

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

SEPTEMBER 2006

Temperature (°C / °F)			Anomaly	Rank in the past 125 years			
Mean maximum	22.6	72.7	+3.7	3 rd highest			
Mean minimum	13.4	56.1	+3.7	*highest*			
Daily mean	18.0	64.4	+3.7	*highest*			
Highest maximum	29.6	85.3	on 11 th	Lowest maximum	17.8	64.0	on 22 nd
Highest minimum	18.0	64.4	on 5 th	Lowest minimum	4.9	40.8	on 8 th
Mean grass minimum	10.0	50.0		Lowest grass minimum	0.7	33.3	on 8 th
Mean earth @30 cm	17.8	64.0	+1.7	Earth @100 cm	17.3	63.1	+0.8
Frost duration (hrs)	0.0			Rain duration (hrs)	29.3		
Rainfall total (mm / in)	53.1	2.09	85 %	51 st highest			
Highest daily fall	15.8	0.62	on 22 nd				
Number of: Dry days (<0.2mm)	17	Wet days (>0.9mm)	11	days ≥5mm	3		
Sunshine total (hrs)	155.6	Daily mean	5.19	118 %	Sunniest day	12.6	on 8 th
N° days with: Air frost	0	Ground frost	0	Snow falling	0	Snow lying	0
Thunder	4	Hail ≥5mm	0	Small hail/ice	0	Fog @09	0
Air pressure MSL : Mean @09 GMT (mbar/in)	1013.5		-3.0	29.93			
Absolute highest	1031.6			30.46		on 8 th	
Absolute lowest	999.7			29.52		on 21 st	

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

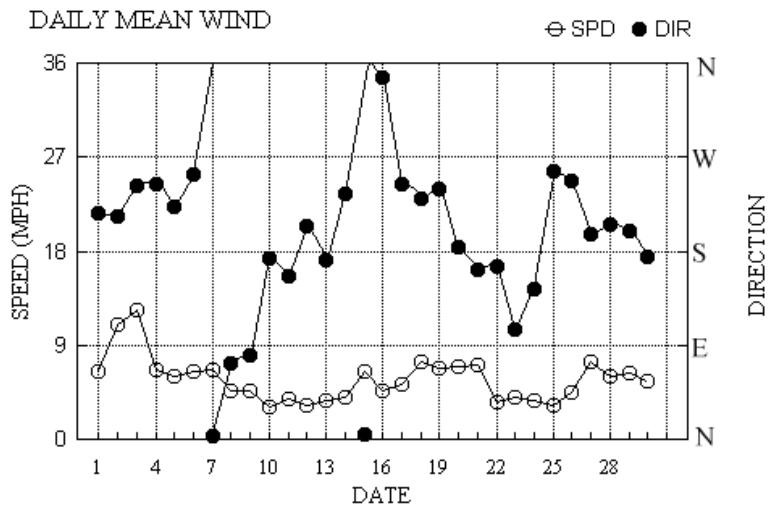
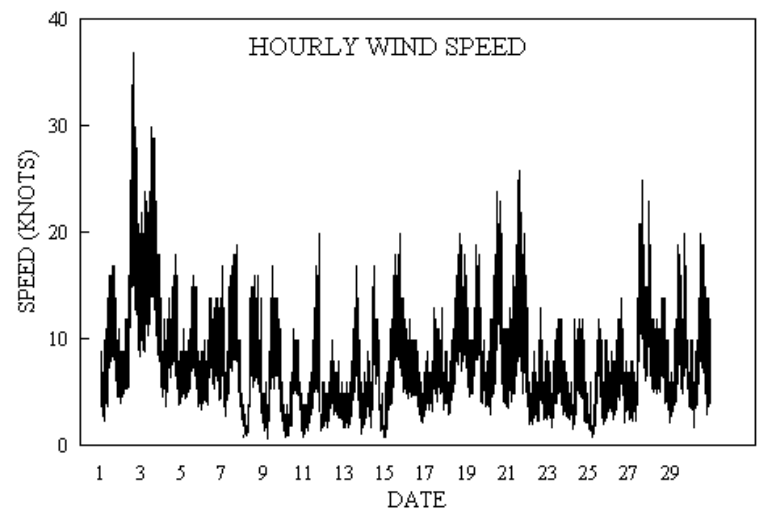
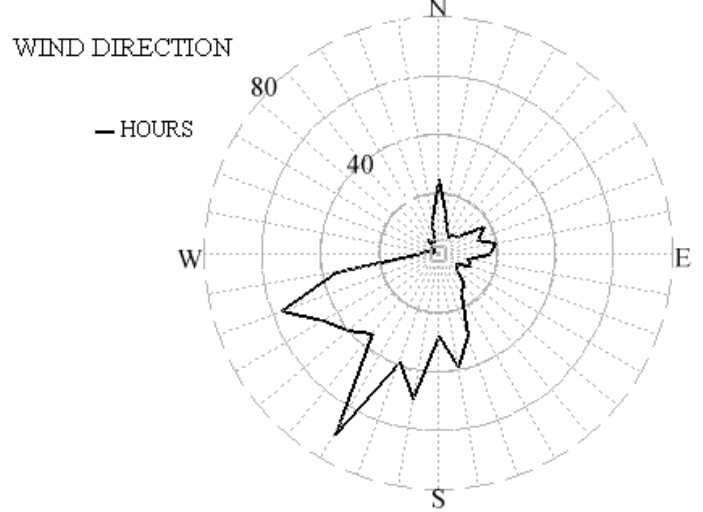
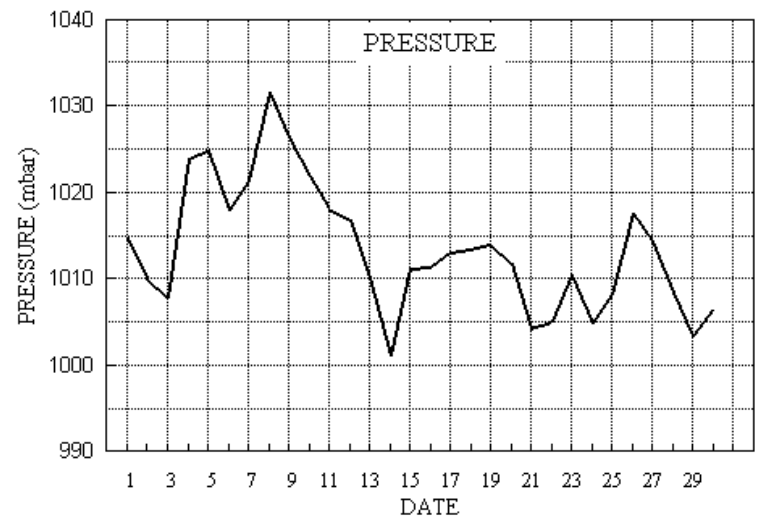
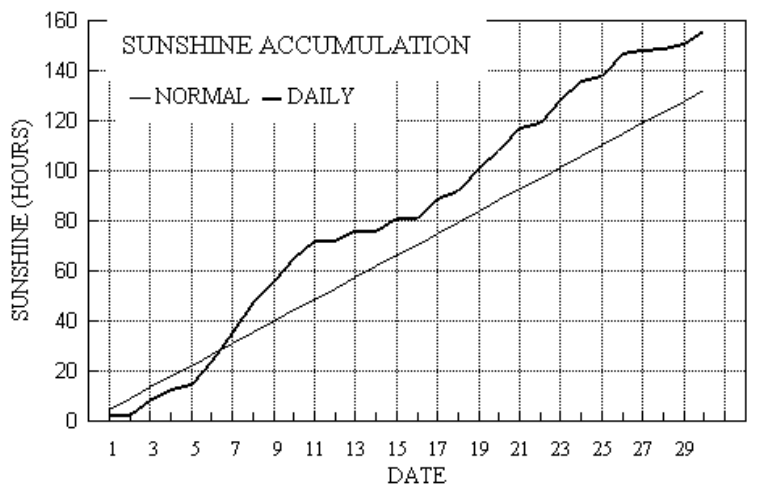
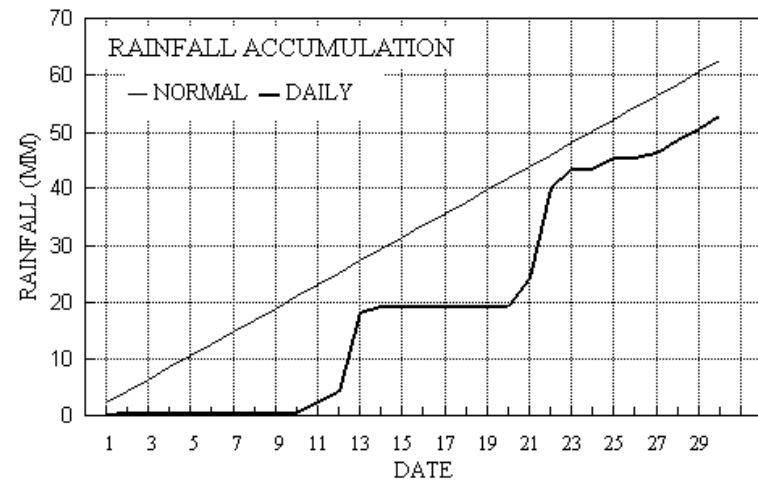
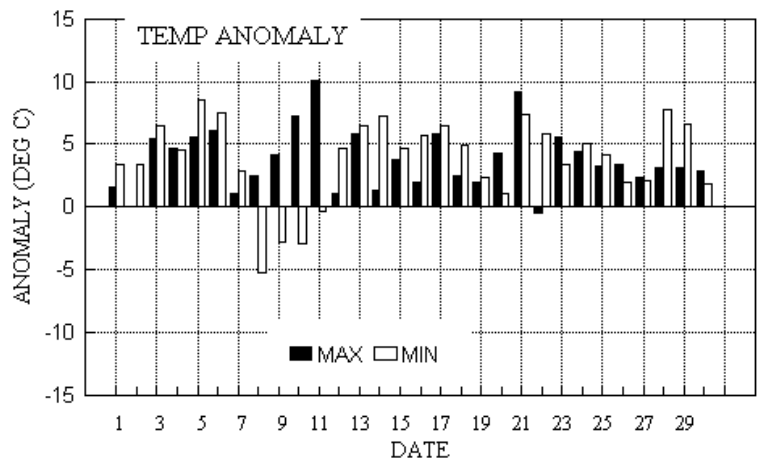
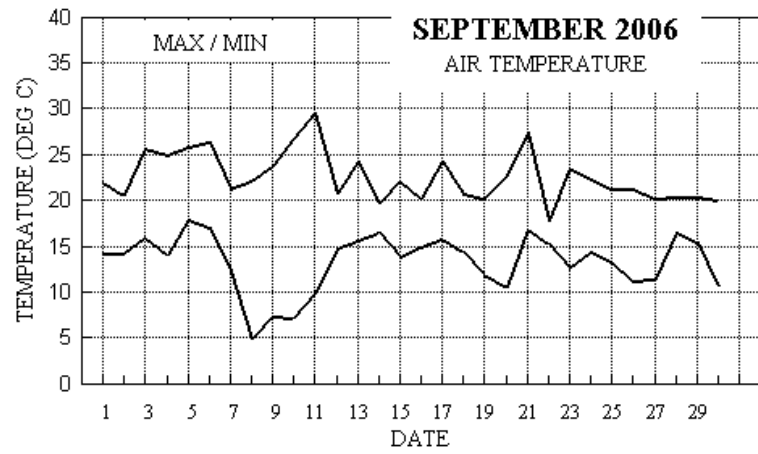
Notes: **Very Warm, with a new record for mean temperature.** **Rainfall Below Normal.** **Sunshine Above Normal.**

Temperature. Yet another record breaking month, with the highest mean temperature since before 1882, and 1.0° above the previous highest as long ago as 1929. The mean min is also highest on record, and is 1.5° above the previous highest in 1998. The mean max, however, is only 3rd highest after 1929 and 1895, and is 1.1° below the record set in 1929. The highest max, 29.6°, has not been exceeded since 1949, but is well below the record 33.9° in 1906. The lowest min is 2.3° above the median, but 2.1° below the record. The lowest max is 3.9° above the median, and is 3rd highest in 94 years and highest since 1959, while the highest min is 2.8° above the median and 2nd highest after 1949 in 94 years. The mean grass min is a new highest in the past 27 years. The mean earth temp at 30 cm is also a new record for the past 27 years, 0.2° above the previous highest in 1999. At 1 metre depth, the lowest value, 17.0°, is a new high. **Rainfall.** Just a little below average, but highest since 2001. The month's highest daily total is most since 2002 and is close to the median value. The number of dry days is 1 fewer than average and there were 2 dry spells, one of 8 days ending on the 10th and of 6 days on the 20th. Thunder was more frequent than the normal 2 days, and was heard on the 11th, 13th, 25th and 30th. **Sunshine.** A little above average, but highest only since 2004, and the total has been exceeded in 4 out of the past 5 years. Overall there were 11 days with <3 hours, 14 with =>6 hours, 5 with =>9 hours and 1 with =>12 hours. **Wind.** The mean wind speed of 5.8 mph is exactly average. The 3rd was the windiest day, 12.3 mph, but the month's highest gust of 43 mph was on the 2nd. The least windy day was the 10th, mean 3.1 mph, and there were 676 minutes (11.3 hours) with a mean speed of 0.5 mph or less. Daily mean direction/number of days: N,3 NE,0 E,3 SE,2 S,8 SW,11 W,3 NW,0.

Humidity. The overall mean relative humidity was 78.2 % and the lowest value was 31 % on the 10th. The mean water vapour content per kg of air was 10.4 g at 0900 and 9.1 g at 1500 GMT. **Commentary.** **From the 1st to the 10th :** 10 day mean anomalies (max, min, rain, sun) +3.8°, +2.5°, 2 %, 148 %. Daily max were exclusively above normal, with anomalies between +0.1° on the 2nd and +7.2° on the 10th. Daily min were more variable, with anomalies ranging from -5.3° on the 8th, the month's coldest night, to +8.5 ° on the 5th, the month's mildest night. Rainfall was sparse, just 0.5 mm and 9 dry days. It was sunny from the 6th onwards and the month's sunniest day was the 8th. Moderate SW'ly winds on the 1st increased strong on 2nd, dropped light by the 5th, became moderate N'ly on 7th, dropping light and veering S'ly by 10th. **From the 11th to the 20th :** Mean anomalies +3.8°, +4.3°, 90 %, 98 %. Once again daily maxima were exclusively above normal, with daily anomalies ranging from +10.0° on the 11th, the month's hottest day, to +1.1° on the 12th. For min, anomalies ranged from -0.4° on the 11th to +7.2° on the 14th. A wet spell ensued from the 11th to the 14th, giving 18.8 mm, followed by 6 dry days. Only the 19th had >66% of max possible sun, with 5 days having <33%. Light or moderate S'ly winds veered N'ly on 15th, backing SW'ly on 17th and increased fresh on 20th. **From the 21st to the 30th :** Mean anomalies +3.7°, +4.6°, 162%, 109%. Anomalies for daily max range from +9.1° on 21st to -0.5° on 22nd, the month's coolest day, a drop of 9.6° in 24 hours. For daily min anomalies ranged from +1.9° on the 26th to +7.7° on the 28th. This was the wettest part of the month, with 33.8 mm in total, and 15.8 mm on the 22nd, the month's wettest day, and there were only 2 dry days. Sunshine was variable, 3 days had >66% of the max, and 5 had <33%. Light or mod winds were S'ly on 21st, backing E'ly on 23rd, veering W'ly on 25th, then backing S'ly by 30th.

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

Wokingham Climatological Graphs



Month: SEPTEMBER 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	22.0	14.3	0.1	11.1	17.8	17.4	2.4	0.0	1014.7	0 0 0 0	0 0 0 0	0 0 0 0	216	5.5	5.7	210	17	1421	220	9	14	0.4	
2	20.5	14.3	0.4	11.6	17.9	17.4	0.0	0.0	1010.0	0 0 0 0	0 0 0 0	0 0 0 0	214	9.4	9.5	210	37	1422	210	17	13	0.4	
3	25.7	16.0	tr	17.0	17.9	17.4	6.1	0.0	1007.9	0 0 0 0	0 0 0 0	0 0 0 0	243	10.3	10.7	240	30	1139	260	15	14	0.0	
4	24.9	14.0	tr	9.3	18.1	17.4	4.3	0.0	1023.9	0 0 0 0	0 0 0 0	0 0 0 0	244	5.7	5.8	270	18	1548	260	9	15	0.0	
5	25.8	18.0	0.0	14.8	18.5	17.4	2.1	0.0	1024.8	0 0 0 0	0 0 0 0	0 0 0 0	223	5.0	5.2	240	16	1216	240	8	12	0.0	
6	26.4	17.0	0.0	11.5	18.5	17.5	8.5	0.0	1018.0	0 0 0 0	0 0 0 0	0 0 0 0	253	4.9	5.6	340	17	2323	330	8	23	0.0	
7	21.3	12.3	0.0	6.9	18.8	17.5	11.6	0.0	1021.3	0 0 0 0	0 0 0 0	0 0 0 0	3	5.4	5.7	30	19	1620	10	8	14	0.0	
8	22.1	4.9	0.0	0.7	18.0	17.5	12.6	0.0	1031.5	0 0 0 0	0 0 0 0	0 0 0 0	73	3.7	4.1	90	16	1325	80	7	16	0.0	
9	23.7	7.4	0.0	2.4	17.6	17.5	8.0	0.0	1026.3	0 0 0 0	0 0 0 0	0 0 0 0	81	3.8	4.0	100	17	1128	70	8	16	0.0	
10	26.8	7.2	0.0	3.1	17.4	17.5	9.3	0.0	1021.8	0 0 0 0	0 0 0 0	0 0 0 0	173	1.6	2.7	190	11	1210	190	6	15	0.0	
11	29.6	9.8	2.0	6.5	17.6	17.4	7.3	0.0	1018.1	0 0 0 0	1 0 0 0	0 0 0 0	156	2.1	3.3	220	20	1716	210	8	17	1.5	
12	20.7	14.8	1.6	11.0	18.0	17.4	0.1	0.0	1016.7	0 0 0 0	0 0 0 0	0 0 0 0	204	2.3	2.8	240	10	0917	250	5	09	0.7	
13	24.2	15.7	14.2	11.3	18.0	17.3	3.6	0.0	1010.0	0 0 0 0	1 0 0 0	0 0 0 0	171	2.6	3.2	200	17	1342	190	7	13	5.1	
14	19.7	16.5	1.0	15.4	18.5	17.3	0.3	0.0	1001.2	0 0 0 0	0 0 0 0	0 0 0 0	235	0.9	3.5	260	17	1024	240	8	10	2.0	
15	22.2	13.9	tr	10.6	18.2	17.4	4.6	0.0	1011.1	0 0 0 0	0 0 0 0	0 0 0 0	4	5.5	5.6	20	20	1655	10	9	16	0.0	
16	20.3	15.0	0.0	14.3	18.2	17.4	0.1	0.0	1011.4	0 0 0 0	0 0 0 0	0 0 0 0	347	3.5	4.0	10	12	0523	10	6	03	0.0	
17	24.2	15.8	0.0	14.8	18.3	17.5	7.6	0.0	1013.0	0 0 0 0	0 0 0 0	0 0 0 0	244	4.5	4.6	230	13	0958	240	7	18	0.0	
18	20.8	14.4	tr	12.6	18.4	17.5	3.8	0.0	1013.4	0 0 0 0	0 0 0 0	0 0 0 0	230	6.2	6.5	230	20	1555	230	10	14	0.1	
19	20.2	11.9	tr	8.9	17.9	17.5	8.7	0.0	1014.0	0 0 0 0	0 0 0 0	0 0 0 0	240	5.5	5.9	240	19	1158	250	10	14	0.0	
20	22.6	10.5	tr	5.0	17.2	17.4	6.9	0.0	1011.8	0 0 0 0	0 0 0 0	0 0 0 0	184	5.9	6.1	190	24	1259	190	12	14	0.0	
21	27.4	16.8	5.0	10.8	17.2	17.4	9.6	0.0	1004.2	0 0 0 0	0 0 0 0	0 0 0 0	162	5.7	6.1	150	26	1356	150	10	13	5.0	
22	17.8	15.3	15.8	14.3	17.6	17.3	1.9	0.0	1005.1	0 0 0 0	0 0 0 0	0 0 0 0	166	2.5	3.0	210	13	1520	210	6	15	7.8	
23	23.5	12.7	3.5	7.6	17.1	17.3	8.5	0.0	1010.5	0 0 0 0	0 0 0 0	0 0 0 0	105	3.3	3.5	110	12	1448	100	6	13	1.2	
24	22.3	14.4	0.0	10.5	17.4	17.2	8.1	0.0	1004.9	0 0 0 0	0 0 0 0	0 0 0 0	143	2.1	3.2	250	12	0617	170	5	13	0.0	
25	21.2	13.4	2.1	9.9	17.5	17.2	1.7	0.0	1008.2	0 0 0 0	1 0 0 0	0 0 0 0	256	1.7	2.9	250	12	1115	250	7	11	0.2	
26	21.3	11.2	0.0	7.0	17.4	17.1	9.3	0.0	1017.5	0 0 0 0	0 0 0 0	0 0 0 0	248	3.3	3.8	290	14	1422	260	6	13	0.0	
27	20.3	11.4	0.6	6.8	16.9	17.2	1.1	0.0	1014.4	0 0 0 0	0 0 0 0	0 0 0 0	197	6.3	6.4	200	25	1547	200	11	13	0.5	
28	20.4	16.5	2.5	14.8	17.1	17.1	0.4	0.0	1008.3	0 0 0 0	0 0 0 0	0 0 0 0	205	5.0	5.2	200	14	1714	200	8	14	1.9	
29	20.4	15.4	2.0	13.1	17.4	17.0	2.3	0.0	1003.3	0 0 0 0	0 0 0 0	0 0 0 0	199	5.1	5.5	250	20	1730	230	10	17	1.5	
30	20.1	10.6	2.3	6.5	16.9	17.0	4.8	0.0	1006.6	0 0 0 0	1 0 0 0	0 0 0 0	175	4.6	4.9	190	20	1226	190	8	12	1.0	
Total			53.1				155.6	0.0															29.3
Mean	22.6	13.4		10.0	17.8	17.3	5.19	0.0	1013.5					213	2.5	5.0							
Anom	+3.7	+3.7	85%		+1.7	+0.8	118%																
Daily mean		18.0																					
Anom		+3.7																					

Number of days with:

Air frost = 0 Ground frost = 0 Nil sun = 1
Snow falling = 0 Snow lying = 0 Thunder = 4
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.

NOTE : Instruments moved to a new site, 350m to Northwest of old site, on 5th September 2006.

Weather observations. Emmbrook, Wokingham, Berkshire.

Observations at 1500 GMT for SEPTEMBER 2006

Date	VV	N	dd	ff	gg	TT	Td	Td	RH	r	PPP	a	ppp	ww	W1	W2	Nh	Cl	h	Cr	N	Ch	shs	N	Ch	shs	Date	Remarks
1	81	6	21	09	18	21.2	15.7	71	11.2	1012.2	8	011	02	2	2	6	8	5	3	0	85822						1	2Sc28 2Ac62
2	80	8	21	15	36	18.5	14.4	77	10.3	1005.9	7	020	50	5	2	8	5	4	/	/	83618	86622	88630			2	Absent vv&cld est	
3	81	1	26	13	28	24.7	13.5	50	9.7	1011.4	3	027	02	0	0	1	1	6	0	1	81840					3	1Ci80 COTRA Cu hum	
4	86	6	25	08	19	23.8	13.0	51	9.2	1023.7	5	000	03	1	1	6	8	6	0	0	81845	83650	86656			4	Cu hum	
5	86	6	24	09	16	24.9	14.6	53	10.3	1021.9	6	016	02	2	2	6	8	6	0	0	81840	86645				5		
6	80	7	26	07	12	26.0	14.8	50	10.5	1015.7	6	011	03	1	1	1	1	6	8	1	81840	87080				6	2Ac62 1Ac64 COTRA Ac cas U/a cont	
7	88	2	01	07	15	20.6	6.1	39	5.8	1023.8	2	013	02	0	0	2	4	7	0	1	81850					7	2Sc50 1Ci78 Cu hum	
8	84	2	08	07	13	21.6	5.4	35	5.5	1029.4	7	010	02	0	0	1	1	7	0	1	81856					8	2Ci78 COTRA	
9	86	7	08	06	13	22.2	6.4	36	5.9	1022.8	7	018	03	2	2	4	0	9	7	2	82462	83365	86075			9	COTRA	
10	84	2	18	05	11	26.6	9.3	34	7.2	1019.7	7	008	02	0	0	0	0	9	0	1	82080					10	COTRA	
11	82	5	17	06	16	27.5	12.8	40	9.2	1015.1	6	012	03	1	1	5	0	9	8	1	82360	84365				11	1Ci80 COTRA Ac cas	
12	75	7	16	03	06	20.7	16.8	78	12.0	1015.2	8	009	01	2	2	1	1	4	8	8	81815	85362	87272			12	4Ac66 COTRA Cu fra	
13	81	6	18	08	16	23.2	13.7	55	9.8	1007.8	8	014	01	2	2	1	1	6	3	2	81835	86075				13	1Ac68 COTRA U/a cont	
14	75	7	25	05	12	19.3	15.1	77	10.8	1004.4	1	010	02	2	2	3	8	4	7	/	82818	87358				14	2Sc35 Cu med	
15	80	7	36	09	17	21.8	13.6	59	9.7	1009.8	5	003	03	1	1	1	8	6	3	2	81830	86072				15	1Sc35 2Ac64 1Cc70	
16	57	7	36	04	08	20.1	15.0	73	10.7	1010.6	7	006	05	2	2	7	5	5	/	/	87620					16		
17	86	7	24	05	10	23.2	13.1	53	9.4	1011.8	7	004	03	1	1	3	8	6	0	1	81842	83648	86080			17		
18	86	7	23	09	16	19.8	9.3	51	7.3	1011.5	7	016	02	2	2	6	8	6	0	1	82842	85648	86078			18		
19	82	4	25	10	19	19.5	5.3	39	5.5	1014.2	7	001	02	1	1	2	1	7	0	1	82850	83078				19	Absent VV&cld est	
20	81	1	19	12	24	21.7	11.6	52	8.5	1010.0	7	010	02	0	0	1	1	6	0	0	81840					20	Absent vv&cld est	
21	84	3	15	09	27	26.5	9.6	35	7.6	1000.2	8	024	03	0	0	3	0	9	8	0	83362					21	Ac cas Absent vv&cld est	
22	59	4	20	04	08	17.2	16.5	96	11.9	1005.0	3	003	21	6	1	2	8	2	7	2	82703	83072				22	1Cu12 1Sc45 2As60 1Ac63 Cu con N	
23	86	2	11	06	12	22.7	12.8	54	9.3	1007.5	8	017	02	0	0	2	8	6	0	1	82838					23	1Sc56 1Ci78 Cu med	
24	88	5	16	04	11	21.4	11.0	51	8.2	1005.0	7	005	03	1	1	1	2	6	8	2	81840	83365				24	3Ci70 COTRA Cu medN Ac cas vir	
25	62	6	34	02	07	20.1	13.3	65	9.6	1009.1	1	003	15	2	2	4	8	5	7	1	83828	83075				25	2Sc56 2Ac60 1Ac65 Cu con jpN	
26	86	4	27	06	12	20.4	7.7	44	6.5	1017.6	3	002	02	0	0	2	2	6	0	1	82845	83080				26	COTRA Cu hum/med	
27	86	7	21	10	19	18.9	11.5	62	8.5	1010.6	7	020	03	2	2	1	1	5	7	8	81828	83468	87272			27	2Ac65 Cu hum/fra	
28	84	7	20	07	14	20.1	14.3	69	10.3	1007.3	7	004	15	8	2	7	8	5	/	/	83822	86645				28	Cu med jpW	
29	56	8	18	03	14	17.1	15.9	93	11.5	1002.0	6	013	80	8	2	8	8	3	/	/	81707	86818	88630			29		
30	78	3	19	06	19	19.4	15.0	76	10.8	1005.2	6	006	25	9	8	2	9	5	6	3	81822	82925				30	1Sc56 1Ac62 1Ci72	

Mean vis = 41.4 km
 Mean cloud = 5.1 64%
 Mean wind speed = 7.1 kn
 Mean gust = 16 kn
 Mean TT = 21.7 C
 Mean TdTd = 12.2 C
 Mean RH = 57.3 %
 Mean r = 9.1 g/kg
 Mean PPP = 1012.2 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
 SEPTEMBER 2006

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	17.9	22.0	15:13	15.1	05:45	78.6	89.3	00:10	58.1	11:29			0	0	9	591	840	0	0	0	
02	17.2	19.5	14:19	14.5	04:36	86.1	92.5	20:28	71.9	11:56			0	0	0	267	737	436	0	0	
03	20.8	25.7	13:57	17.1	23:04	76.9	95.0	04:28	49.4	14:39			0	0	275	495	263	407	0	0	
04	19.4	25.0	13:43	14.5	04:58	74.3	92.4	05:21	45.3	13:44			0	0	329	365	620	126	0	0	
05	20.8	25.9	14:41	17.7	23:59	75.8	93.7	05:23	48.9	14:43			0	0	359	475	163	443	0	0	
06	21.0	26.4	14:27	17.0	23:59	71.7	87.3	06:32	48.3	14:04			0	0	352	494	594	0	0	0	
07	16.5	21.3	14:31	10.5	23:25	62.4	87.4	06:17	31.3	15:34			0	276	394	363	407	0	0	0	
08	14.9	22.1	14:10	7.0	05:17	67.9	94.0	05:35	33.0	14:37			0	256	330	228	317	309	0	0	
09	16.0	23.8	13:45	9.4	04:45	69.0	95.7	05:45	33.3	13:47			0	211	352	263	191	324	99	0	
10	17.6	26.8	14:26	9.3	04:56	68.8	99.3	06:21	30.6	14:28			0	319	234	305	31	241	148	162	
11	19.9	29.7	13:59	11.5	05:37	65.7	93.8	23:54	32.0	14:01			0	196	415	286	423	120	0	0	
12	17.9	20.9	14:43	15.0	06:07	90.4	98.5	08:03	77.1	14:47			0	0	0	64	504	306	543	23	
13	19.2	24.2	14:05	16.0	05:57	84.2	98.0	07:20	52.4	14:07			0	0	197	278	166	128	671	0	
14	17.6	19.8	14:26	15.3	23:52	89.4	98.3	08:04	72.5	15:55			0	0	0	344	327	147	602	20	
15	17.5	22.3	14:27	14.8	05:44	82.3	95.7	03:00	55.6	14:29			0	0	123	397	300	472	148	0	
16	18.1	20.4	13:49	16.2	05:12	81.7	89.2	06:28	70.9	15:10			0	0	0	565	875	0	0	0	
17	19.1	24.2	14:23	16.0	05:40	73.1	91.7	23:44	32.3	12:22			0	132	182	340	716	70	0	0	
18	17.2	20.8	13:01	14.6	07:25	74.2	93.0	03:23	42.9	13:01			0	0	372	422	401	245	0	0	
19	15.6	20.2	14:12	12.1	23:41	69.1	91.8	23:48	36.1	15:31			0	81	422	348	421	168	0	0	
20	17.0	22.5	13:51	11.6	04:04	77.4	94.1	02:32	50.8	15:14			0	0	277	462	240	461	0	0	
21	21.6	27.4	14:42	17.1	05:32	62.4	82.6	02:28	32.7	14:50			0	256	415	317	452	0	0	0	
22	16.0	17.5	15:01	14.5	21:18	94.4	97.6	15:00	79.3	00:03			0	0	0	6	88	483	863	0	
23	17.7	23.5	13:22	13.1	05:00	81.6	98.8	09:15	46.6	15:27			0	0	205	404	168	77	515	71	
24	17.6	22.4	14:29	14.7	23:53	81.2	96.5	07:25	45.4	14:33			0	0	242	296	195	474	233	0	
25	16.3	21.2	14:11	13.6	23:59	87.4	96.9	07:09	58.8	14:14			0	0	4	271	326	472	367	0	
26	15.8	21.4	14:26	11.7	05:38	75.9	96.4	06:09	39.8	15:02			0	5	383	297	210	370	175	0	
27	16.4	20.3	12:59	12.7	02:34	80.9	97.1	05:42	57.0	13:03			0	0	102	664	132	227	315	0	
28	17.6	20.4	14:35	15.9	22:33	87.3	96.7	23:52	67.6	14:45			0	0	0	299	335	701	105	0	
29	16.2	20.4	12:11	13.4	20:37	89.4	97.6	07:43	58.2	12:21			0	0	12	215	282	380	551	0	
30	15.5	20.3	11:22	12.0	03:32	86.3	95.7	06:59	61.8	11:26			0	0	0	421	322	531	166	0	
Mean	17.7	22.6		13.8		78.2	94.2		50.7					0.00	0.96	3.33	5.86	6.14	4.51	3.06	0.15
Hi	21.6	29.7		17.7		94.4	99.3	Tot	79.3		0	0	0	1732	5985	10542	11046	8118	5501	276	
Lo	14.9	17.5		7.0		62.4	82.6		30.6												

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.