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 **JANUARY 2007**

Temperature (°C / °F)			Anomaly	Rank in past **126 years**			
Mean maximum	10.4	50.7	+2.9	2nd highest			
Mean minimum	4.9	40.8	+3.4	*Highest*			
Daily mean	7.6	45.7	+3.1	*Highest*			
Highest maximum	14.2	57.6	on 18th	Lowest maximum	4.0	39.2	on 23rd
Highest minimum	10.3	50.5	on 23rd	Lowest minimum	-3.4	25.9	on 26th
Mean grass minimum	1.6	34.9		Lowest grass minimum	-8.7	16.3	on 26th
Mean earth @30 cm	7.6	45.7	+2.4	Earth @100 cm	9.8	49.6	+2.5
Frost duration (hrs)	27.8			Rain duration (hrs)	51.0 *		
Rainfall total (mm / in)	69.2	2.72	113 %	44th highest			
Highest daily fall	14.6	0.57	on 6th				

Number of: Dry days (<0.2mm)	12	Wet days (>0.9mm)	14	days ≥5mm	4			
Sunshine total (hrs)	72.0	Daily mean	2.32	122 %	Sunniest day	7.8	on 31st	
No days with: Air frost	4	Ground frost	14	Snow falling	2	Snow lying	1	
Thunder	0	Hail ≥5mm	0	Small hail/ice	1	Fog @09	0	Nil sun 4

Air pressure MSL : Mean @09 GMT (mbar/in)	1017.0	+1.0	30.03
Absolute highest	1035.1		30.57 on 28th
Absolute lowest	987.4		29.16 on 18th

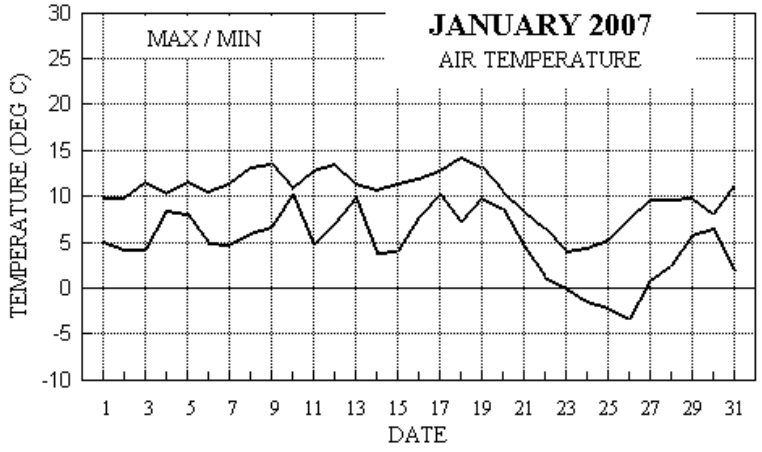
Anomaly = departure from 1971 to 2000 average (degrees C, percent and mbar). *Excludes snow on 24th

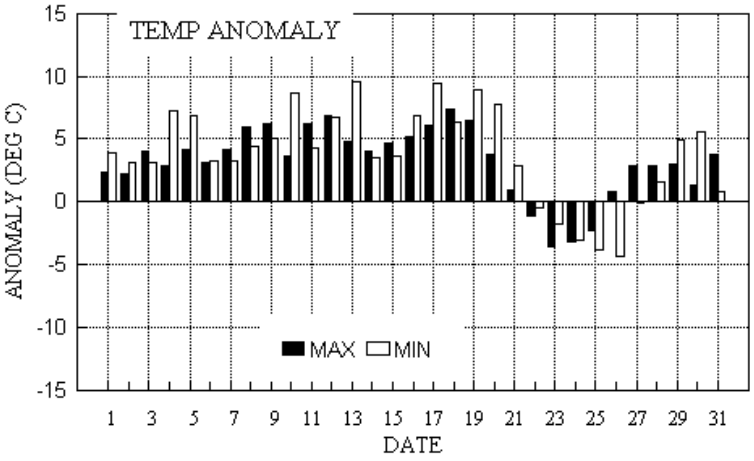
Notes: **Record high temperatures. Very Sunny. Rainfall above average. Very windy at times.**

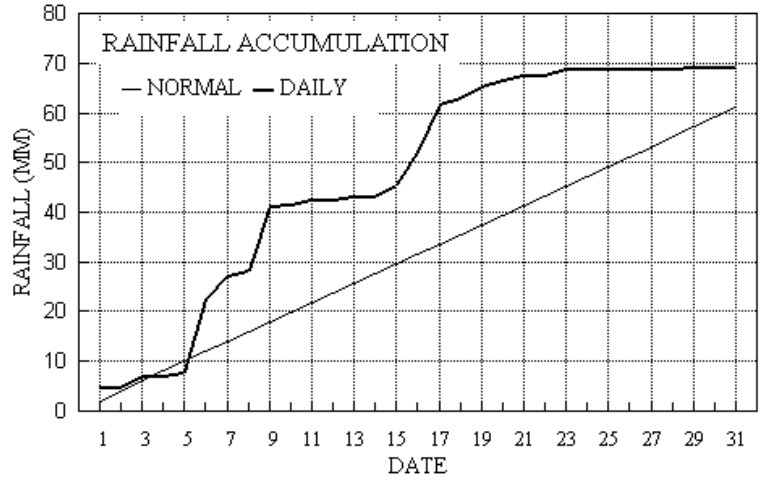
Temperatures. Both the mean temperature and the mean minimum have set a new January record. The mean temperature of 7.6° is 0.1° above the previous joint highest in 1921 and 1916. The mean maximum, however, ranks only 2nd highest, 0.1° below the record set in 1916. This is also the 5th consecutive month in the top decile of ranked temperatures since 1882. The highest max is 1.8° above the median and 4th highest in 104 years. The lowest min is 2.5° above the median, but 2.6° below the record. The lowest max is 3.2° above the median and the highest min is 2.2° above its median. The mean grass min is 2nd highest after 1993 in 28 years. Earth temperatures at 30 cm and 1 m depth are both new record highs. Despite the overall record warmth, there was a brief cold and frosty snap from the 22nd to the 26th, resulting in the number of hours with air frost being only 6th lowest in the past 26 years. **Rainfall.** A little above average, but only highest since 2004. Most of the month's rain fell during two wet spells, the 6th to the 9th and the 16th to 17th, with the final 8 days of the month being dry. Snow fell on the 24th and 26th, and a depth of 2 cm was recorded at 0900 GMT on the 24th, although this had thawed by the end of the day. We have to look back to December 1999 to find a greater depth than this, when there was 3 cm on the 21st. Small hail fell during showers on the 1st. **Sunshine.** Although we ended the month with enough sunshine to qualify for the very sunny category, sunshine was generally below normal until the 19th, with several sunny days after that date pushing the total above normal. Overall there were 19 days with <3 hours and just 3 days with =>6 hours. **Wind.** This is the windiest January since 1995, with a mean speed of 10.0 mph. There was a notable wind storm on the 18th bringing down several large trees in the district. The mean speed that day was 18.7 mph, with a gust of 74 mph at 1352 GMT, the highest gust for any day since the 13th January 1993. The 30th was the least windy day, mean 2.9 mph, and there were 146 minutes (2.43 hours) with a mean speed of 0.5 mph or less. Daily mean direction/number of days : N,2 NE,2 E,0 SE,0 S,0 SW,19 W,7 NW,1. **Humidity.** The mean relative humidity was 82.9 %, with a minimum value of 44 % on the 25th. The mean weight of water vapour per kg of air was 5.5 g at both 0900 and 1500 GMT. **Commentary. From the 1st to the 10th :** Mean anomalies (max, min, rain, sun), +3.8°, +4.9°, 212 %, 95 %. Mild throughout with daily anomalies for max in range +6.2° on the 9th to +2.2° on the 2nd, and for min, +8.6° on the 10th to +3.1° on the 2nd. Quite wet, with a total of 41.7 mm, and 14.6 mm on the 6th, the month's wettest day, also 33.6 mm for the period 6th to the 9th inc. Sunshine was meagre, with 6 days having <5 % of the maximum. Winds were SW'ly throughout, mainly fresh, but strong after the 8th, and temporarily light on the 6th. **From the 11th to the 20th :** Mean anomalies, +5.5°, +6.7°, 126 %, 103 % . Again very mild throughout, with daily anomalies for max ranging from +7.4° on the 18th, the month's mildest day, to +3.7° on the 20th, and for min, +9.4° on the 17th, the month's mildest night, to +3.5° on the 14th. 24.9 mm of rain in total and just 2 dry days. Sunshine variable, but sunny on the 14th and 20th. SW'ly winds were very strong on the 11th, then moderate or fresh until 16th, increasing to near gale on the 18th, decreasing fresh or strong thereafter. **From the 21st to the 31st :** Mean anomalies +0.5°, +0.2 °, 12 %, 163 %. This was by far the coldest period of the month, yet overall temperatures were close to normal. A cold snap saw daily anomalies for max of –3.6° on the 23rd, the month's coldest day, but up to +3.7° on the 31st. For min, the daily anomalies ranged from –4.4° on the 26th, the month's coldest night, to +5.6° on the 30th. Mostly dry, just a little rain on the 21st, and 1.4 mm on the 23rd that fell as snow. Much improved sunshine figures, 5 reasonably sunny days, and 7.8 hours on the 31st, the month's sunniest day. Strong SW'ly winds on the 21st veered N'ly on the 22nd, dropped moderate on the 23rd, and became light or moderate W'ly from the 25th onwards.

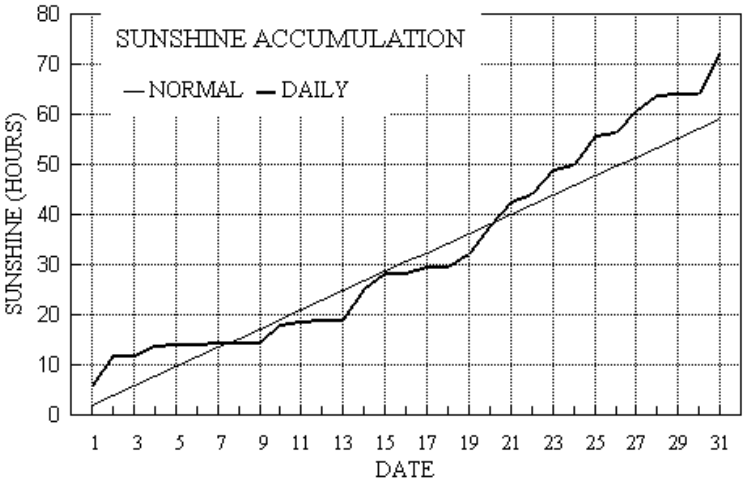
B J Burton.. FRMetS. Hon. Met. Officer to Wokingham Town Council.

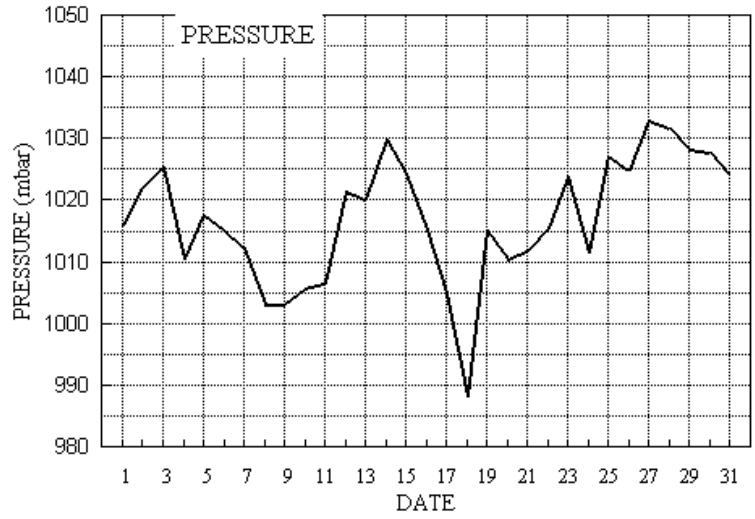
Wokingham Climatological Graphs for January 2007

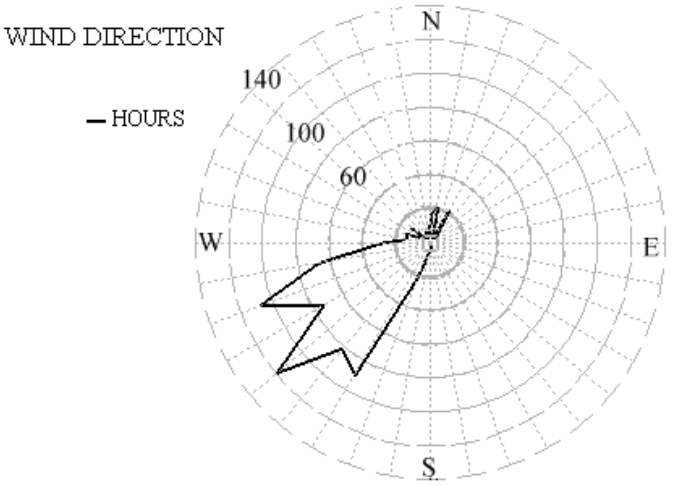


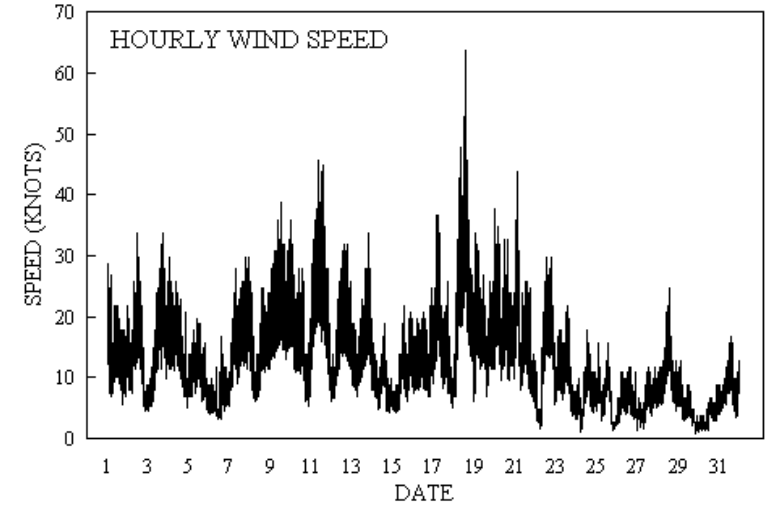


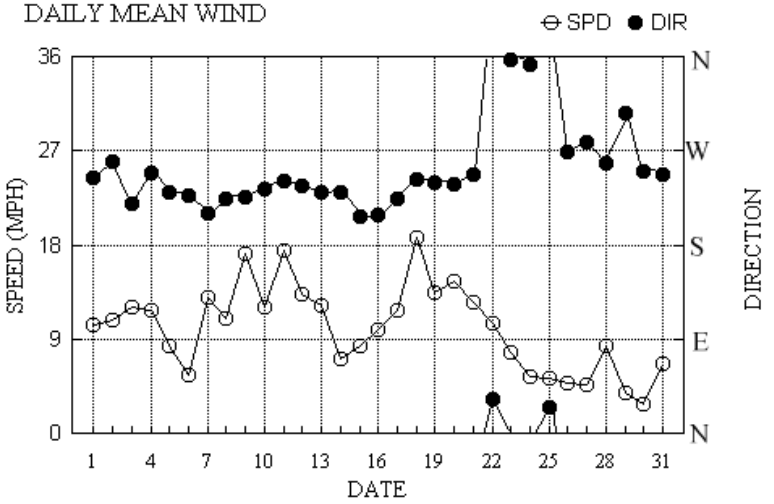












Daily meteorological data. Emmbrook, WOKINGHAM, Berkshire.

Month: JANUARY 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	9.9	5.1	4.6	2.8	8.2	9.8	5.6	0.0	1015.9	0 0 0 0		0 0 1 0		245	8.6	9.0	260	29	0041	250	15	00	2.2
2	9.8	4.3	0.3	0.5	7.6	9.9	6.2	0.0	1022.0	0 0 0 0		0 0 0 0		260	9.1	9.4	270	34	1147	270	14	11	0.7
3	11.6	4.3	2.3	-1.1	7.1	9.9	0.0	0.0	1025.4	0 1 0 0		0 0 0 0		219	10.4	10.5	210	34	1755	210	15	17	1.8
4	10.4	8.4	tr	5.6	7.8	9.8	2.1	0.0	1010.5	0 0 0 0		0 0 0 0		249	10.1	10.1	240	30	0125	250	14	08	0.0
5	11.7	8.1	0.5	5.4	7.8	9.8	0.3	0.0	1017.7	0 0 0 0		0 0 0 0		231	7.2	7.3	240	20	1016	230	10	11	1.6
6	10.5	4.9	14.6	-1.5	7.9	9.8	0.0	0.0	1015.2	0 1 0 0		0 0 0 0		227	2.8	4.8	320	17	1448	330	7	15	5.4
7	11.5	4.8	4.9	-0.6	7.6	9.8	0.1	0.0	1012.4	0 1 0 0		0 0 0 0		211	11.2	11.3	200	30	1942	200	14	22	6.3
8	13.3	6.0	1.2	2.1	8.1	9.8	0.1	0.0	1003.1	0 0 0 0		0 0 0 0		225	9.0	9.5	200	25	1410	210	13	14	2.4
9	13.6	6.7	12.9	9.5	8.4	9.8	0.1	0.0	1003.0	0 0 0 0		0 0 0 0		226	14.8	14.9	230	39	1224	230	17	12	4.8
10	11.0	10.2	0.4	8.8	9.1	9.9	3.5	0.0	1005.8	0 0 0 0		0 0 0 0		234	9.5	10.5	210	32	0240	210	16	02	0.5
11	12.9	4.7	0.8	-0.4	8.5	10.0	0.7	0.0	1006.5	0 1 0 0		0 0 0 0		241	14.7	15.2	230	46	0813	250	20	12	1.3
12	13.5	7.1	tr	2.3	8.4	10.1	0.1	0.0	1021.4	0 0 0 0		0 0 0 0		236	11.3	11.6	250	32	1403	250	15	14	0.0
13	11.5	9.9	0.9	9.0	8.8	10.1	0.2	0.0	1020.0	0 0 0 0		0 0 0 0		231	10.1	10.5	260	34	2008	230	15	19	0.8
14	10.7	3.9	0.0	-0.6	8.8	10.1	6.1	0.0	1029.9	0 1 0 0		0 0 0 0		230	6.0	6.2	240	19	1433	250	9	13	0.0
15	11.4	4.0	2.0	-1.2	7.9	10.2	3.3	0.0	1024.4	0 1 0 0		0 0 0 0		207	7.2	7.2	210	22	1225	210	12	12	2.2
16	12.0	7.8	6.7	7.0	8.0	10.1	0.0	0.0	1015.1	0 0 0 0		0 0 0 0		209	8.6	8.6	210	25	2131	210	12	21	5.0
17	12.9	10.3	9.9	8.3	8.5	10.1	1.1	0.0	1005.0	0 0 0 0		0 0 0 0		224	9.9	10.2	210	37	0542	210	16	05	9.2
18	14.2	7.2	1.3	5.8	8.6	10.1	0.1	0.0	988.1	0 0 0 0		0 0 0 0		243	15.6	16.2	260	64	1352	260	26	13	3.3
19	13.3	9.8	2.1	7.5	8.9	10.1	2.5	0.0	1015.1	0 0 0 0		0 0 0 0		240	11.2	11.6	250	34	0142	260	15	03	1.7
20	10.5	8.6	1.2	7.5	9.3	10.2	5.5	0.0	1010.4	0 0 0 0		0 0 0 0		238	12.3	12.6	240	38	0151	230	17	03	0.7
21	8.5	4.5	1.1	1.3	8.7	10.3	4.9	0.0	1011.8	0 0 0 0		0 0 0 0		247	10.7	10.9	250	44	0247	250	20	02	1.0
22	6.5	1.2	tr	-3.1	7.8	10.3	1.6	0.0	1015.5	0 1 0 0		0 0 0 0		32	7.7	9.2	40	30	1315	40	15	13	0.1
23	4.0	-0.1	1.4	-4.5	7.1	10.2	4.8	5.3	1023.9	1 1 0 0		0 0 0 0		357	6.2	6.8	360	22	1348	360	10	11	xx
24	4.4	-1.4	tr	-5.6	6.2	10.0	0.9	6.9	1011.5	1 1 1 1		0 0 0 0		353	3.8	4.7	10	18	1236	10	8	14	xx
25	5.3	-2.1	tr	-8.2	5.8	9.8	5.8	11.6	1027.2	1 1 0 0		0 0 0 0		25	3.8	4.5	50	16	1214	30	9	13	xx
26	7.6	-3.4	tr	-8.7	5.0	9.5	0.6	4.0	1024.7	1 1 1 0		0 0 0 0		269	3.6	4.1	300	12	1352	300	7	13	xx
27	9.7	0.9	0.0	-4.2	5.3	9.2	4.4	0.0	1033.0	0 1 0 0		0 0 0 0		279	3.5	4.0	290	12	1218	260	6	21	0.0
28	9.7	2.5	0.0	-0.9	5.6	9.0	3.1	0.0	1031.7	0 1 0 0		0 0 0 0		259	7.2	7.2	270	25	1408	270	12	13	0.0
29	9.8	5.9	0.1	5.9	6.1	8.9	0.5	0.0	1028.3	0 0 0 0		0 0 0 0		306	3.1	3.3	290	13	0224	290	6	00	0.0
30	8.1	6.6	0.0	3.9	6.7	8.9	0.0	0.0	1027.7	0 0 0 0		0 0 0 0		251	2.2	2.5	250	9	2225	250	4	22	0.0
31	11.3	1.8	0.0	-3.2	6.7	8.9	7.8	0.0	1024.1	0 1 0 0		0 0 0 0		248	5.6	5.7	270	17	1410	270	9	14	0.0
Total			69.2				72.0	27.8															51.0
Mean	10.4	4.9		1.6	7.6	9.8	2.32	0.9	1017.0					240	6.8	8.7							
Anom	+2.9	+3.4	113%		+2.4	+2.5	122%		+1.0														

Daily mean 7.6 Pressure, abs highest = 1035.1 on 28

Anom +3.1 Pressure, abs lowest = 987.4 on 18

Number of days with:

Air frost = 4 Ground frost = 14 Nil sun = 4

Snow falling = 2 Snow lying = 1 Thunder = 0

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 JANUARY 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	82	1	25	09	13	6.4	3.3	81	4.8	1015.9	3	047	01	1	1	0	0	9	0	3	81070			1	
2	80	4	26	11	26	6.5	2.4	75	4.5	1022.0	3	017	03	0	0	1	8	5	3	2	81820	83075		2	1Sc45 1Ac62 COTRA Cu fra
3	65	8	21	10	18	9.7	8.0	89	6.6	1025.4	7	022	60	6	2	7	5	4	7	/	81715	83620	86656	3	/Ac58 8As62
4	82	1	25	14	26	8.7	4.6	76	5.3	1010.5	1	014	02	1	1	1	5	6	0	0	81645			4	
5	82	7	22	08	14	9.2	7.3	88	6.3	1017.7	7	003	03	6	2	6	5	4	3	1	82615	85635		5	2Sc20 1Ac68 1Ci72 4Ci80 COTRA
6	50	8	19	05	11	8.0	7.4	96	6.4	1015.2	6	019	58	6	5	8	5	2	/	/	83705	85625	88645	6	2Sc015
7	59	8	22	08	21	9.8	8.6	92	7.0	1012.4	6	002	58	6	5	7	5	4	7	/	82615	85618	87630	7	/Ac60
8	78	7	21	07	13	6.7	5.1	90	5.5	1003.1	1	008	03	1	1	3	8	6	7	2	81830	83640	87070	8	3As62 /Ac65 COTRA. Parhelion
9	80	6	23	14	29	12.3	8.5	78	7.0	1003.0	3	012	02	2	2	6	8	5	0	0	83825	84645		9	Cu hum
10	72	7	22	11	22	10.5	8.3	86	6.8	1005.8	3	010	01	6	2	2	8	4	7	1	82815	86462		10	1Sc30 /Ac84 /Ci75 Cu fra/hum
11	59	8	23	21	38	10.7	8.7	87	7.0	1006.5	7	033	60	6	5	8	5	4	/	/	86618	88625		11	
12	61	8	22	12	24	10.3	6.7	78	6.1	1021.4	7	009	03	2	2	8	5	5	/	/	86620	88630		12	
13	86	7	22	10	19	10.4	7.9	85	6.6	1020.0	8	008	02	5	2	7	5	4	/	/	83615	87620		13	
14	75	5	21	06	09	4.0	2.0	87	4.3	1029.9	1	023	03	1	1	0	0	9	0	1	85072			14	COTRA
15	73	7	21	08	14	8.6	5.7	82	5.6	1024.4	6	012	03	2	2	7	8	6	/	/	81835	87645		15	Cu hum
16	40	8	20	09	18	10.7	9.7	94	7.5	1015.1	7	002	63	6	6	7	7	3	2	/	83707	87712	88520	16	
17	62	8	23	12	23	10.4	8.4	87	6.9	1005.0	5	005	61	6	2	4	8	4	2	/	81815	84640	88550	17	
18	56	8	23	19	37	12.8	11.3	91	8.6	988.1	6	021	51	6	5	8	5	4	/	/	82712	85615	88620	18	
19	82	3	25	11	21	10.3	6.7	78	6.1	1015.1	2	051	02	0	0	1	1	4	0	2	81818	83072		19	1Ac69 COTRA Cu fra Parhelion
20	86	7	24	10	19	8.7	5.4	80	5.6	1010.4	1	019	01	6	2	2	8	4	2	2	81818	86458	86070	20	2Sc56 Cu fra/hum
21	70	7	24	08	19	4.9	2.7	86	4.6	1011.8	3	016	80	8	1	6	9	4	6	3	81715	86930		21	/Ac60 /Ci70 Rainbow Parhelion
22	60	7	03	10	16	3.4	2.4	93	4.5	1015.5	3	024	21	6	2	7	5	3	/	/	83708	87620		22	/Sc50
23	86	1	36	07	14	0.2	-3.1	79	2.9	1023.9	7	002	02	1	1	1	8	5	0	1	81825			23	1Sc30 1Ci75 Cu hum
24	40	8	36	05	11	1.0	0.5	96	3.9	1011.5	2	006	50	7	5	8	5	2	/	/	87705	88620		24	Sn ly 2cm
25	80	3	03	06	08	-0.8	-2.1	91	3.2	1027.2	2	030	02	0	0	1	8	6	0	1	81830	83078		25	1Sc45 COTRA Hoar slt Gnd sfc frzn
26	60	7	25	04	10	2.1	-0.4	84	3.6	1024.7	5	001	60	7	6	7	5	5	/	8	81620	85625	87645	26	/Cs75 Gnd sfc frzn
27	59	1	30	03	05	2.5	1.7	95	4.2	1033.0	2	023	10	0	0	0	0	9	0	1	81078			27	Hoar slt
28	86	7	25	09	17	5.9	1.1	71	4.0	1031.7	7	002	02	2	2	7	5	6	/	/	87632			28	
29	70	7	32	03	06	7.8	5.3	84	5.5	1028.3	3	007	02	2	2	7	5	6	/	/	82630	87640		29	
30	50	8	24	01	03	6.8	5.4	91	5.5	1027.7	1	003	05	5	2	8	5	6	/	/	88635			30	
31	61	1	23	06	10	3.7	0.8	81	4.0	1024.1	7	002	03	0	0	1	0	9	4	2	81368			31	1Ci75 Hoar slt

Mean vis = 24.1 km
Mean cloud = 5.9 74%
Mean wind speed = 8.9 kn
Mean gust = 17 kn
Mean TT = 7.2 C
Mean TdTd = 4.8 C
Mean RH = 85.5 %
Mean r = 5.5 g/kg
Mean PPP = 1017.0 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 JANUARY 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	78	7	22	09	20	9.0	3.6	69	4.9	1015.0	8	020	03	1	1	4	0	9	7	8		84465	87270		1	1Ac68
2	80	6	28	11	23	9.1	3.2	66	4.7	1025.2	3	020	03	2	2	1	8	5	0	1		81825	85078		2	1Sc35 COTRA Cu fra
3	62	8	22	12	26	10.8	8.9	88	7.0	1018.8	6	036	50	5	2	8	5	4	/	/		82712	87615	88625	3	
4	84	7	26	10	23	10.1	5.4	73	5.6	1015.0	3	014	02	2	2	7	8	5	/	2		81822	83828	87645	4	/Ci75 Cu hum
5	58	8	21	06	11	11.0	10.4	96	7.8	1015.9	7	011	51	5	2	8	7	3	/	/		86706	88710		5	
6	30	8	31	10	18	7.2	6.8	97	6.1	1010.2	5	012	65	6	2	6	7	1	2	/		82702	85705	88525	6	
7	58	8	21	12	23	10.4	8.3	87	6.8	1007.7	7	029	58	6	5	7	5	4	/	1		82712	85615	87645	7	/Ci75
8	56	8	21	13	24	10.3	9.4	94	7.4	997.2	6	035	51	6	5	8	5	3	/	/		84708	87612	88620	8	
9	65	8	23	15	31	13.3	10.7	84	8.0	1004.9	2	008	50	5	2	8	5	4	/	/		87615	88625		9	
10	86	1	27	13	26	8.6	2.3	64	4.5	1014.8	2	044	01	1	1	1	8	6	0	0		81830			10	1Sc40 Cu hum
11	61	5	26	15	44	12.0	5.1	63	5.5	1007.5	3	032	25	8	2	5	2	6	6	0		85830			11	1Ac57 jpN
12	88	7	25	15	30	13.2	9.1	76	7.1	1019.2	6	009	01	2	2	7	8	5	0	1		85822	83630	86078	12	COTRA Cu hum
13	88	7	24	13	26	11.0	8.3	83	6.8	1015.0	6	026	01	5	2	7	8	5	/	1		82822	87640		13	/Ci75
14	82	3	24	08	19	8.8	3.6	70	4.8	1029.3	6	009	02	1	1	2	8	5	0	1		81828			14	2Sc45 2Ci78 COTRA Cu med
15	88	7	21	08	17	9.1	3.0	66	4.6	1020.0	7	027	02	1	1	7	5	6	/	/		81640	87645		15	
16	58	8	20	07	14	10.6	9.8	95	7.5	1012.7	7	018	58	6	5	8	5	3	/	/		82708	87712	88615	16	
17	80	7	24	12	24	9.5	5.0	73	5.5	1006.0	3	005	03	1	1	2	8	5	0	6		81825	86275		17	1Sc30 1Sc45 COTRA Cu med Halo 22° part
18	65	7	26	24	51	12.2	5.1	62	5.6	993.4	3	048	15	2	2	6	8	6	/	1		85830			18	2Sc40 /Ci75 jpW
19	84	7	24	10	18	12.7	9.4	80	7.3	1017.6	8	003	03	2	2	3	8	5	7	2		81825	83630	86367	19	/Ci72 Cu hum
20	81	2	25	14	28	8.9	2.9	66	4.7	1012.8	3	002	15	0	0	2	2	6	6	0		82830			20	1Ac58 Cu med jpSW
21	80	4	25	12	26	7.6	1.2	64	4.1	1013.0	0	001	15	0	0	3	8	6	0	1		83835			21	1Sc40 2Ci70 Cu med jpNW
22	84	7	05	16	35	5.1	-1.0	65	3.5	1019.5	3	019	02	2	2	2	2	6	7	2		82830	86070		22	2Ac62 Cu med
23	84	5	36	10	18	2.9	-2.1	70	3.2	1019.6	7	023	02	1	1	5	1	5	0	0		85825			23	Cu hum
24	86	3	01	07	13	4.1	0.0	75	3.8	1012.8	2	001	01	1	1	3	2	5	0	1		83820			24	1Ci78 Cu hum All lyng sn thawed
25	86	1	02	07	12	4.3	-4.1	55	2.8	1027.9	7	006	02	0	0	1	8	6	0	1		81840			25	1Sc50 1Ci78 Cu hum
26	70	7	31	06	11	7.4	4.0	79	5.0	1024.0	6	005	01	2	2	7	8	5	/	1		81820	83635	87650	26	Cu fra
27	82	7	29	03	09	8.9	4.7	75	5.2	1033.6	7	005	03	2	2	7	8	5	/	/		82825	87640		27	Cu hum
28	86	7	27	10	21	9.0	4.1	71	5.0	1028.2	7	013	02	2	2	7	8	5	/	/		81828	87635		28	Cu fra
29	59	6	32	03	07	9.3	6.9	85	6.1	1027.8	7	008	05	5	2	6	8	4	0	0		82815	83622		29	3Sc45
30	60	8	25	04	07	7.8	5.1	83	5.4	1026.2	5	009	02	2	2	8	8	5	/	/		81820	88635		30	Cu fra
31	78	6	26	10	23	10.5	5.8	73	5.7	1023.1	7	004	02	1	1	1	1	5	4	1		81825	86075		31	2Ac62 Cu fra

Mean vis = 33.4 km
Mean cloud = 6.1 77%
Mean wind speed = 10.5 kn
Mean gust = 22 kn
Mean TT = 9.2 C
Mean TdTd = 5.0 C
Mean RH = 75.7 %
Mean r = 5.5 g/kg
Mean PPP = 1016.6 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
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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 AWS Psychrometer, 1min readings

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

JANUARY 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	6.8	9.6	1414	4.2	2250	80.7	94.0	1832	67.2	1109		0	0	0	600	623	217
02	6.7	9.5	1354	4.1	2303	76.1	88.8	2359	65.4	1325		0	0	0	1138	302	0
03	9.4	11.5	1310	4.5	1	87.7	93.2	1936	80.7	1310		0	0	0	0	1144	296
04	9.4	10.9	27	8.2	2358	78.4	88.3	236	71.3	1403		0	0	0	948	492	0
05	9.2	11.6	1250	5.1	2358	89.3	96.2	1452	82.4	1222		0	0	0	0	809	631
06	6.5	8.2	1339	4.7	2303	94.8	98.2	1232	90.1	517		0	0	0	0	0	1440
07	9.6	11.4	1330	5.9	28	88.6	94.2	4	79.4	1329		0	0	0	10	816	614
08	9.8	13.1	2010	5.8	755	90.3	95.2	1708	83.1	445		0	0	0	0	739	701
09	12.7	13.5	1440	11.9	724	81.8	92.0	2251	75.6	600		0	0	0	627	766	47
10	8.8	13.1	41	4.6	2016	80.8	94.8	350	61.7	1530		0	0	0	704	393	343
11	9.9	12.7	1245	6.8	2	74.5	92.4	1157	61.5	1409		0	0	0	1016	345	79
12	10.7	13.4	1408	6.9	45	82.4	91.7	2316	75.9	1508		0	0	0	409	955	76
13	10.4	11.4	1914	7.1	2353	86.3	95.8	217	66.1	2147		0	0	0	263	619	558
14	6.2	10.0	1252	3.7	833	80.6	91.9	2400	65.9	1253		0	0	0	684	671	85
15	8.1	10.8	1232	4.4	1	81.3	94.2	2253	55.5	1217		0	0	97	297	857	189
16	10.7	11.1	1308	10.1	1935	92.1	95.5	824	83.0	2206		0	0	0	0	337	1103
17	9.5	11.8	717	7.0	2313	83.3	92.9	751	69.2	1929		0	0	0	542	685	213
18	11.3	14.2	1154	7.1	37	81.4	96.7	2357	58.0	1346		0	0	44	579	144	673
19	12.2	13.2	2143	9.9	1	82.6	96.8	10	72.4	1225		0	0	0	535	695	210
20	9.1	13.1	4	6.1	2257	78.2	92.4	547	57.1	1343		0	0	74	727	534	105
21	5.8	8.3	1425	3.2	2239	74.9	88.5	911	57.3	1352		0	0	79	871	490	0
22	3.2	6.3	1302	0.2	2352	78.6	96.4	612	58.9	1350		0	0	9	755	228	448
23	1.0	3.8	1424	-1.4	2257	80.0	90.5	219	65.5	1425		0	0	0	865	546	29
24	1.2	4.2	1402	-1.5	19	89.0	97.9	539	73.9	1503		0	0	0	182	468	790
25	0.5	4.9	1343	-2.8	2335	80.1	94.7	720	49.3	1433		0	0	257	159	725	299
26	3.6	7.5	1514	-3.3	25	84.3	96.0	2400	76.1	525		0	0	0	306	984	150
27	6.1	9.4	1345	0.7	840	86.2	98.8	846	72.7	1615		0	0	0	427	465	548
28	7.0	9.4	1442	4.2	2	75.5	86.3	2	66.6	1212		0	0	0	1193	247	0
29	8.3	9.5	1413	7.1	2338	84.8	96.3	2353	75.8	45		0	0	0	251	934	255
30	7.0	7.9	1236	5.1	2312	85.6	96.1	110	70.4	2011		0	0	0	311	529	600
31	6.1	11.0	1337	1.7	532	83.2	96.6	2400	67.9	1311		0	0	0	525	630	285
Mean	7.6	10.2		4.5		83.0	94.0		69.5			0.00	0.00	0.30	8.02	9.77	5.91
Hi	12.7	14.2		11.9		94.8	98.8		90.1	Tot	0	0	0	560	14924	18172	10984
Lo	0.5	3.8		-3.3		74.5	86.3		49.3								

Note : This data is from the AWS aspirated HMP45 temperature and humidity probe.
This is an instrument change from the previous psychrometric data, and is also a site change, being located at the Wokingham Climatological Station new site.