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 **JUNE 2007**

Temperature (°C / °F)			Anomaly	Rank in past **126** years			
Mean maximum	20.7	69.3	+0.9	45th highest			
Mean minimum	11.8	53.2	+1.7	2nd highest			
Daily mean	16.3	61.3	+1.3	13th highest			
Highest maximum	25.8	78.4	on 19th	Lowest maximum	16.1	61.0	on 24th
Highest minimum	14.5	58.1	on 14th	Lowest minimum	6.8	44.2	on 28th
Mean grass minimum	9.4	48.9		Lowest grass minimum	2.7	36.9	on 28th
Mean earth @30 cm	17.7	63.9	+1.4	Earth @100 cm	16.9	62.4	
Frost duration (hrs)	0.0			Rain duration (hrs)	47.8		
Rainfall total (mm / in)	108.9	4.29	199 %	7th highest			
Highest daily fall	27.0	1.06	on 19th				

Number of: Dry days (<0.2mm)	12	Wet days (>0.9mm)	15	days ≥5mm	7			
Sunshine total (hrs)	148.5	Daily mean	4.95	88 %	Sunniest day	14.6	on 5th	
No days with: Air frost	0	Ground frost	0	Snow falling	0	Snow lying	0	
Thunder	2	Hail ≥5mm	0	Small hail/ice	1	Fog @09	0	Nil sun 1
Air pressure MSL : Mean @09 GMT (mbar/in)			1012.2	-4.8	29.89			
Absolute highest			1025.7		30.29	on 4th		
Absolute lowest			994.3		29.36	on 25th		

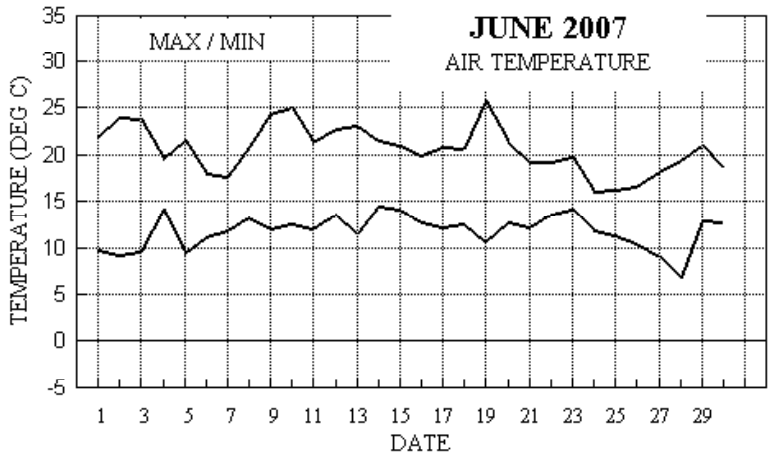
Anomaly = departure from 1971 to 2000 average (degrees C, percent and mbar).

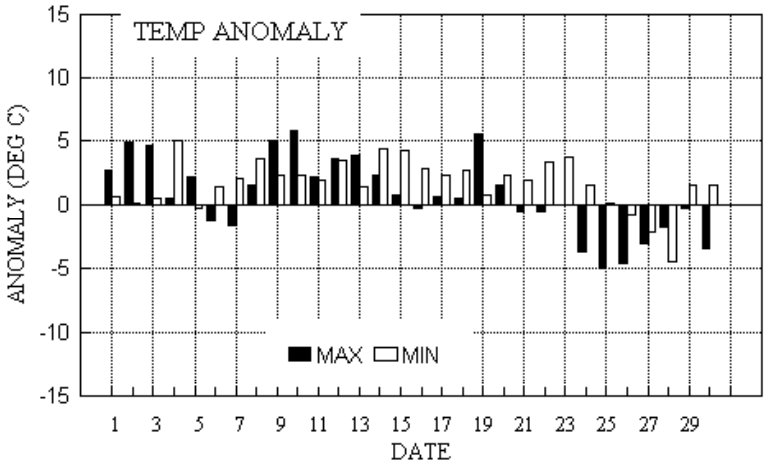
Notes: **Very Wet . Sunshine Well Below Normal. Temperature Well Above Normal.**

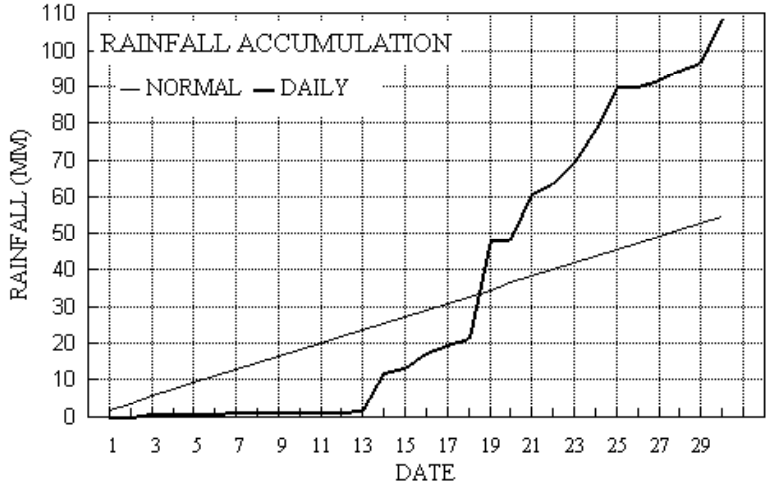
Temperature. Although the mean temperature ranks 13th highest in 126 years, and is just 0.1° outside the very warm category, it is lowest since 2002, and it owes its rank entirely to the mean minimum, 2nd highest, and only surpassed by 0.3° in 1976. Perhaps more notable was the absence of any hot days, and the low ranking of the mean max attests to this. The highest max is 1.2° below the median, and lowest since 1991. The lowest min is 2.1° above the median and is highest since 2003. The lowest max is 1.4° above the median, but the highest min is 0.3° below its median. The mean grass min is equal highest with 1997 since before 1980. The mean earth temp. at 30 cm depth is highest since 1992. Ground frost was absent this month, but may be expected in 1 in 3 Junes. **Rainfall.** Almost twice the average amount of rain fell in this exceptionally wet June, wettest since 1998, and in spite of a dry first half. The month's highest daily fall, which occurred in association with a severe thunderstorm on the 19th, is most since 1994. It is also notable in that the majority of the 27.0 mm fell in under 15 minutes, and rain rates of between 300 and 500 mm/hr were recorded for a few seconds. The number of dry days is fewest since 1998, but the 5 days with =>10 mm is most since before 1976. A 5 day dry spell ended on the 12th. **Sunshine.** A rather poor showing for a summer month, lowest for June since 2000. Notably, the total is lowest for any month since February this year, and is only 61 % of the value for April. Overall there were 12 days with <3 hours, 10 with =>6 hours, 5 with =>9 hours and 2 with =>12 hours. **Wind.** The mean wind speed this June was 6.1 mph, slightly below average. The 29th was the windiest day, mean 10.8 mph, and the gust of 32 mph on that day was the month's highest. The least windy day was the 9th, 2.4 mph, and there were 609 minutes (10.1 hours) with a mean speed of 0.5 mph or less. Daily mean direction/number of days: N,2 NE,4 E,3 SE,0 S,6 Sw,9 W,5 NW,1. **Humidity.** The overall mean relative humidity was 77.0 % and the lowest value recorded was 34 % on the 2nd. The mean water vapour content per kg of air was 9.0 g at 0900 and 8.3 g at 1500 GMT. **Pressure.** The mean pressure is lowest for June since 1997. **Commentary. From the 1st to the 10th :** Mean anomalies (max, min, rain, sun), +2.5°, +1.8°, 7 %, 132 %. Warm by day, with anomalies for max temp ranging from +5.8° on the 10th to –1.6° on the 7th. Anomalies for daily min ranged from +5.1° on the 4th to –0.3° on the 5th. 8 dry days and only 1.2 mm of rain making this the driest period of the month. 5 sunny days, including 14.6 hours on the 5th, the month's sunniest day. Light or moderate winds were E'ly on the 1st, veering to W'ly by the 3rd, then to N or NE until the 10th. **From the 11th to the 20th :** Mean anomalies, +2.1°, +2.7°, 258 %, 80 %, Anomalies for daily max ranged from +5.6° on the 19th, the month's hottest day, to –0.2° on the 16th. For daily min, the range was from +4.4° on the 14th , the month's mildest night, to +0.8° on the 19th. Wet after the 13th, with a 10 day total of 47.0 mm, including 27.0 mm during the severe thunderstorm on the 19th, the month's wettest day. Sunshine was poor, only the 20th having over 50 % of the max. Light W'ly winds on the 11th backed S'ly by the 14th, became moderate on the 15th, temporarily backed E'ly on 19th, and increased fresh on the 20th. **From the 21st to the 30th :** Mean anomalies –2.3°, +0.6°, 334 %, 54 %. This is the coolest period, with daily anomalies for max between 0.0° on the 23rd to –5.0° on the 25th, and for min, +3.8° on the 23rd to –4.5° on the 28th, the month's coolest night. Very wet, just one dry day, and a total of 60.7 mm, including over 10 mm on the 21st, 25th and 30th. Very dull, with less than 20 % of the max on 6 days, and none over 50 %. Mainly moderate winds were generally SW'ly, but were temporarily fresh on the 29th.

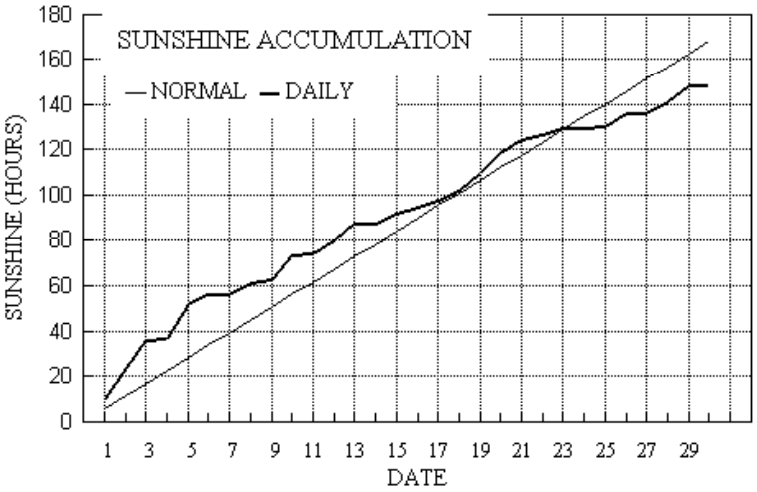
B J Burton. FRMetS. Hon. Met. Officer to Wokingham Town Council.

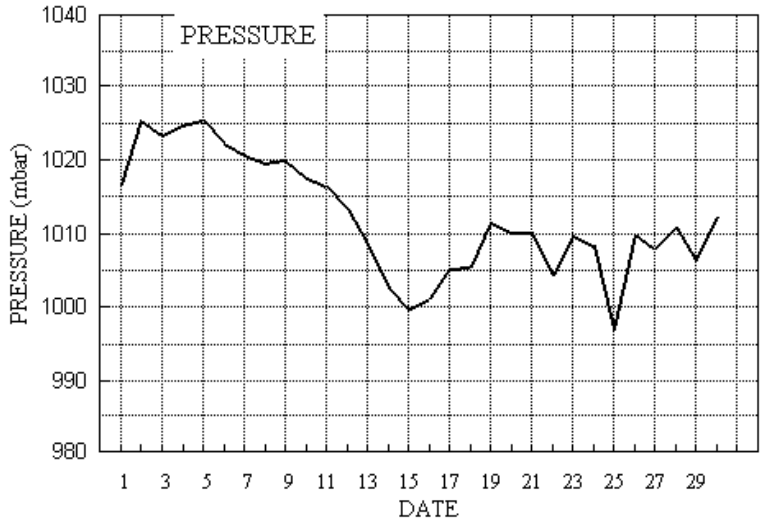
Wokingham Climatological Graphs for June 2007

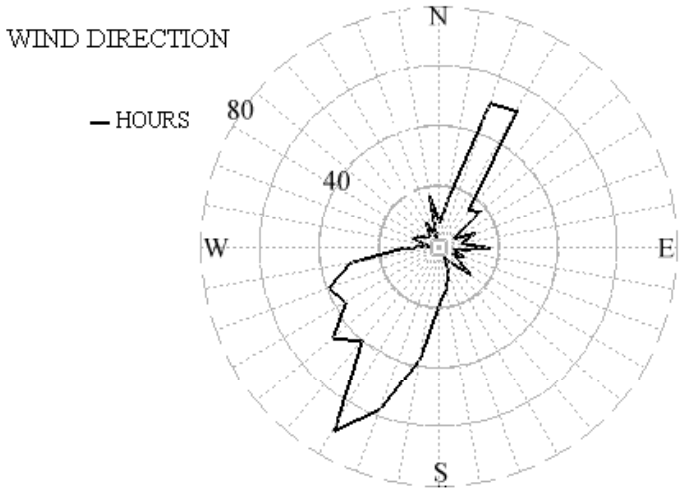


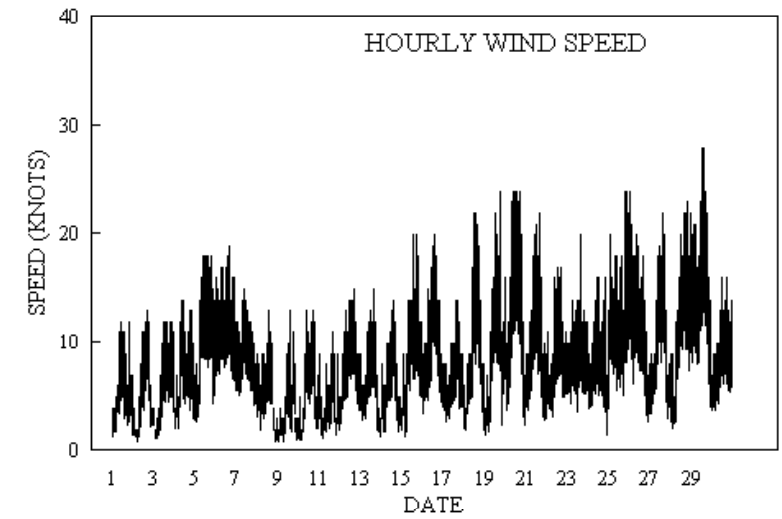


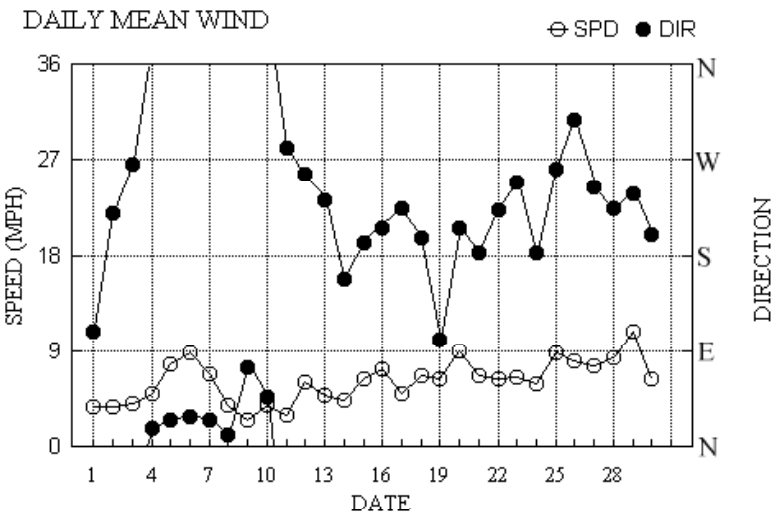












Daily meteorological data. Emmbrook, WOKINGHAM, Berkshire.

Month: JUNE 2007

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	21.9	9.8	tr	6.7	14.8	15.0	9.8	0.0	1016.7	0 0	0 0	0 0	0 0	108	0.4	3.3	230	12	2009	90	6	10	0.0
2	24.1	9.2	0.0	5.3	15.9	15.0	14.0	0.0	1025.4	0 0	0 0	0 0	0 0	220	2.3	3.2	250	13	1750	250	7	17	0.0
3	23.9	9.6	0.9	5.7	16.8	15.2	11.9	0.0	1023.4	0 0	0 0	0 0	0 0	266	2.0	3.5	260	12	1617	260	6	16	0.7
4	19.7	14.2	tr	13.8	17.7	15.5	1.4	0.0	1024.7	0 0	0 0	0 0	0 0	17	4.1	4.3	30	14	0942	20	8	09	0.0
5	21.5	9.4	0.0	4.4	17.1	15.7	14.6	0.0	1025.3	0 0	0 0	0 0	0 0	25	6.7	6.8	30	18	1833	30	10	18	0.0
6	18.0	11.1	0.0	8.0	17.4	15.9	4.7	0.0	1022.3	0 0	0 0	0 0	0 0	28	7.7	7.7	30	19	1633	30	10	07	0.0
7	17.7	11.8	0.2	10.4	17.5	16.1	0.3	0.0	1020.6	0 0	0 0	0 0	0 0	24	5.9	5.9	20	15	0823	20	8	08	0.3
8	20.9	13.3	0.1	12.9	17.3	16.3	4.7	0.0	1019.5	0 0	0 0	0 0	0 0	11	3.2	3.4	10	13	1402	20	6	14	0.3
9	24.3	12.1	0.0	9.3	17.5	16.4	1.4	0.0	1019.9	0 0	0 0	0 0	0 0	74	0.7	2.1	30	13	1423	30	5	14	0.0
10	25.0	12.5	0.0	9.5	18.1	16.5	11.2	0.0	1017.6	0 0	0 0	0 0	0 0	46	3.3	3.4	30	13	0953	40	6	09	0.0
11	21.4	12.0	0.0	8.2	18.7	16.7	0.3	0.0	1016.3	0 0	0 0	0 0	0 0	282	0.5	2.5	260	11	1637	270	5	16	0.0
12	22.8	13.6	0.0	9.4	18.4	16.9	6.1	0.0	1013.3	0 0	0 0	0 0	0 0	256	5.1	5.2	280	15	1643	270	8	16	0.0
13	23.1	11.5	0.6	6.6	18.4	17.0	7.0	0.0	1008.6	0 0	0 0	0 0	0 0	232	3.6	4.2	230	15	1653	220	8	16	1.4
14	21.6	14.5	10.1	14.0	18.6	17.2	0.1	0.0	1002.6	0 0	0 0	0 0	0 0	158	2.6	3.7	210	14	1445	210	7	14	3.3
15	21.0	14.1	1.2	13.5	18.6	17.3	4.6	0.0	999.6	0 0	0 0	0 0	0 0	192	5.3	5.5	190	20	1255	200	9	16	0.7
16	20.0	12.7	4.2	10.6	18.2	17.4	2.9	0.0	1001.1	0 0	0 0	1 0	0 0	206	6.2	6.3	210	20	1403	210	10	12	1.4
17	20.8	12.3	2.3	11.5	18.2	17.5	2.6	0.0	1005.2	0 0	0 0	0 0	0 0	224	4.1	4.3	210	14	1555	200	8	17	2.3
18	20.7	12.6	1.6	11.7	18.3	17.5	4.8	0.0	1005.5	0 0	0 0	0 0	0 0	196	4.6	5.8	200	22	1301	220	11	16	0.3
19	25.8	10.7	27.0	7.4	17.9	17.5	7.4	0.0	1011.5	0 0	0 0	1 0	1 0	100	4.2	5.5	180	24	1823	90	10	13	0.6
20	21.3	12.7	0.0	10.4	18.6	17.6	8.8	0.0	1010.2	0 0	0 0	0 0	0 0	206	7.6	7.8	210	24	1243	210	13	16	0.0
21	19.3	12.3	12.5	7.6	18.4	17.7	5.8	0.0	1010.1	0 0	0 0	0 0	0 0	182	5.4	5.8	210	22	1513	190	10	13	6.1
22	19.3	13.7	2.7	12.0	18.2	17.7	2.1	0.0	1004.2	0 0	0 0	0 0	0 0	223	3.7	5.5	240	17	1343	250	8	09	0.7
23	19.8	14.1	6.1	12.3	18.5	17.8	3.0	0.0	1009.6	0 0	0 0	0 0	0 0	249	5.4	5.7	210	20	1528	220	8	15	2.8
24	16.1	11.8	8.7	9.6	18.5	17.8	0.1	0.0	1008.4	0 0	0 0	0 0	0 0	182	2.6	5.0	200	16	1209	30	9	19	8.5
25	16.3	11.4	11.9	10.8	18.0	17.9	0.9	0.0	996.8	0 0	0 0	0 0	0 0	262	0.7	7.7	360	24	1820	350	10	22	4.7
26	16.7	10.5	0.0	9.2	17.5	17.9	5.4	0.0	1009.9	0 0	0 0	0 0	0 0	308	6.6	7.0	330	24	0040	320	11	00	0.0
27	18.2	9.1	1.9	6.0	17.2	17.8	0.5	0.0	1007.9	0 0	0 0	0 0	0 0	245	6.4	6.6	240	22	1447	240	11	14	0.2
28	19.5	6.8	2.3	2.7	17.0	17.7	4.7	0.0	1010.7	0 0	0 0	0 0	0 0	224	7.1	7.2	220	23	1920	230	12	16	2.5
29	21.0	12.9	2.4	12.4	17.3	17.6	7.4	0.0	1006.3	0 0	0 0	0 0	0 0	238	8.9	9.4	250	28	1430	250	13	15	2.0
30	18.5	12.8	12.2	9.3	17.8	17.6	0.0	0.0	1012.3	0 0	0 0	0 0	0 0	200	5.5	5.6	200	16	1125	210	8	14	9.0
Total			108.9				148.5	0.0															47.8
Mean	20.7	11.8		9.4	17.7	16.9	4.95	0.0	1012.2					230	1.7	5.3							
Anom	+0.9	+1.7	199%		+1.4	+2.8	88%		-4.8														

Daily mean 16.3 Pressure, abs highest = 1025.7 on 4

Anom +1.3 Pressure, abs lowest = 994.3 on 25

Number of days with:

Air frost = 0 Ground frost = 0 Nil sun = 1

Snow falling = 0 Snow lying = 0 Thunder = 2

Hail=>5mm = 0 Hail<5mm or ice = 1 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 2007

Date	VV	N	dd	ff	gg	TT	TdTd	RH	r	PPP	a	ppp	ww	W1	W2	Nh	Cl	h	Cr	Cm	Ch	NChshs	NChshs	NChshs	Date	Remarks
1	65	6	06	04	10	17.4	12.7	75	9.2	1016.7	2	020	03	1	1	2	8	4	0	1		82818	86075		1	2Sc50 Cu fra/hum Sc cas
2	72	1	09	02	06	19.7	12.4	63	8.9	1025.4	1	004	03	0	0	1	1	6	0	1		81830			2	1Ci80 COTRA
3	82	6	21	01	06	20.1	11.8	59	8.6	1023.4	7	002	03	1	1	0	0	9	0	1		86080			3	COTRA
4	62	7	02	06	11	16.9	13.0	78	9.2	1024.7	2	010	01	2	2	6	5	4	8	0		86615	83365		4	Ac cas
5	63	3	01	10	17	13.8	9.5	75	7.3	1025.3	8	002	02	1	1	2	5	5	0	1		82620			5	2Ci80 COTRA
6	68	7	03	09	15	12.7	8.7	77	6.9	1022.3	0	000	02	2	2	7	5	4	/	/		87617			6	
7	65	8	02	08	14	14.8	11.8	82	8.6	1020.6	0	000	02	2	2	8	5	4	/	/		86612	88625		7	
8	40	7	31	02	06	14.2	12.6	90	9.0	1019.5	0	002	61	6	2	5	7	3	7	/		82707	85458	87362	8	
9	57	8	06	02	04	19.3	15.1	76	10.6	1019.9	7	002	05	1	1	2	5	6	7	/		82640	84358	88362	9	
10	38	7	04	06	09	18.6	17.4	93	12.2	1017.6	1	004	05	4	1	7	6	4	/	/		83708	86712		10	
11	56	8	05	01	04	17.1	14.7	86	10.4	1016.3	2	005	05	2	2	8	5	4	/	/		83612	88618		11	
12	59	7	29	05	10	18.2	14.2	78	10.1	1013.3	8	002	05	2	2	7	8	4	/	/		81815	85817	87625	12	Cu fra/hum
13	78	7	26	05	10	19.1	12.9	67	9.3	1008.6	7	006	03	1	1	2	2	5	0	1		82825	87080		13	COTRA Cu med
14	62	7	13	05	10	18.2	14.0	77	10.1	1002.6	8	005	02	2	2	7	8	4	/	/		81818	83630	87650	14	Cu hum/fra
15	82	4	20	06	13	17.9	12.1	69	8.9	999.6	1	005	03	1	1	3	8	5	0	1		83824			15	1Sc40 2Ci78 COTRA Cu med
16	86	7	22	06	13	18.3	12.6	69	9.2	1001.1	0	002	03	2	2	3	8	5	6	1		83820	83358		16	1Sc35 2Ac60 /Ci75 Cu con Vio rash 0905z
17	86	4	28	04	08	17.2	10.9	66	8.2	1005.2	1	005	03	1	1	3	8	5	3	0		81825	83635		17	2Ac58 Cu hum
18	56	8	13	04	09	15.8	14.8	94	10.6	1005.5	2	005	50	6	5	8	5	2	/	/		83705	87708	88625	18	
19	83	7	09	07	15	20.7	12.5	60	9.1	1011.5	8	008	02	2	2	1	5	6	3	1		81640	87075		19	1Ac58 COTRA Halo 22 part +u/A&L/a
20	78	4	21	10	24	18.4	11.3	63	8.3	1010.2	1	005	01	1	1	4	8	5	0	0		83825			20	1Sc35 Cu med
21	83	4	18	08	17	18.6	11.5	63	8.5	1010.1	8	006	03	0	0	3	8	5	0	1		82828			21	2Sc50 2Ci78 Cu med
22	65	6	20	05	10	16.9	13.9	83	10.0	1004.2	6	003	15	6	2	6	8	4	/	1		84812	83640		22	/Ci78 COTRA Cu med jpNW vv40k ex p
23	75	7	28	05	11	16.7	12.2	75	8.9	1009.6	1	009	03	2	2	7	8	4	/	1		86818	84630		23	/Ci75 Cu med
24	75	8	20	06	13	13.6	12.1	91	8.9	1008.4	7	003	61	6	2	5	8	3	2	/		82709	83812	88550	24	1Sc25 Cu med
25	80	7	20	08	16	13.3	10.6	84	8.1	996.8	7	012	60	6	2	6	8	5	7	/		85820	85360	87462	25	2Sc45 Cu med
26	86	7	29	10	18	14.1	5.9	58	5.8	1009.9	2	015	03	1	1	7	8	6	/	1		82832	87645		26	/Ci78 COTRA Cu hum
27	83	7	25	08	16	14.5	8.1	65	6.8	1007.9	7	006	03	2	2	4	8	5	3	/		83828	87362		27	1Sc40 1Sc56 Cu med
28	86	5	22	06	12	16.0	8.8	62	7.1	1010.7	1	002	01	8	2	1	8	5	3	1		81828	83075		28	1Sc56 2Ac58 COTRA Cu med U/a&L/a cont
29	86	7	24	06	13	18.0	14.2	78	10.2	1006.3	2	002	03	6	1	7	8	4	/	1		82812	86818		29	2Sc30 /Ci75 Cu fra/med
30	56	8	20	05	10	16.2	15.3	95	10.9	1012.3	7	003	62	6	2	7	7	3	2	/		82707	87710	88540	30	

Mean vis = 27.2 km
Mean cloud = 6.3 79%
Mean wind speed = 5.7 kn
Mean gust = 12 kn
Mean TT = 16.9 C
Mean TdTd = 12.3 C
Mean RH = 75.0 %
Mean r = 9.0 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.

Weather observations. Emmbrook, Wokingham, Berkshire.

Observations at 1500 GMT for JUNE 2007

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	68	6	24	02	07	19.9	9.3	50	7.2	1019.4	2	012	15	2	2	3	2	6	6	0	83840	85358		1	Cu con jpS
2	80	4	22	05	12	23.5	9.0	40	7.1	1024.1	7	009	02	1	1	2	8	7	0	1	82850	83078		2	Cu med
3	80	6	26	06	11	23.2	8.7	40	6.9	1021.7	7	011	02	2	2	3	8	7	0	1	83850	85078		3	1Sc56 COTRA Cu conE
4	61	8	36	05	09	17.3	13.8	80	9.7	1024.7	7	007	02	5	2	8	5	4	/	/	86618	88625		4	
5	81	2	03	09	18	19.8	9.8	52	7.4	1022.6	7	014	02	0	0	2	2	6	0	1	82645			5	1Ci80 Cu med
6	70	2	03	09	18	17.5	10.7	64	7.9	1020.9	6	008	02	1	1	2	5	5	0	0	82628			6	
7	66	8	02	06	12	16.9	12.1	74	8.8	1019.6	7	010	02	2	2	8	5	4	/	/	83617	88620		7	
8	58	3	02	06	12	18.9	13.5	71	9.5	1019.7	7	002	05	1	1	3	0	9	7	0	81358			8	2Ac60 1Ac65
9	59	6	06	05	12	22.5	15.3	64	10.7	1017.8	7	009	05	2	2	2	8	6	7	/	82835	83358		9	1Sc56 4Ac60 Cu med
10	62	3	03	06	12	24.1	12.9	50	9.2	1016.2	7	007	03	0	0	2	2	6	6	0	82835			10	1Ac57 Cu med/con W
11	60	8	26	03	09	20.0	13.9	68	9.8	1015.0	7	008	05	2	2	8	8	5	/	/	83824	88630		11	Cu hum
12	80	5	27	06	13	21.3	11.3	53	8.3	1010.8	7	014	01	2	2	3	1	6	0	1	83835	83075		12	Cu hum
13	80	8	22	05	11	22.2	11.3	50	8.3	1006.2	7	012	03	2	2	1	2	6	6	7	81844	88268		13	Cu med 2Ac58 1Ac61 Halo 22° faint
14	64	8	21	08	14	19.5	12.6	64	9.2	1001.7	7	005	60	6	2	1	8	6	7	/	81830	88462		14	1Sc50 2Ac58 Cu med
15	84	7	19	07	16	16.8	10.8	68	8.1	1000.0	1	008	15	8	2	4	8	5	7	2	81825	83645	85357	15	2Cu30 /Ci72 Cu con jpE
16	80	7	21	10	20	19.6	10.3	55	7.9	1001.0	7	005	25	8	2	2	9	5	6	3	81925	82835	83358	16	1Sc50 1Ac62 5Ci75 COTRA jp all quads exS
17	84	7	21	05	10	20.1	9.4	50	7.4	1003.8	7	011	01	2	2	4	8	6	0	6	83840	86078		17	2Sc56 2Cs75 Cu med
18	82	6	21	08	19	18.2	12.2	68	8.8	1008.2	1	014	21	6	2	6	8	5	/	2	84825	83635		18	/Ci75 Cu med jpW
19	82	7	08	09	21	25.0	13.1	48	9.4	1006.9	6	024	03	2	2	1	8	6	8	1	81845	83362	87075	19	1Sc56 1Ac58 COTRA U/a cont, bright, coloured
20	80	6	20	11	24	20.0	8.9	49	7.1	1011.1	1	002	02	2	2	4	2	6	6	0	84844	83358		20	1Sc56 Cu med
21	75	6	19	08	22	18.5	10.1	58	7.7	1009.7	8	005	15	8	2	3	8	6	6	1	82832	84358		21	1Sc45 1Sc56 /Ci78 Cu con jpNE&S to NW vv50k ex p
22	60	7	25	08	17	15.9	13.4	85	9.6	1005.5	2	002	81	8	2	4	9	5	6	3	81825	83930	87070	22	1Sc50 2Ac60
23	82	6	22	07	14	19.2	13.2	68	9.5	1009.2	5	004	15	8	2	3	9	5	6	3	81922	83828		23	3Ac60 2Ci75 Absent vv&cld est
24	82	8	18	06	12	15.8	10.2	69	7.8	1005.8	7	016	21	6	2	4	8	5	7	/	83820	88358		24	2Sc30 Absent vv&cld est
25	40	7	03	09	14	13.8	12.8	93	9.3	995.4	5	003	80	8	6	7	8	3	/	/	82708	84810	86640	25	Cu med vv 15kW
26	86	6	32	07	16	15.6	3.0	43	4.7	1009.9	6	003	01	2	2	3	8	6	4	1	82845	84364		26	2Sc56 2Ci78 Cu med
27	70	7	25	10	22	17.0	8.8	58	7.1	1006.3	7	008	80	8	2	7	8	6	7	/	83832	85650	86358	27	Cu med
28	86	7	24	10	21	19.0	7.3	47	6.4	1009.6	8	012	02	2	2	3	8	6	0	1	83840	87075		28	1Sc45 1Sc56 COTRA Cu med
29	84	2	25	13	26	20.9	10.1	50	7.7	1007.6	1	008	15	8	1	2	9	6	6	0	81935			29	1Cu40 1Sc56 1Ac62 CbN jp NW-N
30	75	8	21	08	16	17.7	15.7	89	11.1	1011.2	7	007	60	6	2	7	5	4	2	/	82712	87615	88540	30	

Mean vis = 28.2 km
Mean cloud = 6.0 75%
Mean wind speed = 7.2 kn
Mean gust = 15 kn
Mean TT = 19.3 C
Mean TdTd = 11.1 C
Mean RH = 60.6 %
Mean r = 8.3 g/kg
Mean PPP = 1011.4 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
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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 AWS Psychrometer, 1min readings

Daily means and extremes, 00-24 GMT and RH statistics

June 2007

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	90-100
01	16.2	21.5	1337	9.7	403	69.7	96.3	407	43.3	1223		0	0	587	396	92	365
02	17.1	24.0	1410	9.0	416	66.5	98.0	516	35.7	1248		0	92	603	206	158	381
03	17.5	23.6	1357	9.4	425	67.7	96.1	437	38.6	1506		0	5	666	160	261	348
04	15.8	19.3	1849	12.3	2359	82.7	96.0	107	65.3	1855		0	0	0	625	351	464
05	14.9	21.3	1443	9.3	320	73.2	97.6	333	42.8	1557		0	0	391	469	292	288
06	13.4	17.6	1338	10.9	301	74.1	84.6	300	59.0	1546		0	0	7	1030	403	0
07	14.7	17.6	1546	11.7	450	80.8	90.8	502	69.8	1546		0	0	0	705	713	22
08	16.0	20.5	1612	13.2	426	82.4	96.2	2330	60.9	1705		0	0	0	499	613	328
09	18.1	24.1	1614	11.8	405	79.4	98.2	434	51.3	1321		0	0	236	493	116	595
10	18.4	24.9	1440	12.3	344	79.5	99.1	711	46.3	1348		0	0	353	278	219	590
11	16.8	21.1	1624	11.7	405	82.3	97.8	420	63.1	1422		0	0	0	606	320	514
12	17.7	22.7	1612	13.4	144	74.3	97.5	303	48.4	1614		0	0	387	489	143	421
13	17.0	22.6	1330	11.7	405	75.1	96.0	2329	47.1	1334		0	0	325	449	285	381
14	17.5	21.3	1225	14.2	436	78.9	96.1	5	55.5	1353		0	0	71	678	272	419
15	16.1	20.7	1130	12.8	2339	78.1	97.5	538	49.6	1109		0	0	219	511	266	444
16	15.7	20.1	1348	12.6	57	78.3	92.8	101	53.7	1558		0	0	163	554	448	275
17	15.8	20.5	1549	12.2	447	72.5	94.0	147	47.3	1552		0	0	474	390	400	176
18	15.4	19.7	1646	11.0	2400	80.5	96.5	300	51.6	1814		0	0	265	354	118	703
19	18.1	25.7	1453	10.4	42	77.0	96.7	447	43.8	1303		0	0	471	167	108	694
20	16.8	21.2	1448	12.1	2305	68.7	92.4	406	45.0	1450		0	0	612	274	369	185
21	15.4	19.0	1457	12.3	320	79.5	95.8	2358	56.9	1024		0	0	40	570	650	180
22	15.4	19.0	1310	13.5	144	85.4	97.1	419	62.2	1313		0	0	0	444	504	492
23	15.8	19.5	1302	12.8	2400	79.7	90.6	450	61.2	1050		0	0	0	757	636	47
24	13.2	15.9	1438	11.7	330	88.0	97.7	2234	66.7	1508		0	0	0	152	710	578
25	12.9	16.3	1637	11.2	427	89.7	97.4	18	69.9	1819		0	0	0	169	364	907
26	12.9	16.8	1526	9.6	2400	62.5	88.6	1	39.8	1609		0	3	756	484	197	0
27	13.1	17.9	1425	9.1	143	72.5	86.5	1832	49.7	1429		0	0	312	710	418	0
28	13.9	19.3	1457	6.5	332	69.8	95.6	341	45.0	1513		0	0	520	484	269	167
29	16.5	21.1	1440	12.8	2334	71.7	93.8	503	42.0	1431		0	0	427	547	215	251
30	15.8	18.3	1423	12.8	29	90.2	95.0	2036	78.8	1		0	0	0	18	646	776
Mean	15.8	20.4		11.5		77.0	94.9		53.0			0.00	0.06	4.38	7.59	5.86	6.11
Hi	18.4	25.7		14.2		90.2	99.1		78.8	Tot	0	0	100	7885	13668	10556	10991
Lo	12.9	15.9		6.5		62.5	84.6		35.7								