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 — APRIL 2006

Temperature (°C / °F)			Anomaly	Rank in the past **125** years			
Mean maximum	13.9	57.0	+0.8	45th highest			
Mean minimum	5.4	41.7	+1.3	7th highest			
Daily mean	9.6	49.3	+1.0	24th highest			
Highest maximum	18.1	64.6	on 22nd	Lowest maximum	9.1	48.4	on 4th
Highest minimum	10.0	50.0	on 20th	Lowest minimum	-2.2	28.0	on 5th
Mean grass minimum	1.4	34.5		Lowest grass minimum	-8.7	16.3	on 5th
Mean earth @30 cm	9.7	49.5	+0.3	Earth @100 cm	8.8	47.8	0.0
Frost duration (hrs)	12.9			Rain duration (hrs)	37.3		
Rainfall total (mm / in)	31.6	1.24	65 %	37th lowest			
Highest daily fall	10.7	0.42	on 30th				

Number of: Dry days (<0.2mm)	15	Wet days (>0.9mm)	7	days ≥5mm	1			
Sunshine total (hrs)	135.6	Daily mean	4.52	105 %	Sunniest day	12.8	on 5th	
No days with: Air frost	4	Ground frost	10	Snow falling 2	Snow lying	0		
Thunder	0	Hail ≥5mm	1	Small hail/ice 1	Fog @09	1	Nil sun	5

Air pressure MSL : Mean @09 GMT (mbar/in)	1016.0	+0.7	30.00	
Absolute highest	1027.6		30.34	on 27th
Absolute lowest	1002.6		29.61	on 1st

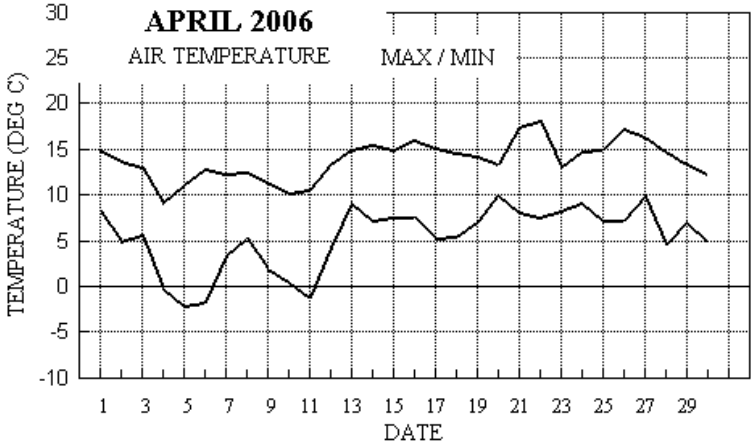
Anomaly = departure from 1971 to 2000 average (degrees C, percent and mbar).

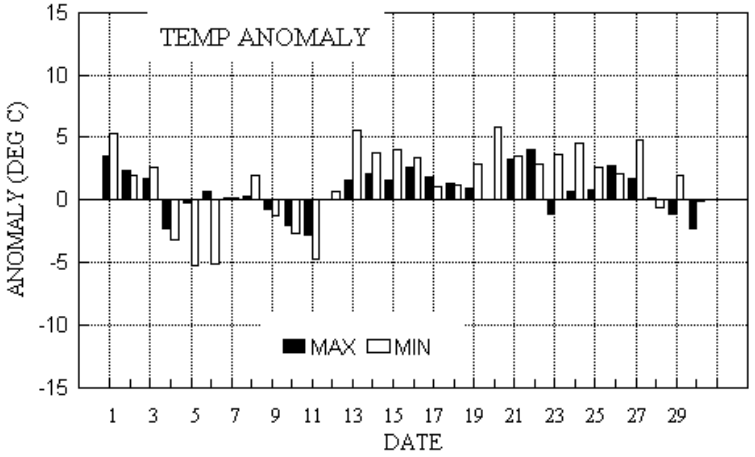
Notes: **Mild. Dry. Sunshine near Normal.**

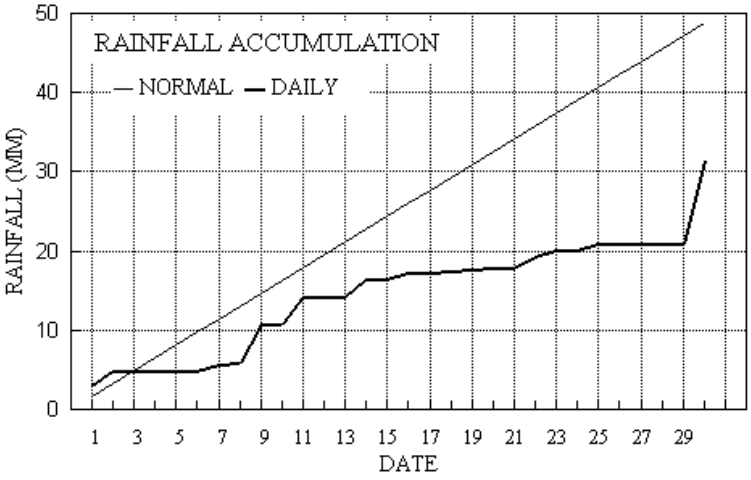
Temperature. Mean temperatures are not greatly different from recent Aprils, but still coolest since 2001. There are large differences between the rankings for the means of maximum and minimum, with this latter ranking 7th highest in 125 years, and just 1.0° below the record set in 1961, and highest since 1999, while the mean maximum is 4.7° below the record, and lowest since 2001. The highest max is also disappointing, being 2.5° below the median, and lowest since 2000. Both the lowest min and highest min are close to the median, while the lowest max is 1.5° above the median. The lowest grass min is lowest for April since 1996. Earth temperatures at 30 cm depth are equal lowest with 2001 since 2000, and at 1 m depth, lowest since 1996. The number of hours with air frost is a little below average, and the number of days with ground frost is fewest since 1998. **Rainfall.** This April is driest since 2003. However, in the past 30 years, 9 have been drier. Although there were 2 fewer dry days than average, there was only one day with =>5 mm, equal lowest with 1997, 1990 and 1985 since 1984. The amount of rain on the month's wettest day is close to the median. Snow fell together with rain on the 9th and 10th. Large hail (stones 5 mm diameter) fell on the 7th, and there was a fall of small hail on the 9th. **Sunshine.** While we ended up with a small surplus of sunshine hours this April, the distribution was highly skewed with well above normal sunshine over the first 10 days, and mostly below normal for the rest of the month. Overall there were 12 days with <3 hours, 11 with =>6 hours, 4 with =>9 hours and 2 with =>12 hours. **Wind.** The mean wind speed this April was 6.8 mph, 0.5 mph below average, but highest since 2002. The 13th was the windiest day, 12.0 mph, but the month's highest gust of 44 mph was on the 2nd. The 23rd was the least windy day, 3.8 mph, and there were 397 minutes (6.62 hours) with a mean speed of 0.5 mph or less. Daily mean direction/number of days: N,7 NE,3 E,0 SE,0 S,2 SW,9 W,7 NW,2. **Humidity.** The mean relative humidity was 74.1 % and the lowest was 25 % on the 5th. The mean water vapour content per kg of air was 5.6 g at 0900 GMT and 5.4 g at 1500 GMT. **Pressure.** With the highest pressure lowest since 1998 and the lowest pressure highest since 1997, the span for the month of 25.0 mbar is 13.3 mbar below average, and lowest since 1984. **Commentary. From the 1st to the 10th:** Mean anomalies (max, min, rain, sun) +0.3°, -0.6°, 66 %, 186 %. Daily maxima were generally within 2° of normal, though the anomaly on 1st was +3.5°, and was –2.3° on the 4th, the month's coldest day. For minima anomalies ranged from +5.3° on the 1st to –5.2° on the 5th, the month's coldest night. There were 5 dry days, and a total of 10.8 mm. Sunshine was plentiful, with 97 % of maximum on the 5th, the month's sunniest day, and a 10 day mean of 8.0 hours per day. Fresh SW'ly winds on 1st veered moderate N'ly by 4th, backing fresh SW'ly by 6th, veering moderate N'ly again on 9th. **From the 11th to the 20th:** Anomalies +0.9°, +2.4°, 44%, 58%. Apart for an anomaly of –2.8° for the max on the 11th, maxima were generally a little above normal. For minima anomalies ranged from –4.7° on the 11th to +5.8° on the 20th, the month's mildest night, with the 11th the only negative anomaly. Only 4 dry days, but a total of only 7.1 mm. After the sunny start to the month, this period in contrast was very dull, with a mean of only 2.5 hours per day, 6 days having <3 hours, and 45 % of the maximum possible on the 18th, the best for this period. Winds were fresh SW'ly on 11th, increasing strong on 13th, the month's windiest day, becoming light E'ly on 15th, Wly again on 16th, increasing moderate on 17th and fresh on 19th, backing SW'ly moderate on 20th. **From the 21st to the 30th:** Anomalies +0.9°, +2.5°, 84%, 72%. The mean anomalies were almost identical to the previous period, but daily anomalies for maxima reached +4.0° on the 22nd, the month's warmest day, but down to –2.3° on the 30th. For minima, anomalies ranged from –0.6° on the 28th to +4.8° on the 27th. 6 dry days, but 10.7 mm on the 30th, the month's wettest day, lifting the 10 day total to 13.7 mm. Sunshine was rather mixed, 4 days having nil, but the 22nd and 26th managed over 50 % of maximum. A moderate NE'ly wind on the 21st became light and rather variable for a few days before picking up with a moderate N'ly for the 28th and 29th, dropping light on the 30th.

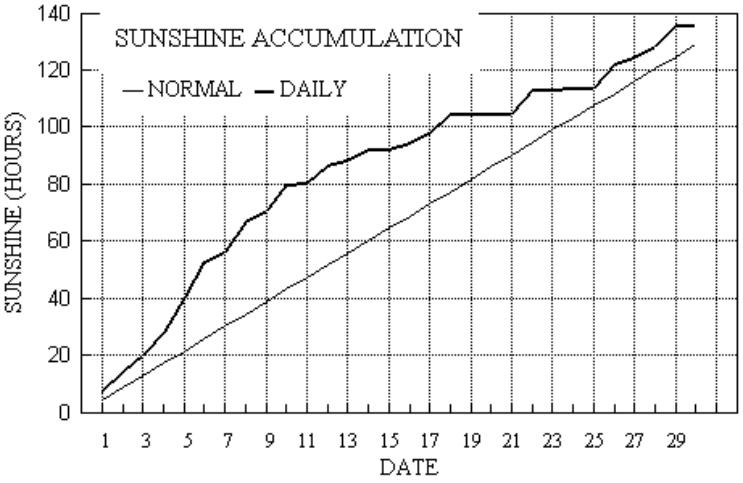
B J Burton. FRMetS. Hon. Met. Officer to Wokingham Town Council.

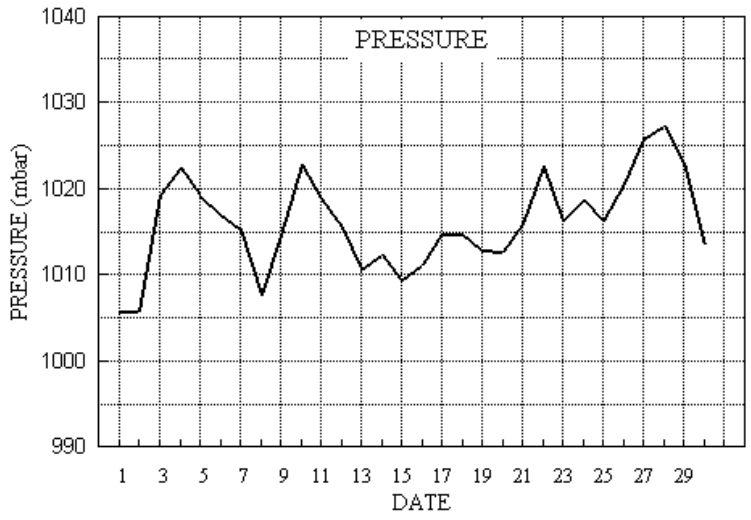
Wokingham Climatological Graphs

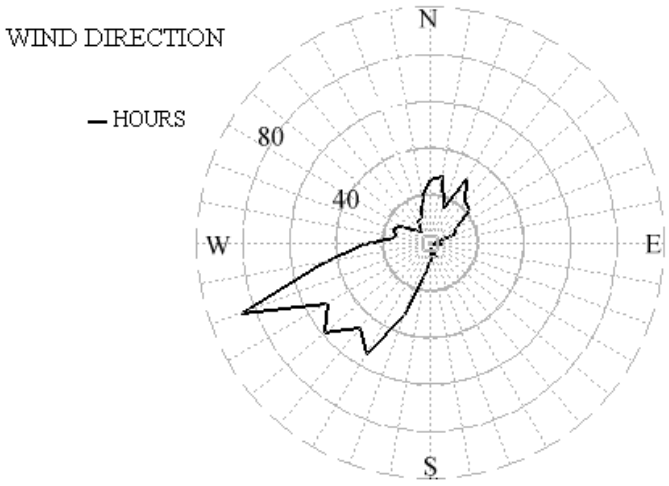


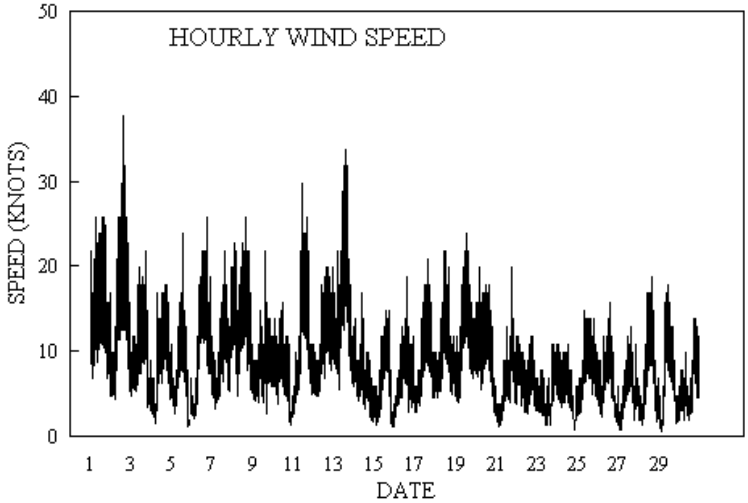


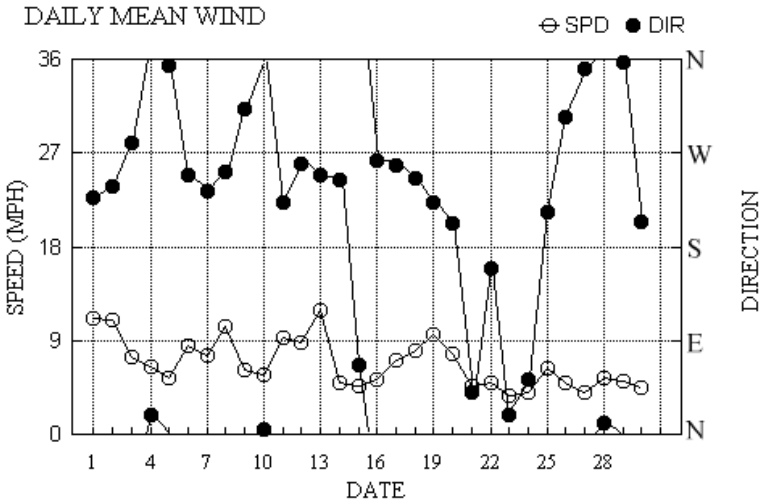












Daily meteorological data. Emmbrook, WOKINGHAM, Berkshire.

Month: APRIL 2006

Date	Max	Min	Rain	Grass	30cm	100cm	Sun	Frost	pp09	Af	Sf	Th	Ic	Vec mean			Max gust			High hr			Rain
	C	C	mm	Min	C	C	hrs	hrs	mbar	Gf	Sl	Ha	Fg	ddd	ff	sp	ddd	gg	HHhh	ddd	ff	HH	hrs
1	14.9	8.3	3.0	7.0	9.3	7.7	7.7	0.0	1005.7	0 0	0 0	0 0	0 0	228	9.3	9.6	230	26	1611	230	14	16	2.2
2	13.7	4.9	1.8	-1.1	9.3	7.9	6.7	0.0	1005.7	0 1	0 0	0 0	0 0	238	9.2	9.5	250	38	1549	240	14	12	0.5
3	13.1	5.6	0.0	2.6	9.2	8.0	5.9	0.0	1019.3	0 0	0 0	0 0	0 0	280	6.2	6.5	320	22	1728	280	10	14	0.0
4	9.1	-0.2	0.0	-5.5	8.9	8.1	7.5	0.6	1022.3	1 1	0 0	0 0	0 0	18	4.7	5.6	30	18	1519	30	10	15	0.0
5	11.1	-2.2	0.0	-8.7	8.4	8.2	12.8	5.3	1019.3	1 1	0 0	0 0	0 0	354	4.0	4.7	360	24	1305	350	8	13	0.0
6	12.9	-1.8	tr	-8.0	8.1	8.3	12.2	4.0	1016.9	1 1	0 0	0 0	0 0	249	7.0	7.4	260	26	1707	250	12	12	0.0
7	12.4	3.4	0.8	-2.6	8.4	8.2	3.6	0.0	1015.3	0 1	0 0	0 1	0 0	233	6.4	6.6	260	22	1447	260	11	15	0.7
8	12.5	5.3	0.3	-1.5	8.4	8.2	10.7	0.0	1007.6	0 1	0 0	0 0	0 0	252	8.8	9.0	260	26	1647	260	12	15	0.3
9	11.4	2.0	4.9	-1.5	8.5	8.2	4.1	0.0	1014.6	0 1	1 0	0 0	1 0	312	3.8	5.4	340	22	1416	340	9	14	7.4
10	10.2	0.6	0.0	-2.3	8.5	8.3	9.0	0.0	1022.7	0 1	1 0	0 0	0 0	5	4.0	4.9	30	16	1116	30	8	01	0.0
11	10.6	-1.2	3.4	-6.6	8.3	8.3	0.4	3.0	1018.9	1 1	0 0	0 0	0 0	223	7.9	8.0	230	30	1021	230	14	10	3.0
12	13.4	4.2	tr	0.2	7.9	8.4	5.9	0.0	1015.4	0 0	0 0	0 0	0 0	260	7.3	7.6	260	20	1745	260	11	15	0.0
13	14.9	9.1	tr	7.2	8.5	8.4	2.0	0.0	1010.6	0 0	0 0	0 0	0 0	249	10.2	10.4	260	34	1327	260	16	13	0.0
14	15.5	7.2	2.2	3.0	8.9	8.4	3.8	0.0	1012.3	0 0	0 0	0 0	0 0	244	3.5	4.2	240	17	0822	240	8	08	1.6
15	15.0	7.5	0.0	3.9	9.4	8.4	0.0	0.0	1009.3	0 0	0 0	0 0	0 0	66	3.3	4.0	70	15	1250	60	8	12	0.0
16	16.0	7.6	0.8	2.8	9.6	8.5	2.1	0.0	1011.1	0 0	0 0	0 0	0 0	263	4.2	4.5	340	19	1430	290	7	10	0.3
17	15.2	5.3	0.0	-0.3	9.8	8.6	3.9	0.0	1014.7	0 1	0 0	0 0	0 0	259	5.9	6.1	300	21	1417	270	9	14	0.0
18	14.7	5.4	0.2	1.4	9.8	8.8	6.3	0.0	1014.7	0 0	0 0	0 0	0 0	246	6.8	6.9	270	22	1023	260	11	10	0.4
19	14.3	7.1	0.2	2.8	10.0	8.9	0.2	0.0	1012.8	0 0	0 0	0 0	0 0	222	8.2	8.3	230	24	1208	230	12	12	0.3
20	13.4	10.0	0.3	8.8	10.2	9.0	0.1	0.0	1012.6	0 0	0 0	0 0	0 0	202	6.4	6.8	220	20	0319	210	11	12	0.5
21	17.4	8.1	0.0	6.2	10.3	9.0	0.0	0.0	1015.8	0 0	0 0	0 0	0 0	40	4.0	4.0	40	20	1815	30	9	18	0.0
22	18.1	7.5	1.4	5.9	10.6	9.1	8.5	0.0	1022.5	0 0	0 0	0 0	0 0	159	0.3	4.3	50	12	0148	40	6	01	3.6
23	13.0	8.2	0.9	4.5	11.3	9.2	0.0	0.0	1016.3	0 0	0 0	0 0	0 0	19	0.6	3.3	40	11	1946	30	6	20	4.8
24	14.8	9.1	0.0	9.1	11.2	9.4	0.4	0.0	1018.6	0 0	0 0	0 0	0 1	52	2.6	3.4	50	11	0045	70	5	10	0.0
25	14.9	7.2	0.7	2.2	11.2	9.6	0.0	0.0	1016.3	0 0	0 0	0 0	0 0	214	5.4	5.5	230	15	0716	210	8	13	1.0
26	17.3	7.2	0.0	1.4	11.1	9.7	8.5	0.0	1020.6	0 0	0 0	0 0	0 0	304	2.9	4.3	300	16	1323	310	8	12	0.0
27	16.3	9.9	0.0	7.9	11.7	9.9	2.1	0.0	1025.7	0 0	0 0	0 0	0 0	351	3.3	3.5	350	13	1500	350	6	15	0.0
28	14.8	4.5	0.0	0.4	11.6	10.0	4.0	0.0	1027.3	0 0	0 0	0 0	0 0	11	4.1	4.7	30	19	1607	20	10	11	0.0
29	13.4	7.0	tr	2.1	11.6	10.1	7.2	0.0	1023.0	0 0	0 0	0 0	0 0	358	3.6	4.5	360	18	1018	360	9	09	0.1
30	12.3	5.0	10.7	0.4	11.5	10.2	0.0	0.0	1013.4	0 0	0 0	0 0	0 0	204	1.7	3.9	200	14	1753	200	8	17	10.6
Total			31.6				135.6	12.9															37.3
Mean	13.9	5.4		1.4	9.7	8.8	4.52	0.4	1016.0					258	3.1	5.9							
Anom	+0.8	+1.3	65%		+0.3	-0.0	105%		+0.7														

Daily mean 9.6 Pressure, abs highest = 1027.6 on 27

Anom +1.0 Pressure, abs lowest = 1002.6 on 1

Number of days with:

Air frost = 4 Ground frost = 10 Nil sun = 5

Snow falling = 2 Snow lying = 0 Thunder = 0

Hail=>5mm = 1 Hail<5mm or ice = 1 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 APRIL 2006

Date	VV	N	dd	ff	gg	TT	TdTd	RH	r	PPP	a	ppp	ww	W1	W2	Nh	Cl	h	Cm	Ch	NChshs	NChshs	NChshs	Date	Remarks
1	82	2	25	11	24	10.3	5.0	70	5.5	1005.7	2	025	03	0	0	2	8	5	0	0	81825			1	2Sc35 Absent 1-3, vv est
2	80	2	23	12	23	10.4	6.3	76	6.0	1005.7	2	005	02	0	0	2	5	4	0	0	82618			2	
3	82	2	30	09	18	9.2	3.4	67	4.8	1019.3	2	024	02	1	1	2	8	5	3	0	81820			3	2Sc30 1Ac58
4	75	6	02	06	16	6.1	0.8	69	4.0	1022.3	1	003	03	2	2	1	1	5	0	1	81825	86080		4	COTRA Cu fra/hum
5	86	0	36	06	12	5.5	-4.9	47	2.6	1019.3	0	003	02	0	0	0	0	9	0	0				5	
6	86	5	25	08	17	8.3	-2.4	47	3.2	1016.9	7	002	02	2	2	1	0	9	4	1	81363	83070		6	2Ci80 COTRA
7	68	6	26	04	11	8.8	5.3	78	5.5	1015.3	2	002	80	8	1	5	8	4	0	1	83818	83078		7	2Sc50 COTRA Cu med
8	89	2	27	09	18	7.9	-0.3	56	3.7	1007.6	1	013	03	1	1	1	1	5	7	2	81828			8	1Ac62 2Ci72 Cu fra/hum
9	80	7	31	08	16	7.2	2.6	73	4.6	1014.6	2	015	03	1	1	7	8	5	/	/	83822	86630		9	Cu hum
10	70	1	01	07	16	5.7	0.6	69	3.8	1022.7	1	019	03	0	0	1	1	5	0	0	81820			10	Cu hum
11	83	8	23	12	23	6.5	0.1	63	3.8	1018.9	7	020	03	2	2	2	5	7	1	/	82656	88460		11	
12	82	2	29	08	17	10.5	4.8	68	5.3	1015.4	2	013	03	0	0	1	1	5	0	1	81825			12	1Ci70 COTRA Cu hum
13	72	7	25	10	23	12.1	8.9	81	7.1	1010.6	2	003	01	2	2	7	5	4	3	/	81715	87618	86362	13	
14	56	7	24	06	14	11.4	9.6	89	7.5	1012.3	8	001	60	6	5	7	5	3	/	/	82708	86712	87620	14	vv20k ex NW
15	58	8	06	03	06	10.0	8.8	92	7.1	1009.3	5	001	05	2	2	3	6	3	7	/	82708	86358	88462	15	2Sc35
16	82	7	27	05	11	13.6	8.4	71	6.9	1011.1	1	017	02	2	2	1	8	5	3	/	81825	87358		16	1Sc56 Cu hum
17	80	3	27	06	15	11.4	5.3	66	5.5	1014.7	1	007	03	1	1	3	2	5	0	1	83828			17	1Ci75 Cu med
18	68	4	25	09	18	11.0	5.4	68	5.5	1014.7	1	004	03	0	0	1	1	5	8	1	81828			18	1Ac60 2Ac64 2Ci75 Cu hum Ac cas
19	73	8	23	10	20	11.5	7.1	75	6.1	1012.8	4	000	03	2	2	3	1	5	7	7	83820	83365	88272	19	3As68
20	60	8	20	07	14	11.4	9.6	89	7.5	1012.6	1	003	01	6	5	8	5	3	/	/	82708	87712	88650	20	
21	61	8	04	04	08	11.9	9.1	83	7.2	1015.8	2	017	02	2	2	8	0	9	8	/	83357	86362	88465	21	Ac cas
22	61	7	03	03	08	9.4	5.9	79	5.7	1022.5	1	002	01	2	2	7	5	4	/	/	87618			22	
23	45	8	18	02	05	9.9	9.1	95	7.2	1016.3	1	005	61	6	6	4	5	6	2	/	81630	83640	88550	23	
24	07	8	04	04	10	9.6	9.4	99	7.3	1018.6	1	001	44	5	4	8	6	0	/	/	88701			24	
25	56	8	21	08	14	11.5	9.7	89	7.5	1016.3	1	006	05	2	2	8	6	4	/	/	88710			25	
26	63	1	29	05	11	13.6	7.9	69	6.6	1020.6	1	010	02	0	0	1	8	5	0	0	81825			26	1Sc30
27	73	6	36	04	08	13.8	6.8	63	6.1	1025.7	1	014	01	2	2	1	8	6	3	0	81645	86357		27	1Cu50
28	62	7	36	05	09	11.3	6.9	74	6.1	1027.3	2	002	02	2	2	7	8	5	/	/	81820	87650		28	Cu hum
29	75	7	36	08	17	10.9	2.6	56	4.5	1023.0	1	001	03	2	2	7	8	6	/	/	83830	86640		29	
30	63	8	04	04	08	6.8	4.0	82	5.1	1013.4	7	002	60	6	2	8	8	4	/	/	81815	83630	86640	30	8Sc50 Cu med/fra

Mean vis = 25.3 km
Mean cloud = 5.4 68%
Mean wind speed = 6.8 kn
Mean gust = 14 kn
Mean TT = 9.9 C
Mean TdTd = 5.2 C
Mean RH = 73.4 %
Mean r = 5.6 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.

Weather observations. Emmbrook, Wokingham, Berkshire.

Observations at 1500 GMT for APRIL 2006

Date	VV	N	dd	ff	gg	TT	TdTd	RH	r	PPP	a	ppp	ww	W1	W2	Nh	Cl	h	Cm	Ch	NChshs	NChshs	NChshs	Date	Remarks
1	60	7	26	13	27	11.6	4.3	61	5.2	1007.0	7	001	80	8	1	6	9	6	/	3	83930	83656		1	1Cu35 4Ci72 Absent 1-3 vv&cld est
2	80	5	24	13	26	12.3	7.1	71	6.3	1005.8	5	000	02	8	1	3	8	6	0	3	83835			2	1Sc56 2Ci72
3	84	4	28	11	20	11.7	-1.7	39	3.3	1020.0	7	003	01	1	1	4	1	7	0	0	84850			3	
4	83	4	03	08	16	8.7	-5.4	36	2.5	1020.1	8	017	02	1	1	3	8	6	0	1	82848			4	2Sc56 2Ci75 Cu med vir
5	86	1	33	06	16	10.2	-6.6	30	2.3	1017.5	7	005	02	0	0	1	1	7	0	1	81850			5	1Ci80 Cu hum
6	88	3	25	11	26	12.5	-5.2	29	2.6	1014.0	7	012	03	0	0	1	1	7	4	1	81856			6	1Ac57 1Ac65 1Ci70 2Ci80 COTRA Cu hum
7	82	7	26	13	25	11.5	-1.0	42	3.5	1011.9	8	019	02	8	2	2	8	6	0	8	82835	87275		7	1Sc50 Cu med Halo 22° Hail 1315-22
8	84	3	25	11	25	11.6	-2.7	37	3.1	1007.9	7	001	02	0	0	3	2	7	0	0	83850			8	Cu hum/med
9	80	7	36	08	21	7.5	3.9	78	5.0	1014.5	5	003	80	8	2	7	9	5	/	/	81715	86945		9	1Cu35 1Sc50 1Ac58 jp all quads. vv 60k NW
10	80	4	35	07	13	8.9	-2.1	46	3.2	1023.8	3	002	02	1	1	4	8	6	0	0	83848			10	2Sc50 Cu med
11	77	8	21	12	22	7.3	6.0	91	5.8	1012.3	7	038	61	6	6	7	5	4	2	/	82715	86620	88550	11	
12	80	7	26	09	19	12.7	2.7	51	4.6	1014.8	8	008	02	1	1	7	8	6	3	/	81845	87650		12	/Ac64 Cu hum
13	75	7	25	16	31	13.4	9.1	75	7.2	1009.8	6	003	02	2	2	7	8	4	3	/	86818	85358		13	2Sc30
14	82	6	27	05	10	13.9	7.7	66	6.5	1013.0	8	004	02	6	2	5	8	5	0	1	82828	83650		14	2Ci78 COTRA Cu med
15	59	8	07	08	16	14.3	7.9	65	6.7	1004.0	7	017	05	2	2	2	1	5	7	/	82828	85362	88465	15	Absent vv&cld est
16	80	8	33	05	15	11.4	9.6	89	7.5	1013.1	2	011	25	8	2	8	8	6	/	/	83830	88656		16	2Sc45 Cu med pr ceased 1450
17	82	5	27	08	20	14.4	4.8	52	5.3	1013.7	7	006	02	1	1	5	8	6	0	0	82845	84656		17	Cu med
18	78	7	26	09	19	14.1	5.7	57	5.7	1013.9	7	007	03	2	2	7	8	6	3	/	81835	84845	87656	18	/Ac58 Cu hum/med
19	72	7	23	10	21	13.9	7.2	64	6.3	1012.3	7	002	02	2	2	3	8	6	7	/	83830	87358		19	1Sc48
20	59	8	22	08	20	12.4	9.0	80	7.2	1011.8	7	001	80	8	6	7	8	4	7	/	81815	85820	88357	20	3Sc35 Cu fra/med
21	72	8	03	04	09	17.4	10.1	62	7.7	1016.9	2	004	02	2	2	1	2	7	7	/	81850	87361	88465	21	
22	70	7	27	04	10	17.3	6.1	48	5.8	1018.3	7	023	02	2	2	1	1	6	0	1	81845	87080		22	COTRA Cu hum U/a cont
23	61	8	33	02	05	12.4	9.7	83	7.5	1016.6	1	001	01	6	2	8	8	4	/	/	81815	83625	88640	23	Cu med
24	56	7	04	03	08	14.3	9.7	74	7.5	1016.8	8	009	05	2	2	7	8	4	/	/	85818	87650		24	
25	59	8	21	07	14	14.5	11.9	85	8.7	1016.7	0	000	05	2	2	8	5	3	/	/	83709	86712	88620	25	
26	72	5	33	06	14	15.8	6.2	53	5.8	1021.0	4	000	02	1	1	5	5	6	0	0	85640			26	
27	80	7	36	05	11	15.5	6.8	56	6.1	1025.6	8	002	02	2	2	7	8	6	/	/	82840	86656		27	Cu med Sc mam cigen
28	77	3	01	08	17	14.0	4.8	54	5.3	1025.7	8	008	02	1	1	2	8	6	0	1	82840			28	1Sc50 2Ci80 COTRA Cu med
29	82	3	36	06	15	13.2	-2.6	33	3.1	1020.6	8	012	01	1	1	3	4	7	0	1	83650			29	1Ci75
30	65	7	20	03	06	11.1	4.5	64	5.2	1010.5	7	017	02	2	2	7	8	6	/	/	82830	84640	87650	30	Cu hum

Mean vis = 29.2 km
Mean cloud = 6.0 75%
Mean wind speed = 8.0 kn
Mean gust = 17 kn
Mean TT = 12.7 C
Mean TdTd = 4.3 C
Mean RH = 59.0 %
Mean r = 5.4 g/kg
Mean PPP = 1015.0 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
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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

APRIL 2006

Date	Mean TT	Max TT	Time	Min TT	Time	Mean RH	Max RH	Time	Min RH	Time	Missing RH N >0	Number of minutes RH in given ranges 0-20	20-40	40-60	60-80	80-90	90-95	95-98	98-100
01	10.8	14.9	13:03	8.1	07:26	72.2	93.2	02:22	37.9	13:04		0	14	431	310	450	235	0	0
02	9.4	13.7	13:16	5.5	05:07	79.0	96.3	04:51	53.5	16:00		0	0	203	488	314	275	160	0
03	8.6	13.2	13:11	4.5	23:20	63.0	91.3	01:50	36.7	16:28		0	215	534	235	355	101	0	0
04	5.0	9.1	15:14	0.9	05:22	64.5	86.2	05:27	29.7	15:57		0	183	348	547	362	0	0	0
05	5.1	11.1	14:26	-1.6	05:24	56.5	89.4	06:26	24.7	16:23	34	0	478	329	184	415	0	0	0
06	6.8	12.9	14:23	-0.4	05:18	54.3	79.3	05:25	25.6	12:46		0	508	266	666	0	0	0	0
07	7.8	12.4	15:39	3.5	05:10	74.0	90.4	05:19	37.2	15:41		0	38	193	591	588	30	0	0
08	7.9	12.5	13:59	3.5	23:53	64.9	90.8	23:06	34.6	15:27		0	274	426	85	597	58	0	0
09	5.1	11.4	14:08	2.0	05:40	80.9	95.5	20:30	38.5	14:09		0	2	225	332	116	660	105	0
10	5.3	10.2	14:40	0.4	05:35	68.3	95.3	01:09	35.6	15:46		0	77	475	405	67	367	49	0
11	5.6	8.5	18:07	0.7	02:25	81.8	96.1	21:54	55.4	10:40		0	0	129	534	157	252	368	0
12	9.2	13.4	13:06	4.4	03:54	70.0	92.0	00:17	45.6	13:07		0	0	557	412	300	171	0	0
13	11.5	14.9	12:38	8.3	23:58	80.9	91.7	00:53	65.9	13:46		0	0	0	605	721	114	0	0
14	10.8	15.5	16:25	7.3	03:32	82.7	96.2	10:08	54.3	16:40		0	0	162	288	381	518	91	0
15	10.8	15.0	14:17	7.7	05:52	83.7	97.8	06:50	59.0	14:19		0	0	8	533	350	162	387	0
16	12.0	16.0	11:51	8.7	00:02	77.3	92.9	00:54	49.0	11:52		0	0	260	495	321	364	0	0
17	10.5	15.3	12:38	5.9	05:15	70.0	92.5	05:26	43.6	12:34		0	0	479	498	290	173	0	0
18	10.0	14.7	13:50	5.4	03:04	75.1	92.6	23:59	48.2	12:32		0	0	398	301	477	264	0	0
19	10.9	14.3	14:03	7.5	04:49	78.6	95.1	04:28	59.1	12:12		0	0	17	713	325	375	10	0
20	11.2	13.4	13:01	9.9	06:53	85.2	94.1	07:06	75.2	13:20		0	0	0	179	1085	176	0	0
21	12.6	17.5	15:49	8.5	04:35	81.7	96.7	03:55	59.5	15:21		0	0	6	563	335	286	250	0
22	12.1	18.1	15:54	7.7	06:16	68.5	91.1	00:05	45.7	15:12		0	0	473	476	441	50	0	0
23	10.7	13.3	12:49	8.2	05:40	84.3	97.1	23:58	59.4	00:00		0	0	35	287	603	410	105	0
24	11.2	14.8	16:05	9.2	23:58	89.7	99.9	09:22	66.6	16:06		0	0	0	371	209	175	211	474
25	11.5	15.0	16:43	8.0	04:33	92.2	98.9	05:07	84.6	14:38		0	0	0	0	574	381	368	117
26	12.6	17.4	14:22	7.5	05:04	71.3	97.9	00:13	47.2	13:15		0	0	475	508	29	204	224	0
27	12.9	16.3	14:19	8.6	23:59	66.9	81.6	04:17	46.0	14:19		0	0	282	1085	73	0	0	0
28	10.5	14.8	15:12	6.2	03:40	68.8	86.8	03:46	41.5	16:53		0	0	396	642	402	0	0	0
29	10.2	13.4	14:10	7.5	23:59	58.1	75.4	04:06	32.6	14:56		0	173	496	771	0	0	0	0
30	8.5	11.6	15:30	5.7	02:50	78.6	97.9	23:33	62.3	15:32		0	0	0	882	390	31	137	0
Mean	9.6	13.8		5.6		74.1	92.4		48.5			0.00	1.09	4.22	7.77	5.96	3.24	1.37	0.33
Hi	12.9	18.1		9.9		92.2	99.9		84.6	Tot	34	0	1962	7603	13986	10727	5832	2465	591
Lo	5.0	8.5		-1.6		54.3	75.4		24.7										

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.