

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

JUNE 2006

Temperature (°C / °F)			Anomaly	Rank in past 125 years			
Mean maximum	23.1	73.6	+3.3	3 rd highest			
Mean minimum	11.0	51.8	+0.9	15 th highest			
Daily mean	17.0	62.6	+2.0	6 th highest			
Highest maximum	31.0	87.8	on 12 th	Lowest maximum	15.7	60.3	on 26 th
Highest minimum	16.3	61.3	on 11 th	Lowest minimum	3.8	38.8	on 1 st
Mean grass minimum	7.8	46.0		Lowest grass minimum	-0.4	31.3	on 1 st
Mean earth @30 cm	17.4	62.3	+1.1	Earth @100 cm	14.9	58.8	+0.8
Frost duration (hrs)	0.0			Rain duration (hrs)	10.2		
Rainfall total (mm / in)	9.3	0.37	17 %	6 th lowest			
Highest daily fall	7.5	0.30	on 26 th				
Number of: Dry days (<0.2mm)	24	Wet days (>0.9mm)	1	days ≥5mm	1		
Sunshine total (hrs) 252.7	Daily mean 8.42	150 %		Sunniest day 15.5		on 3 rd & 9 th	
N° days with: Air frost 0	Ground frost 1	Snow falling 0	Snow lying 0				
Thunder 1	Hail ≥5mm 0	Small hail/ice 0	Fog @09 0	Nil sun	0		
Air pressure MSL : Mean @09 GMT (mbar/in)	1021.1	+4.1	30.15				
Absolute highest	1031.2		30.45	on 2 nd			
Absolute lowest	1008.3		29.78	on 21 st			

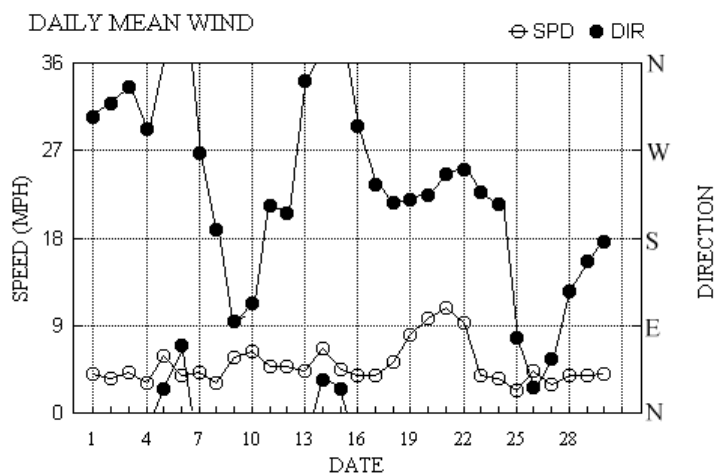
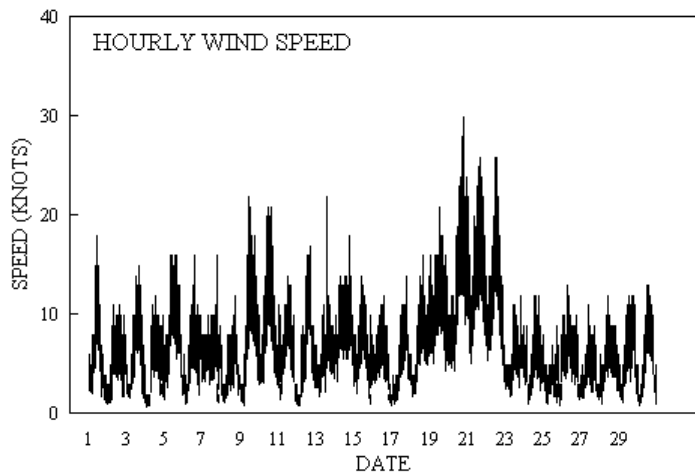
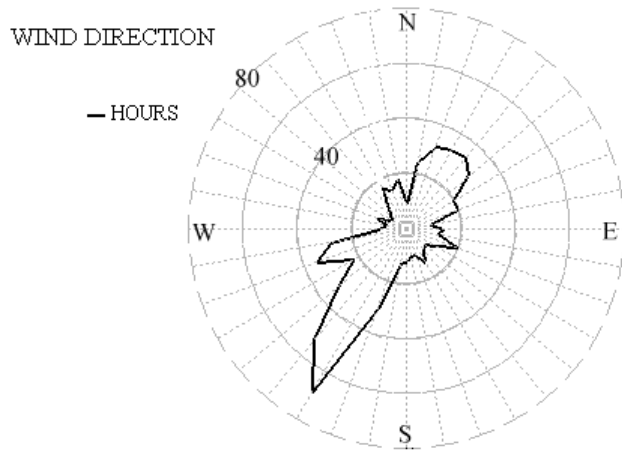
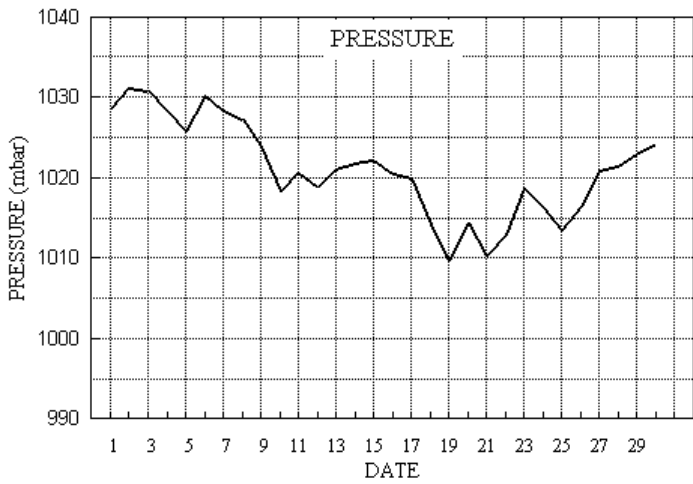
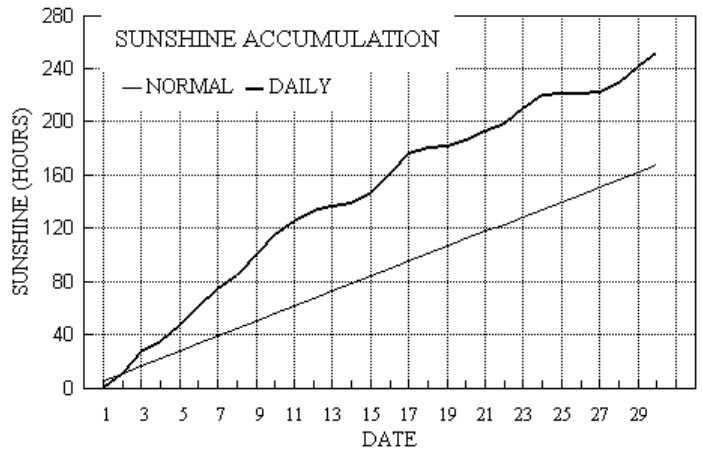
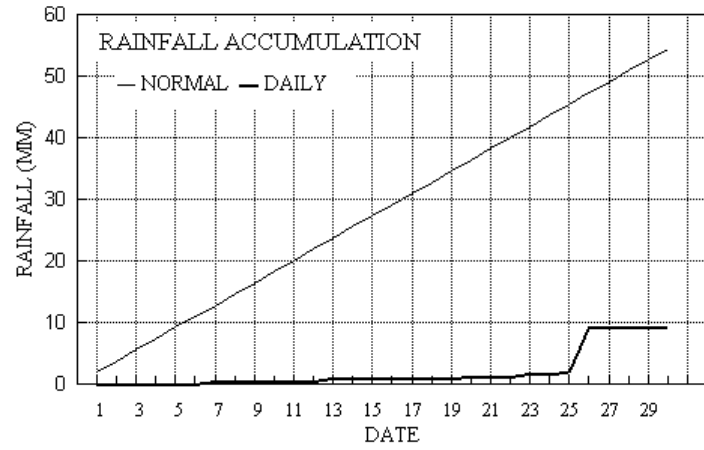
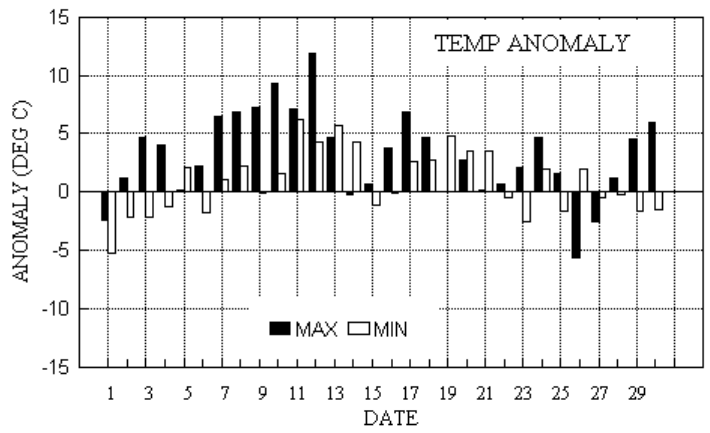
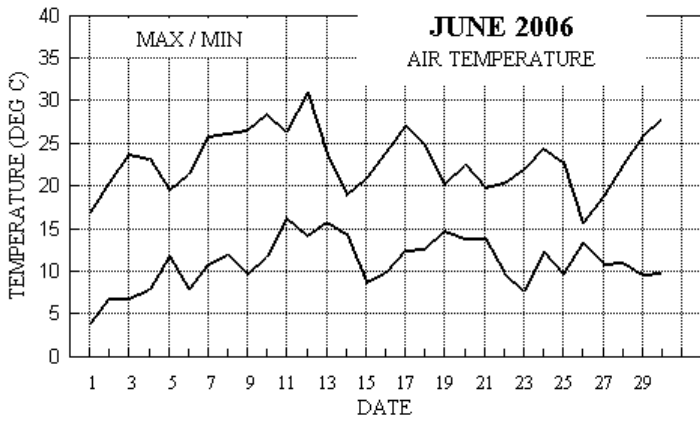
Anomaly = departure from 1971 to 2000 average (degrees C, percent and mbar).

Notes: **Very Warm,** **Very Dry,** **Sunny.**

Temperature. In terms of the mean temperature, this is the mildest June only since 2003, and it is 1.4° below the record set in 1976. However, the mean maximum is highest since 1976, and before that 1940, those being the only 2 years in the past 125 to exceed this year's. The mean minimum by comparison is well down the list at 15th highest, with higher values in all the years this century except 2002. The highest max is 4.0° above the median and 3.6° below the record set in 1976. The lowest min is 0.8° below the median. The lowest max is 1.0° above, and the highest min, 1.5° above their respective medians. The mean daily temperature range, 12.1°, is highest since 1996. A slight ground frost was recorded on the 1st, the 10th June out of the last 27 to have one. **Rainfall.** An exceptionally dry June overall, with only 9.3 mm falling, of which 7.5 mm fell on just one day. The number of dry days is 5 more than average, and most since 1996. The dry weather was punctuated by several days with a fall of less than 0.5 mm, so there were 3 shortish dry spells, one of 8 days ending on the 6th, of 5 days ending on the 12th and of 6 days ending on the 19th. Thunder occurred on the 7th. **Sunshine.** A sunny June, sunniest since 1996. The period 2nd to the 10th was outstanding, giving a total of 116.2 hours, a mean of 12.9 hours per day, over twice the normal at this time of year. There were 11 days with >66% of possible sun, of which 7 were in that period, and there were 8 days with <33% of possible. Overall there were 6 days with <3 hours, 20 with =>6 hours, 15 with =>9 hours, 9 with =>12 hours and 3 with =>15 hours. **Wind.** The mean speed this June was 5.0 mph, 1.3 mph below average and lowest since before 1988. The 21st was the windiest day, mean 10.8 mph, but the month's highest gust of 35 mph was on the 20th. The 25th was the least windy day, mean 2.3 mph, and there were 1208 minutes (20.13 hours) with a mean speed of 0.5 mph or less. Daily mean direction/number of days: N,1 NE,5 E,3 SE,3 S,2 SW,9 W,3 NW,4. **Humidity.** The overall mean relative humidity was 65.8 %, and the lowest value reached was 23 % on the 4th. The mean water vapour content per kg of air was 8.5 g at 0900 GMT and 7.7 g at 1500 GMT. **Pressure.** Both the monthly mean and absolute lowest pressure are highest for June since 1996. **Commentary. From the 1st to the 10th :** Mean anomalies (max, min, rain, sun), +4.0°, -0.6°, 2%, 207 %. Although the hottest days of the month were not in this period, a hot spell commenced on the 7th, with anomalies for daily max reaching +9.3° on the 10th, after starting the month at -2.4° on the 1st. Anomalies for min were -5.3° on the 1st, the month's coldest night, to +2.2° on the 8th. There were 9 dry days broken by just 0.4 mm on the 7th. Extremely sunny with the sole exception of the 1st, and a 10 day mean of 11.6 hours per day, and 15.5 hours on both the 3rd and 9th, joint sunniest days. Light or moderate winds started NW'ly, becoming NE'ly on 5th and 6th, backing W'ly on 7th and E'ly by 9th. **From the 11th to the 20th :** Anomalies +4.2°, +3.3°, 4 %, 127 %. Anomalies for daily max ranged from +11.8° on the 12th, the month's hottest day, to -0.3° on the 14th. Anomalies for min ranged from +6.2° on the 11th, the month's hottest night, to -1.1° on the 15th. Rainfall was again meagre, 8 dry days and a total of 0.8 mm. Not quite as sunny, but still above normal, and daily values over 14 hours on both the 16th and 17th. Mostly light winds were SW'ly on 11th, veering NE'ly by 14th, backing SW'ly again by 17th and increasing fresh on 20th. **From the 21st to the 30th :** Anomalies +1.3°, -0.1°, 45 %, 116 %. Anomalies for daily max ranged from +6.0° on the 30th to -5.6° on the 26th, the month's coolest day. For min, daily anomalies ranged from -2.6° on the 23rd to +3.5° on the 21st. There were 7 dry days, but 7.5 mm on the 26th, the month's wettest and sole wet day. Sunshine was closer to normal, but over 12 hours on the 29th. Fresh SW'ly winds on 21st dropped light on 23rd, became NE'ly on 26th, gradually veering to S'ly by the 30th.

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

Wokingham Climatological Graphs



Month: JUNE 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	16.8	3.8	tr	-0.4	14.2	13.2	0.2	0.0	1028.6	0 1 0 0	0 0 0 0	0 0 0 0	304	2.5 3.5	330 18 0923	320 8 09	0.0
2	20.4	6.9	0.0	3.5	14.2	13.2	11.9	0.0	1031.2	0 0 0 0	0 0 0 0	0 0 0 0	318	1.9 3.1	20 11 0719	200 5 21	0.0
3	23.8	6.9	0.0	2.9	14.9	13.2	15.5	0.0	1030.8	0 0 0 0	0 0 0 0	0 0 0 0	335	2.9 3.7	350 15 1607	340 7 16	0.0
4	23.2	7.8	tr	4.6	15.6	13.3	8.5	0.0	1028.1	0 0 0 0	0 0 0 0	0 0 0 0	292	1.8 2.7	300 12 1218	280 5 11	0.0
5	19.5	11.8	0.0	8.8	16.1	13.4	12.1	0.0	1025.7	0 0 0 0	0 0 0 0	0 0 0 0	25	4.8 5.2	50 16 1255	40 8 10	0.0
6	21.5	7.9	0.0	3.4	16.2	13.5	13.9	0.0	1030.2	0 0 0 0	0 0 0 0	0 0 0 0	70	1.5 3.4	60 16 1406	190 7 21	0.0
7	25.8	10.8	0.4	8.3	16.5	13.7	13.5	0.0	1028.4	0 0 0 0	1 0 0 0	0 0 0 0	268	1.4 3.6	30 16 1812	350 5 16	0.2
8	26.2	11.9	0.0	9.2	17.1	13.9	10.0	0.0	1027.2	0 0 0 0	0 0 0 0	0 0 0 0	189	2.0 2.7	210 12 1746	220 6 17	0.0
9	26.5	9.6	0.0	6.2	17.5	14.0	15.5	0.0	1023.8	0 0 0 0	0 0 0 0	0 0 0 0	95	4.6 5.0	130 22 1146	110 9 13	0.0
10	28.5	11.7	0.0	7.1	17.7	14.2	15.3	0.0	1018.3	0 0 0 0	0 0 0 0	0 0 0 0	113	4.8 5.5	160 21 1443	120 10 11	0.0
11	26.3	16.3	0.0	13.3	18.3	14.5	9.5	0.0	1020.8	0 0 0 0	0 0 0 0	0 0 0 0	213	3.5 4.1	220 14 1113	220 8 11	0.0
12	31.0	14.3	tr	11.9	18.6	14.7	8.5	0.0	1018.8	0 0 0 0	0 0 0 0	0 0 0 0	205	3.3 4.2	220 17 1633	210 9 14	0.0
13	23.8	15.8	0.4	12.6	19.0	14.9	3.3	0.0	1021.1	0 0 0 0	0 0 0 0	0 0 0 0	342	2.9 3.8	280 22 1347	300 8 14	0.3
14	18.9	14.4	0.0	14.0	18.9	15.1	1.5	0.0	1021.8	0 0 0 0	0 0 0 0	0 0 0 0	34	5.6 5.8	40 18 1853	30 8 19	0.0
15	20.9	8.8	0.0	4.8	18.0	15.2	8.8	0.0	1022.2	0 0 0 0	0 0 0 0	0 0 0 0	25	3.0 3.9	50 14 0957	40 7 10	0.0
16	23.9	9.8	0.0	5.8	17.8	15.4	14.1	0.0	1020.5	0 0 0 0	0 0 0 0	0 0 0 0	295	1.8 3.4	330 12 1347	300 5 11	0.0
17	27.1	12.5	0.0	9.4	18.3	15.4	14.5	0.0	1019.9	0 0 0 0	0 0 0 0	0 0 0 0	235	2.6 3.3	210 14 1841	220 8 18	0.0
18	24.8	12.6	0.0	8.5	18.7	15.5	4.6	0.0	1014.2	0 0 0 0	0 0 0 0	0 0 0 0	217	4.4 4.5	210 16 1558	210 7 15	0.0
19	20.2	14.7	tr	12.7	18.6	15.6	0.8	0.0	1009.7	0 0 0 0	0 0 0 0	0 0 0 0	219	6.8 7.0	210 21 1346	220 10 13	0.1
20	22.5	13.8	0.4	10.7	18.2	15.7	5.5	0.0	1014.3	0 0 0 0	0 0 0 0	0 0 0 0	224	8.3 8.5	220 30 1921	220 13 19	0.8
21	19.9	13.8	0.0	12.9	18.1	15.8	6.5	0.0	1010.3	0 0 0 0	0 0 0 0	0 0 0 0	246	9.2 9.4	250 26 1516	250 13 16	0.0
22	20.4	9.8	0.0	6.5	17.7	15.8	5.6	0.0	1012.8	0 0 0 0	0 0 0 0	0 0 0 0	251	7.8 8.1	260 26 1114	260 13 10	0.0
23	21.9	7.7	0.3	3.2	17.5	15.8	11.5	0.0	1018.6	0 0 0 0	0 0 0 0	0 0 0 0	228	3.1 3.4	210 12 1910	210 7 19	1.0
24	24.5	12.3	0.0	9.0	17.8	15.8	9.3	0.0	1016.3	0 0 0 0	0 0 0 0	0 0 0 0	215	2.2 3.0	210 12 1345	240 5 15	0.0
25	22.8	9.6	0.3	5.8	18.0	15.9	1.4	0.0	1013.4	0 0 0 0	0 0 0 0	0 0 0 0	77	0.8 2.0	100 9 1743	90 3 17	1.5
26	15.7	13.3	7.5	12.7	17.8	15.9	0.4	0.0	1016.5	0 0 0 0	0 0 0 0	0 0 0 0	26	3.6 3.7	30 13 0759	30 6 08	6.3
27	18.8	10.8	0.0	8.4	17.3	16.0	1.2	0.0	1020.9	0 0 0 0	0 0 0 0	0 0 0 0	56	2.4 2.6	60 11 0946	70 5 08	0.0
28	22.5	11.1	0.0	7.1	17.4	15.9	6.8	0.0	1021.4	0 0 0 0	0 0 0 0	0 0 0 0	125	2.6 3.3	170 12 1059	80 5 08	0.0
29	25.8	9.7	0.0	5.7	17.7	15.9	12.1	0.0	1022.9	0 0 0 0	0 0 0 0	0 0 0 0	156	1.9 3.4	210 12 1728	210 7 17	0.0
30	27.9	9.8	0.0	6.2	18.0	16.0	10.4	0.0	1024.3	0 0 0 0	0 0 0 0	0 0 0 0	177	2.3 3.4	200 13 1215	210 7 15	0.0
Total			9.3				252.7	0.0									10.2
Mean	23.1	11.0		7.8	17.4	14.9	8.42	0.0	1021.1					236	1.0 4.3		
Anom	+3.3	+0.9	17%		+1.1	+0.8	150%			+4.1							
Daily mean		17.0															
Anom		+2.0															

Number of days with:

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

Date	VV	N	dd	ff	gg	TT	TdTd	RH	r	PPP	a	ppp	ww	W1	W2	Nh	Cl	h	Cr	Cl	NChs	hshs	NChs	hshs	Date	Remarks
1	82	7	31	06	13	12.7	7.1	69	6.2	1028.6	1	004	60	6	2	1	8	5	7	/	81825	86357	87362	1	1Sc45 Cu fra	
2	75	1	33	04	09	16.1	9.8	66	7.4	1031.2	1	006	03	0	0	1	1	5	0	0	81825			2	Cu hum	
3	84	3	35	04	09	18.8	7.2	47	6.2	1030.8	4	000	02	0	0	0	0	9	0	1	83080			3	COTRA	
4	82	7	26	04	10	17.7	10.2	62	7.7	1028.1	8	003	03	2	2	0	0	9	0	8	85275	86080		4	COTRA Halo 22	
5	70	4	03	08	15	17.2	10.9	67	8.0	1025.7	2	010	02	1	1	2	5	6	0	1	82635	83080		5	COTRA	
6	75	2	04	03	07	15.4	9.0	66	7.0	1030.2	1	006	01	1	1	1	1	5	0	1	81828			6	2Ci80 COTRA Cu fra/hum	
7	70	3	27	03	07	19.4	13.1	67	9.3	1028.4	0	000	02	1	1	0	0	9	0	2	83075			7	Ci flo	
8	59	3	20	04	08	21.3	14.5	65	10.2	1027.2	2	006	05	0	0	0	0	9	0	1	83080			8	COTRA	
9	61	2	11	06	13	22.6	12.3	52	8.8	1023.8	8	004	02	0	0	0	0	9	0	1	82080			9	COTRA	
10	82	1	10	07	14	24.0	12.6	49	9.1	1018.3	3	001	02	0	0	0	0	9	0	2	81075			10	1Ci80 COTRA	
11	78	6	24	06	11	22.5	15.0	63	10.6	1020.8	1	011	02	2	2	1	0	9	3	1	81368	86075		11	1Ci72 cas COTRA U/a cont	
12	77	5	18	03	08	24.8	18.0	66	12.9	1018.8	7	003	01	2	2	2	0	9	8	1	81362	84077		12	2Ac65 COTRA 1Ac cas	
13	81	7	03	05	10	20.4	14.8	70	10.5	1021.1	8	005	03	6	2	6	5	4	/	1	86618	87075		13	COTRA	
14	84	8	05	06	13	15.9	12.9	82	9.2	1021.8	0	000	03	2	2	8	8	4	/	/	86815	88620		14	Cu hum	
15	82	2	03	06	10	15.7	10.0	69	7.6	1022.2	8	001	01	1	1	1	1	5	3	2	81824			15	1Ac65 2Ci75 Cu fra	
16	63	1	32	03	10	19.0	12.8	67	9.2	1020.5	0	000	02	0	0	0	0	9	0	1	81080			16	COTRA	
17	63	2	25	02	05	22.1	13.5	58	9.6	1019.9	0	005	02	0	0	2	0	9	3	0	82365			17		
18	62	6	21	04	09	20.6	12.5	60	9.0	1014.2	6	002	02	2	2	2	0	9	3	8	82367	86078		18	2Cs74 COTRA Halo 22 part U/a cont	
19	88	6	24	09	18	19.2	13.1	68	9.4	1009.7	2	007	03	2	2	6	8	5	0	0	84825	85640		19	Cu med ra	
20	83	4	22	04	09	19.1	13.6	68	9.4	1014.3	0	001	03	1	1	3	2	5	0	1	83825	83080		20	COTRA Cu med	
21	84	2	26	08	20	16.8	8.0	56	6.7	1010.3	0	008	01	1	1	2	4	6	0	1	81835			21	2Sc38 1Ci75 Cu hum	
22	86	3	25	09	19	16.6	6.7	52	6.1	1012.8	1	010	03	1	1	2	8	6	4	0	82835			22	1Sc50 1Ac64 Cu med	
23	82	4	23	03	06	17.1	9.1	59	7.1	1018.6	1	006	03	0	0	3	8	6	0	1	83835			23	1Sc45 2Ci78 Cu hum	
24	65	7	07	02	06	16.9	11.6	71	8.5	1016.3	4	000	02	2	2	1	1	5	8	/	81820	87362		24	1Ac58 cas Cu hum	
25	77	7	36	02	05	17.5	11.3	67	8.3	1013.4	2	003	03	1	1	6	0	9	7	8	82357	85362	87275	25		
26	70	8	03	07	12	14.0	11.4	84	8.4	1016.5	2	009	60	6	2	2	1	4	7	/	82815	86357	88462	26	Cu fra/hum	
27	81	7	07	05	09	15.6	11.1	75	8.2	1020.9	2	006	03	2	2	2	1	5	3	/	82820	87358		27	Cu hum	
28	84	6	09	05	10	17.3	10.4	64	7.8	1021.4	3	001	02	2	2	3	8	6	3	0	81830	83650		28	4Ac57 Cu hum	
29	61	2	11	03	08	19.9	13.3	66	9.5	1022.9	2	003	02	0	0	2	0	8	8	0	82357			29	Ac flo	
30	84	6	13	02	08	21.8	11.5	52	8.4	1024.3	2	007	01	2	2	0	0	9	0	1	81075	86080		30	COTRA	

Mean vis = 32.4 km
 Mean cloud = 4.4 55%
 Mean wind speed = 4.8 kn
 Mean gust = 10 kn
 Mean TT = 18.6 C
 Mean TdTd = 11.6 C
 Mean RH = 64.2 %
 Mean r = 8.5 g/kg
 Mean PPP = 1021.1 mbar

VV = Visibility code (Code FM12-4377)
 N = Total cloud amount, oktas
 dd = Direction from which wind is blowing, tens of degrees true
 ff = 10 minute mean wind speed, knots
 gg = Highest gust in past hour, knots
 TT = Air temperature at 1.2 m, deg Celsius
 TdTd = Dew point temperature at 1.2 m, deg Celsius
 RH = Relative humidity at 1.2 m
 r = Humidity mixing ratio at 1.2 m, g/kg
 PPP = Air pressure reduced to sea level, mbar
 a = Characteristic of pressure tendency (Code FM12-0200)
 ppp = 3 hr pressure tendency, tenths of mbar
 ww = Present weather code (Code FM12-4677)
 W1, W2 = Past weather code (Code FM12-4561)-
 covers past 3 hours.
 Nh = Amount of low cloud present, oktas
 Cl = Type of low cloud (Code Fm12-0513)
 h = Height of low cloud (Code FM12-1600)
 Cm = Type of medium cloud (Code FM12-0515)
 Ch = Type of high cloud (Code FM12-0509)
 8 groups. 8 = indicator for cloud detail
 N = Amount of cloud, oktas
 C = Type of cloud (FM12-0500)
 hshs= Height of cloud (FM12-1677)
 Remarks : COTRA = persistent condensation
 trails present.

Weather observations. Emmbrook, Wokingham, Berkshire.

Observations at 1500 GMT for JUNE 2006

Date	VV	N	dd	ff	gg	TT	TdTd	RH	r	PPP	a	pppww	W1W2	NhCl	hCrCl	NChshs	NChshs	NChshs	Date	Remarks						
1	75	7	31	04	11	15.9	9.6	66	7.3	1028.0	7	006	02	2	2	7	8	6	7	82830	87640	1	/Ac59 Cu hum	Absent vv&cld est		
2	77	4	34	04	11	19.2	8.3	49	6.7	1030.4	7	011	02	1	1	3	4	6	3	81845	83648	2	2Ac64 Cu hum			
3	84	2	32	07	13	23.4	4.9	30	5.3	1028.7	8	009	03	0	0	0	0	9	0	1	82080		3	COTRA		
4	88	5	34	04	09	21.9	7.0	38	6.2	1025.6	7	011	03	2	2	2	0	9	8	3	81358	85075	4	2As62 1Ac65 Cb tops NW&NE		
5	73	6	03	06	13	19.0	8.5	50	6.8	1026.5	1	002	02	2	2	3	8	6	0	1	83840	85080	5	1Sc50 COTRA Cu med		
6	80	5	03	04	16	20.8	7.0	41	6.1	1029.1	6	006	02	1	1	3	8	7	0	1	82850	83078	6	2Sc56 COTRA Cu hum/med		
7	75	2	36	02	10	25.2	11.3	42	8.3	1026.1	7	013	03	0	0	2	2	7	0	0	82850		7	Cu conE		
8	70	5	22	05	09	25.1	11.9	44	8.6	1025.3	7	012	02	1	1	3	2	7	6	0	83850	83359	8	1Ac62 Cu con		
9	81	1	10	08	18	26.3	7.2	30	6.3	1020.8	7	012	02	0	0	0	0	9	0	1	81080		9			
10	84	1	15	08	18	28.2	9.5	31	7.3	1016.9	7	007	02	0	0	0	0	9	0	2	81078		10			
11	84	7	21	07	13	25.1	14.2	51	10.1	1021.3	5	000	03	2	2	1	1	6	8	8	81845	87275	11	1Ac65 cas Cu medW 22° halo part L/a cont		
12	80	4	22	09	16	30.3	13.6	36	9.7	1018.1	7	001	02	1	1	1	2	8	3	2	81857	84075	12	1Ac68 COTRA Cu con W		
13	65	7	34	05	21	19.1	17.1	88	12.2	1020.7	8	001	60	6	2	2	9	5	7	/	81825	83358	87365	13	2Cb56 Cu fra CbE	
14	68	7	06	05	11	18.0	12.1	68	8.7	1021.8	4	000	02	2	2	7	8	5	/	/	82822	87630	14	/Sc50 Cu hum		
15	82	3	36	05	11	20.2	7.4	44	6.4	1021.2	8	002	02	1	1	2	8	6	3	1	82848		15	1Sc50 1Ac60 1Ci75 Cu hum		
16	80	7	29	04	10	22.9	8.3	39	6.8	1019.2	7	005	03	1	1	1	1	7	0	1	81850	87078	16	Cu hum COTRA U/a cont		
17	75	1	24	04	11	26.8	12.7	42	9.1	1017.8	7	010	02	0	0	1	4	7	0	0	81850		17	1Sc50 Cu hum		
18	70	8	21	07	13	23.8	13.0	51	9.4	1011.0	8	020	03	2	2	8	0	9	7	/	81365	88468	18	As un mam		
19	86	8	22	10	19	18.5	12.0	66	8.8	1011.3	2	007	02	2	2	8	8	6	/	/	82830	88645	19	Cu hum		
20	86	5	22	13	23	20.8	9.0	47	7.2	1012.5	7	009	02	1	1	3	4	6	0	1	81845	83648	20	3Ci75 Cu hum		
21	80	4	25	12	27	19.3	7.1	45	6.3	1009.5	8	009	02	1	1	4	8	6	0	1	83848		21	2Sc50 1Ci78 COTRA Cu hum		
22	84	4	26	11	22	19.2	5.7	41	5.7	1014.0	3	007	02	1	1	4	4	7	0	1	81850	84656	22	2Ci80 COTRA Cu hum		
23	82	7	24	03	10	20.7	6.0	38	5.8	1017.8	6	006	03	1	1	1	4	7	3	6	81856	87078	23	1Sc56 1Ac68 2Cs75 COTRA Cu hum U/a cont		
24	86	1	21	04	11	23.6	3.7	27	4.9	1014.2	6	009	02	0	0	1	0	9	4	2	81362		24	1Ci75 COTRA		
25	73	8	12	01	03	21.4	13.3	60	9.5	1012.5	7	005	15	2	2	5	8	6	7	/	83835	83650	88358	25	Cu med jpS	
26	59	8	03	04	09	13.7	13.0	95	9.3	1018.4	1	008	63	6	6	2	8	4	2	/	81815	88558	26	2Sc50		
27	75	7	05	03	04	18.0	10.4	61	7.8	1021.0	7	001	02	2	2	7	8	6	/	/	83830	87640	27	Absent vv&cld est		
28	81	4	16	03	10	21.1	9.6	48	7.4	1020.5	7	006	02	1	1	4	8	7	0	0	83850		28	2Sc56 Cu med		
29	72	4	20	02	12	24.8	11.7	44	8.5	1021.6	6	005	02	1	1	2	2	7	6	0	82850	83357	29	Cu med		
30	83	5	17	05	11	27.4	9.8	33	7.4	1023.3	5	003	02	2	2	1	1	7	4	1	81856	85080	30	1Ac58 COTRA Cu hum		

Mean vis = 34.7 km
 Mean cloud = 4.9 61%
 Mean wind speed = 5.6 kn
 Mean gust = 13 kn
 Mean TT = 22.0 C
 Mean TdTd = 9.8 C
 Mean RH = 48.2 %
 Mean r = 7.7 g/kg
 Mean PPP = 1020.2 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
 JUNE 2006

Date	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	0-20	20-40	40-60	60-80	80-90	90-95	95-98
01	11.9	16.8	17:28	5.7	03:45	76.0	92.6	23:29	59.2	13:54		0	0	8	871	453	108	0	0
02	14.9	20.4	14:20	8.2	04:21	70.6	94.4	04:47	42.4	15:56		0	0	555	299	234	352	0	0
03	17.1	23.8	15:19	8.9	04:35	57.3	90.5	02:03	27.6	15:23		0	507	308	217	381	27	0	0
04	17.0	23.2	13:17	9.4	04:48	61.8	94.0	04:43	22.9	13:14		0	372	280	363	240	185	0	0
05	15.9	19.5	15:21	10.5	23:05	65.8	86.9	23:51	42.2	15:20		0	0	625	553	262	0	0	0
06	15.7	21.5	15:29	8.8	04:09	65.8	91.0	04:48	36.8	15:23		0	65	604	227	461	83	0	0
07	18.6	25.8	14:31	11.1	04:34	68.6	90.5	20:57	38.0	14:23		0	33	502	253	613	39	0	0
08	19.7	26.2	12:01	13.0	04:04	66.7	94.6	04:03	41.3	17:04		0	0	677	350	76	337	0	0
09	20.2	26.5	14:50	11.4	03:48	56.0	89.3	03:56	28.0	15:29		0	519	337	203	381	0	0	0
10	22.2	28.5	14:39	12.9	03:40	52.8	87.0	03:57	24.7	12:04		0	528	416	249	247	0	0	0
11	21.9	26.3	13:13	16.9	23:59	63.9	85.4	23:58	45.1	11:28		0	0	631	729	80	0	0	0
12	23.3	31.0	12:52	15.6	03:02	63.6	89.8	03:50	32.8	14:37		0	209	379	562	290	0	0	0
13	18.5	23.8	12:53	15.4	23:58	76.0	89.7	23:58	53.9	11:26	55	0	0	119	667	599	0	0	0
14	15.7	18.9	17:22	10.9	23:21	77.6	95.4	03:47	60.1	18:51		0	0	0	988	242	156	54	0
15	15.7	20.9	15:21	9.6	04:01	66.3	91.9	04:30	36.8	15:24		0	22	630	223	372	193	0	0
16	18.3	23.9	14:21	10.7	04:02	63.1	93.1	04:08	34.7	15:21		0	175	528	309	262	166	0	0
17	21.0	27.1	13:37	14.1	02:02	60.0	87.3	04:43	39.4	17:34		0	7	781	338	314	0	0	0
18	19.4	24.8	12:47	13.9	04:00	61.4	78.7	04:59	43.7	12:08		0	0	610	830	0	0	0	0
19	17.3	20.2	09:23	14.9	04:35	72.2	88.8	22:42	58.2	10:05		0	0	47	1065	328	0	0	0
20	17.2	22.5	11:37	13.8	03:45	69.0	91.1	03:58	42.9	13:20		0	0	515	423	448	54	0	0
21	15.7	19.9	15:03	11.5	23:59	66.2	89.6	03:42	42.7	14:44		0	0	698	330	116	296	0	0
22	15.3	20.4	13:30	9.7	04:01	61.8	89.4	04:02	35.1	14:16		0	140	572	450	278	0	0	0
23	16.0	21.9	14:11	8.7	03:57	62.0	93.6	04:35	33.2	14:13		0	264	432	338	205	201	0	0
24	18.3	24.5	15:15	12.8	04:23	55.6	92.7	05:06	23.1	13:34		0	504	362	238	196	140	0	0
25	17.3	22.8	12:28	10.7	03:49	66.3	81.3	04:54	51.2	12:15		0	0	415	979	46	0	0	0
26	13.8	15.7	00:08	11.5	23:59	88.9	95.8	23:57	74.1	00:50	30	0	0	0	134	495	706	75	0
27	15.1	18.8	15:56	10.9	03:23	77.1	97.7	04:58	55.4	16:04		0	0	169	644	164	60	403	0
28	17.7	22.5	13:08	12.7	03:32	64.1	93.2	03:49	40.4	11:18		0	0	714	402	173	151	0	0
29	19.0	25.8	16:33	10.8	03:52	61.4	92.2	04:23	37.0	16:52		0	67	682	378	158	155	0	0
30	20.3	27.9	14:39	11.0	04:03	57.0	92.1	04:09	32.4	15:10		0	568	274	265	197	136	0	0
Mean	17.7	23.1		11.5		65.8	90.8		41.2			0.00	2.21	7.15	7.71	4.62	1.97	0.30	0.00
Hi	23.3	31.0		16.9		88.9	97.7		74.1	Tot	85	0	3980	12870	13877	8311	3545	532	0
Lo	11.9	15.7		5.7		52.8	78.7		22.9										

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.