	1007.3					259 4.6 8.0				
Anom	+0.1	+0.4	156%		+0.2	+1.4	94%		-8.3									

Daily mean 7.0 Pressure, abs highest = 1037.0 on 5
 Anom +0.2 Pressure, abs lowest = 961.2 on 10

Number of days with:

Air frost = 5 Ground frost = 14 Nil sun = 3
 Snow falling = 6 Snow lying = 0 Thunder = 1
 Hail=>5mm = 1 Hail<5mm or ice = 8 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 2008

Date	VV	N	dd	ff	gg	TT	TdTd	RH	r	PPP	a	pppww	W1W2	Nh	Cl	h	Cr	Ch	shs	NChs	hNChs	Date	Remarks	
1	82	3	28	11	28	8.8	0.8	57	4.0	1010.0	2	053	03	0	0	3	8	6	0	1	81832	83645	1	1Ci80 COTRA Cu fra
2	82	7	27	10	20	11.1	4.0	61	5.0	1011.1	2	026	03	2	2	3	8	5	0	1	83820	86075	2	1Sc35 COTRA Cu hum
3	86	1	26	09	19	5.1	-2.3	59	3.2	1014.2	2	012	02	0	0	0	0	9	0	1	81075		3	COTRA
4	58	5	34	09	16	2.7	-1.5	74	3.4	1025.0	2	037	68	7	6	6	5	4	0	0	81715	83630 85645	4	
5	65	2	27	03	06	2.2	-2.1	74	3.1	1037.0	1	004	02	0	0	0	0	9	0	1	82078		5	COTRA Hoar slt Gnd sfc frzn
6	80	7	26	08	14	9.0	4.3	72	5.1	1025.0	7	006	02	2	2	7	5	6	/	1	87645		6	/Ci75
7	86	4	25	07	14	7.0	4.1	82	5.1	1012.3	3	015	01	6	1	1	1	4	7	1	81812	83363	7	1Ac57 2Ci70 COTRA Cu fra CF 0650
8	80	7	22	11	20	8.7	5.6	81	5.7	1007.2	7	017	03	2	2	7	5	4	7	/	84615	86618 87358	8	
9	68	7	24	05	08	6.0	4.8	92	5.4	997.0	1	003	03	1	1	1	5	6	1	8	81640	86272	9	2As68 Halo 22 part
10	62	8	24	20	36	5.3	3.0	85	4.9	968.9	5	018	63	6	6	6	5	4	2	/	82712	86618 88530	10	
11	75	7	23	10	21	6.7	1.3	69	4.3	988.6	0	010	60	6	1	1	5	6	7	/	81635	87360	11	2Ac57
12	78	7	26	20	43	7.9	-0.8	54	3.5	997.7	2	048	02	2	2	7	8	6	/	/	82835	87640	12	Cu hum
13	80	8	23	09	16	7.1	4.2	82	5.1	1013.6	1	009	03	2	2	1	1	4	7	7	81815	86463 88270	13	1Ac65 Cu fra
14	50	8	24	03	06	8.4	7.1	91	6.2	1012.4	1	012	05	2	2	6	5	3	7	/	82706	85630 88362	14	
15	56	8	14	06	12	10.5	8.8	89	7.1	1006.8	7	017	05	5	2	7	6	3	3	7	87706	83365 88270	15	COTRA
16	35	8	02	10	19	8.2	7.3	94	6.4	996.2	3	034	63	6	6	7	7	3	2	/	81707	87709 88515	16	
17	84	7	03	09	15	6.2	0.9	69	4.1	1019.3	2	017	02	6	2	7	8	5	/	/	81820	87645	17	Cu hum
18	80	7	01	06	11	4.4	-0.9	68	3.5	1021.5	2	011	14	2	2	7	5	7	/	/	87650		18	Sc str vir
19	86	2	36	10	18	5.3	-1.9	59	3.2	1023.9	2	014	03	0	0	1	8	5	0	1	81828		19	1Sc45 2Ci80 Cu fra/hum
20	80	8	23	05	10	6.0	2.0	76	4.4	1019.6	8	022	02	2	2	7	0	9	7	8	83358	87360	20	2As58 /Cs70
21	89	6	30	15	31	5.7	-1.5	60	3.5	990.7	6	004	01	8	1	2	1	5	7	0	82828	85362	21	1As58 Cu hum
22	60	8	36	16	30	3.0	-0.0	80	3.8	997.9	3	029	60	7	6	7	5	4	2	/	87618	88457	22	Sleet 07-08z.
23	40	8	23	09	17	1.5	-1.0	83	3.6	1000.3	7	032	71	7	2	2	7	4	2	/	82710	88525	23	snow&ice pellets (a)
24	61	8	27	08	13	3.4	-0.9	73	3.6	1000.8	6	002	60	6	2	4	8	4	2	/	82818	83640 88558	24	Sleet 0905
25	84	7	31	08	13	3.5	-4.5	56	2.7	1009.6	2	011	03	2	2	3	8	6	3	0	81830	83650 87365	25	Cu med
26	64	8	24	03	09	6.8	4.5	85	5.3	1000.2	7	006	60	6	2	4	5	6	7	/	82645	83656 88358	26	
27	60	6	29	02	06	4.9	2.8	86	4.7	1000.1	1	010	05	1	1	6	8	5	0	0	81820	85650	27	2Sc40 Cu con
28	62	8	17	11	24	7.3	5.9	91	5.8	996.5	7	038	60	6	5	8	5	3	/	/	82708	87712 88620	28	
29	72	5	22	10	21	10.1	4.3	67	5.1	1010.6	0	002	03	1	1	3	8	5	0	4	82825	83078	29	1Sc35 1Sc50 COTRA Cu med
30	81	5	26	06	13	9.5	4.6	71	5.2	999.4	1	020	02	2	2	2	1	5	3	8	82820	85075	30	1Ac68 2Cs72 Cu hum U/a cont
31	67	6	10	05	09	10.3	5.7	74	5.6	1011.4	2	028	01	2	2	6	8	4	0	1	81818	86622	31	1Ci75 Cu fra/hum

Mean vis = 27.1 km

Mean cloud = 6.3 79%

Mean wind speed = 8.8 kn

Mean gust = 17 kn

Mean TT = 6.5 °C

Mean TdTd = 2.2 °C

Mean RH = 74.6 %

Mean r = 4.6 g/kg

Mean PPP = 1007.3 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 2008

Date	VV	N	dd	ff	gg	TT	Td	Td	RH	r	PPP	a	ppp	ww	W1	W2	Nh	Cl	h	Cr	Ch	shs	NChs	h	NChs	Date	Remarks
1	83	3	26	14	26	12.2	-0.2	42	3.8	1012.7	2	001	02	1	1	2	8	6	3	0	81845					1	1Sc50 1Ac57 Cu hum
2	82	7	27	09	20	10.9	1.2	51	4.2	1011.4	8	005	02	2	2	4	8	6	7	2	82840	83645	85365			2	7Ci72 Cu hum
3	89	7	23	10	25	6.9	-0.8	58	3.5	1010.6	6	024	14	1	1	2	8	6	1	8	82835	83462	87270			3	1Sc50 Cu med Vir W
4	81	3	35	09	21	8.5	-2.8	45	3.0	1028.9	2	008	02	1	1	3	8	6	0	0	83845					4	1Sc50 Cu hum/med
5	80	7	26	07	14	9.2	-0.4	51	3.7	1032.7	7	025	03	2	2	7	8	6	0	1	82836	86656	85075			5	1Sc45 Cu hum
6	80	7	26	08	16	11.3	4.4	62	5.2	1022.4	7	019	02	2	2	7	8	6	/	/	81832	87645				6	Cu hum
7	82	4	26	09	20	10.7	-0.6	46	3.6	1011.9	7	007	02	1	1	2	8	6	0	1	82845	83075				7	1Sc56 COTRA Cu med
8	84	8	22	12	25	10.0	7.6	85	6.6	1001.8	7	029	21	6	5	7	5	4	7	/	83712	85620	88358			8	3Sc45
9	84	4	26	10	22	9.4	0.0	52	3.9	995.3	6	008	02	8	1	2	8	6	0	3	82835	83075				9	1Sc40 1Ci68 COTRA Cb top E&W
10	64	7	23	15	31	8.7	5.4	80	5.8	961.9	6	032	27	8	6	5	9	5	7	/	84920	85360				10	2Cu25 pR2ho 1423
11	68	3	25	21	38	14.6	4.2	50	5.2	985.3	5	001	01	8	1	3	8	6	0	0	83838					11	1Sc45 Cu med
12	86	2	27	14	31	10.3	-4.5	35	2.8	1006.4	2	035	01	1	1	2	1	7	0	1	82850					12	1Ci75 Cu hum
13	86	8	21	09	22	9.1	4.4	72	5.3	1011.7	8	020	60	6	2	2	8	5	7	/	81825	83357	88459			13	2Sc35 Cu med
14	62	8	21	03	08	10.4	7.1	80	6.3	1012.4	7	006	50	6	5	8	8	4	/	/	83815	87635	88656			14	Cu hum
15	61	8	03	05	07	12.3	9.1	80	7.3	1001.8	6	028	60	6	2	2	8	6	7	/	81830	87358	88460			15	1Sc40 2Sc56 Cu fra/hum
16	68	8	01	15	30	7.2	3.8	79	5.0	1004.4	2	041	21	6	2	8	5	4	/	/	87615	88618				16	
17	84	5	02	08	16	8.2	-2.9	45	3.1	1018.8	6	009	02	2	2	5	8	6	0	0	81840	85650				17	Cu hum/med
18	88	7	36	04	14	6.6	-3.3	49	2.9	1021.7	7	006	02	8	2	7	8	6	/	/	81838	87650				18	2Sc45 Cu med
19	84	7	34	08	17	7.4	-1.0	55	3.5	1024.2	7	001	25	8	2	7	8	6	0	1	82838	83650	85656			19	7Ci75 Cu med
20	65	8	24	12	24	7.6	4.5	81	5.2	1010.4	8	055	21	6	2	7	5	5	2	/	82620	86625	88535			20	
21	68	7	30	17	31	8.5	-0.5	53	3.7	989.4	7	006	80	8	2	7	8	6	/	/	85830	86650				21	2Sc40 Cu med
22	82	3	36	11	38	5.1	-1.4	63	3.5	1003.1	2	023	27	8	1	2	9	5	6	3	81920	81825				22	2Ac60 1Ci70
23	82	7	36	11	22	4.5	-1.7	64	3.4	998.3	3	011	02	8	2	7	8	5	/	/	84825	87635				23	
24	70	7	31	06	13	4.5	0.4	74	3.9	1000.5	1	003	80	8	6	7	8	5	/	/	83820	86650				24	2Sc35 Cu med
25	84	8	28	07	16	6.9	-2.3	52	3.2	1008.1	7	013	03	2	2	8	5	6	/	/	86635	88640				25	
26	65	7	33	05	12	10.4	3.1	60	4.9	997.9	6	008	15	2	2	7	8	5	7	/	81825	83830	85645			26	/Ac57 Cu med jp W&NW
27	82	2	34	05	12	11.5	-1.3	41	3.5	1002.2	2	012	02	1	1	2	8	6	0	0	82845					27	1Sc50 Cu med/hum
28	82	1	26	15	30	12.6	2.9	52	4.7	994.1	3	010	01	6	1	1	8	6	3	8	81835					28	1Sc50 1Ac65 1Cs70 Cu med Cs edge E
29	65	8	20	13	27	9.8	6.4	79	6.0	1005.8	7	034	61	6	2	6	8	5	2	/	85820	88540				29	2Sc35
30	84	4	25	07	14	13.8	-0.1	38	3.9	1001.2	3	009	02	1	1	1	2	7	0	3	81850	83078				30	1Ci70 Cb top S
31	82	7	15	04	10	12.3	4.5	59	5.2	1016.3	2	018	02	2	2	7	8	6	/	/	82830	86656				31	2Sc45 Cu med

Mean vis = 36.8 km

Mean cloud = 5.9 73%

Mean wind speed = 9.8 kn

Mean gust = 21 kn

Mean TT = 9.4 °C

Mean Td = 1.5 °C

Mean RH = 59.1 %

Mean r = 4.4 g/kg

Mean PPP = 1006.6 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.

March 2008	T mn	Tx	Time	Tn	Time	RHmn	RH x	Time	RH n	Time	Tdmn	r mn	r x	Time	r n	Time	p mn	p x	Time	p n	Time	R tot
1	10.20	12.5	1435	7.9	719	63.05	88.4	7	40.2	1438	3.24	4.90	7.5	6	3.5	1438	1008.50	1013.1	1128	998.0	112	2.4
2	10.43	13.0	46	7.1	2350	64.92	81.2	0	47.8	1420	3.96	5.16	7.3	125	3.9	2302	1010.57	1012.0	1052	1007.8	402	0.0
3	5.06	9.0	1221	-0.4	2253	65.24	91.1	2258	36.7	1144	-1.21	3.50	5.2	150	2.5	1144	1011.80	1014.3	945	1009.3	1752	0.0
4	3.75	9.5	1345	-0.7	55	67.86	92.9	109	38.2	1428	-2.16	3.21	4.3	1120	2.5	1736	1026.07	1035.0	2356	1012.6	0	0.2
5	4.01	10.1	1410	-4.3	640	70.90	94.0	644	44.7	1204	-1.18	3.48	4.8	2058	2.5	637	1033.93	1037.0	853	1029.1	2357	0.1
6	9.09	12.4	1205	6.2	640	67.77	81.7	641	54.7	1409	3.37	4.78	5.6	1650	3.9	2358	1023.62	1029.3	5	1017.5	2352	0.0
7	8.15	11.6	1313	5.3	2358	63.30	91.2	651	42.0	1412	1.30	4.20	5.9	651	3.3	1208	1012.41	1017.7	0	1010.1	637	1.7
8	7.87	10.8	1527	3.7	338	84.60	92.7	2259	72.6	1532	5.43	5.68	6.7	1403	4.2	13	1004.41	1011.8	1	997.6	2229	4.1
9	6.30	11.2	1420	2.7	2223	81.40	96.9	637	43.2	1556	3.11	4.85	5.9	1	3.4	1557	996.04	998.1	36	990.6	2359	1.6
10	6.71	9.3	1039	4.1	5	79.60	88.4	807	64.9	1041	3.41	5.06	6.2	1452	4.2	1949	971.65	990.7	0	961.2	1415	20.1
11	9.01	15.2	1420	5.3	717	68.93	90.1	1108	46.3	1515	3.46	5.05	7.9	1251	3.8	443	986.64	990.4	2320	979.2	0	1.5
12	7.63	10.8	1511	5.5	2319	56.78	78.0	2358	34.2	1458	-0.66	3.68	4.7	39	2.7	1458	1001.51	1011.6	2352	989.7	1	0.0
13	7.41	11.1	1255	5.1	126	84.00	97.5	2210	60.2	1400	4.80	5.38	6.6	2349	4.4	0	1011.26	1014.1	1000	1007.0	1937	1.5
14	9.25	11.2	1317	7.2	633	86.80	95.7	0	68.7	1101	7.12	6.28	6.9	2329	5.2	1101	1011.59	1013.3	1125	1008.1	1	0.1
15	10.81	14.8	1151	8.7	559	87.30	96.2	2356	58.8	1241	8.69	7.04	7.7	1804	5.9	1259	1003.42	1011.3	2	993.2	2358	4.8
16	7.70	10.1	0	5.3	2302	86.00	97.7	335	65.8	2037	5.45	5.75	7.5	39	3.9	2338	1001.68	1015.3	2359	991.8	326	9.8
17	5.68	9.6	1226	2.7	2359	65.96	87.6	618	39.7	1222	-0.43	3.68	4.6	804	2.8	1222	1018.59	1020.3	2359	1015.3	3	0.0
18	4.24	6.9	1452	0.2	316	63.47	87.2	324	43.7	1359	-2.31	3.18	3.8	1154	2.6	1405	1021.41	1022.6	2240	1019.8	401	0.0
19	4.48	9.1	1416	-0.8	2328	63.75	90.3	2331	44.2	1417	-2.03	3.24	3.9	1109	2.8	14	1023.82	1025.6	2138	1022.0	246	0.0
20	6.42	10.6	2255	0.1	58	76.60	87.4	1754	54.5	1144	2.55	4.65	6.5	2359	3.0	57	1013.54	1025.0	3	996.5	2359	1.6
21	6.54	9.9	1324	2.6	2321	64.07	89.7	16	35.9	1316	-0.06	3.94	6.7	18	2.7	1204	991.42	996.7	2	996.0	1638	5.2
22	2.65	6.1	1403	-0.1	2355	75.50	92.7	1239	55.5	1404	-1.34	3.50	4.3	1258	2.8	1817	1000.69	1008.3	2125	992.4	19	2.2
23	1.78	6.8	1251	-1.7	227	79.10	89.9	230	55.8	1557	-1.56	3.44	4.5	1236	2.9	153	1001.29	1008.0	13	997.0	1223	0.2
24	2.92	5.5	1516	0.1	114	74.40	87.3	937	55.7	1831	-1.25	3.51	4.3	1042	2.9	1838	1001.49	1004.9	2317	1000.1	1228	0.3
25	4.73	8.2	1646	1.1	550	63.52	81.2	352	46.7	1107	-1.80	3.36	4.2	2357	2.6	816	1007.40	1010.0	957	1004.3	2359	0.0
26	6.96	11.3	1202	4.7	2341	78.90	96.3	2348	54.3	1406	3.43	4.93	6.0	1132	4.0	209	999.80	1004.4	0	997.4	1552	2.7
27	5.86	12.0	1526	-0.6	543	71.90	97.6	632	32.1	1522	0.52	4.02	5.4	28	2.8	1522	1001.55	1005.2	2336	998.4	301	0.1
28	7.55	12.7	1421	3.2	1	76.00	93.8	1233	41.2	1545	3.33	4.96	7.3	1233	3.5	1546	999.26	1006.9	2358	992.9	1212	8.6
29	8.27	11.8	1137	4.7	356	76.00	87.0	2250	52.2	1150	4.21	5.20	6.3	2358	4.0	413	1006.24	1010.9	817	997.0	2345	2.9
30	9.85	13.9	1410	3.9	2358	67.14	92.6	2359	34.8	1639	3.52	5.00	6.5	27	3.2	1718	1000.63	1006.4	2359	996.1	404	0.2
31	8.79	14.0	1410	3.4	27	77.30	95.1	348	53.8	1525	4.78	5.33	6.3	841	4.5	27	1013.66	1020.1	2108	1006.3	4	0.0
Total																						71.9
Mean	6.78	10.68		2.97		72.65	90.63		48.99		1.93	4.51	5.85		3.45		1006.96	1012.60		1000.89		
Max	10.81	15.15		8.69		87.30	97.70		72.60		8.69	7.04	7.94		5.91		1033.93	1037.05		1029.10		
Min	1.78	5.49		-4.34		56.78	78.00		32.05		-2.31	3.18	3.77		2.47		971.65	990.37		961.18		

Wokingham Automatic Weather Station
 AWS samples taken every 0.5 seconds
 x and n refer to maximum and minimum respectively

Readings taken at Wokingham Climatological Station, Emmbrook, Berkshire
Lat 51.425 N, Long 0.853 W, NGR (SU) 798701
Altitude 45 m ASL.

Tmn = 00 to 24 GMT mean air temperature at 1.2 m, deg C
 RHmn = 00-24 GMT mean relative humidity at 1.2 m, percent
 Tdmn = 00-24 GMT mean dew point at 1.2 m, deg C
 rmn = 00-24 GMT mean humidity mixing ratio, g/kg
 pmn = 00-24 GMT mean air pressure reduced to mean sea level, mbar
 Rtot = 00-24 GMT rainfall total from AWS tipping bucket raingauge, mm
 Time = hours and minutes in GMT of extreme values