

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

MAY 2008

Temperature (°C / °F)			Anomaly	Rank in past 127 years			
Mean maximum	20.1	68.2	+3.1	3 rd highest			
Mean minimum	8.8	47.8	+1.8	3 rd highest			
Daily mean	14.4	57.9	+2.4	Equal highest with 1992			
Highest maximum	27.4	81.3	on 11 th	Lowest maximum	12.9	55.2	on 26 th
Highest minimum	12.9	55.2	on 9 th	Lowest minimum	0.8	33.4	on 19 th
Mean grass minimum	6.1	43.0		Lowest grass minimum	-3.0	26.6	on 19 th
Mean earth @30 cm	14.6	58.3	+1.5	Earth @100 cm	13.6	56.5	
Frost duration (hrs)	0.0			Rain duration (hrs)	51.2		
Rainfall total (mm / in)	66.5	2.62	132 %	32 nd highest			
Highest daily fall	19.4	0.76	on 26 th				
Number of: Dry days (<0.2mm)	16	Wet days (>0.9mm)	9	days ≥5mm	4		
Sunshine total (hrs)	187.4	Daily mean	6.05	110 %	Sunniest day	14.4	on 13 th
N° days with: Air frost	0	Ground frost	5	Snow falling	0	Snow lying	0
Thunder	1	Hail ≥5mm	1	Small hail/ice	0	Fog @09	0
						Nil sun	6
Air pressure MSL : Mean @09 GMT (mbar/in)	1015.3		-0.6	29.98			
Absolute highest	1026.2			30.30		on 5 th	
Absolute lowest	999.8			29.52		on 1 st	

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

Notes:

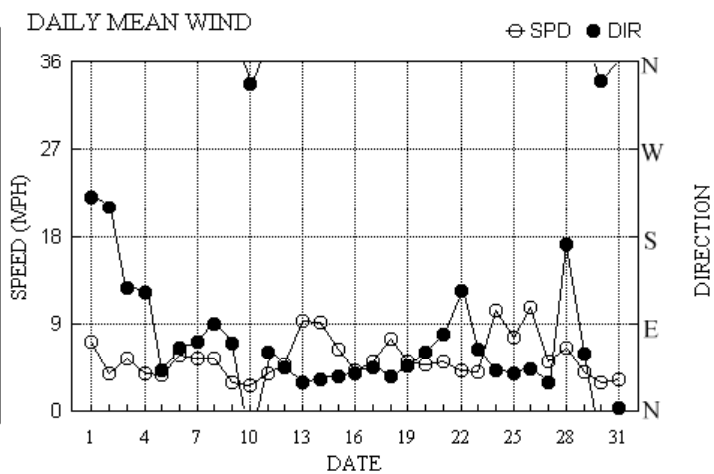
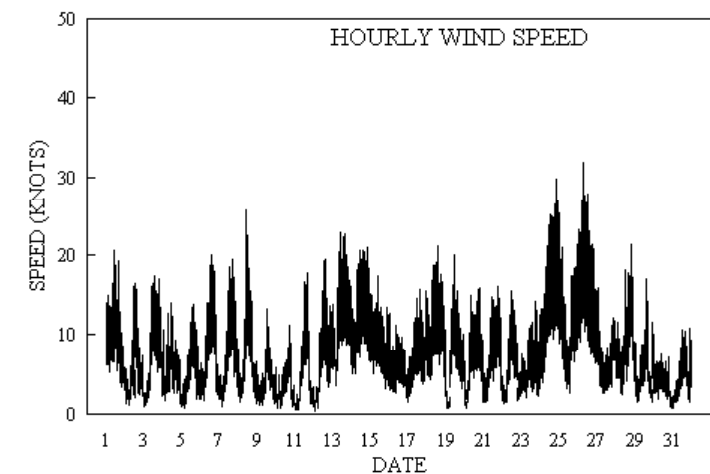
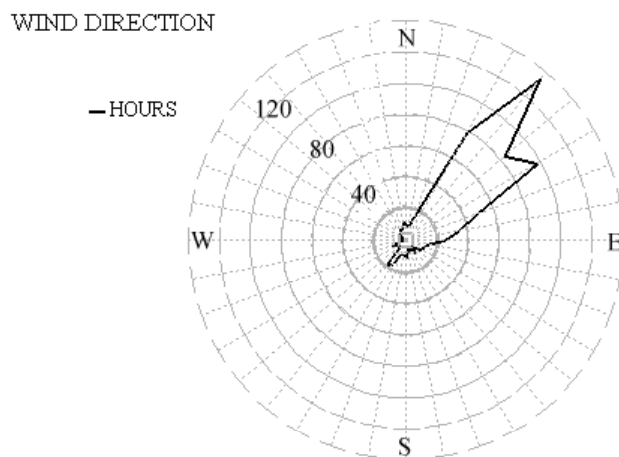
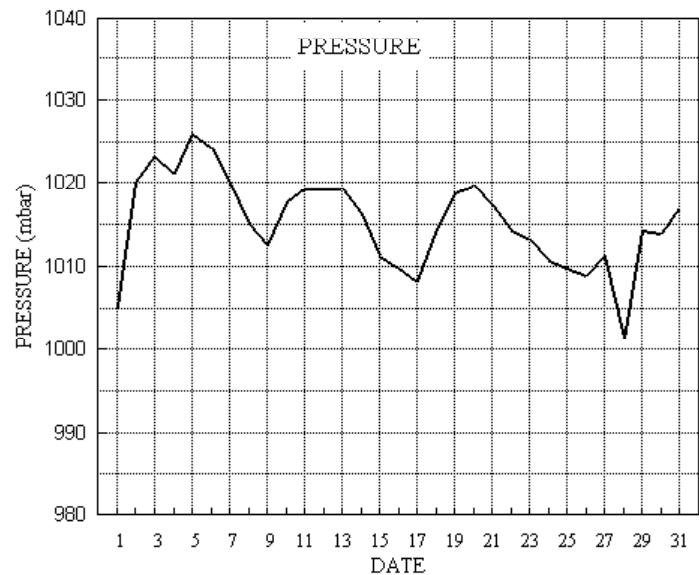
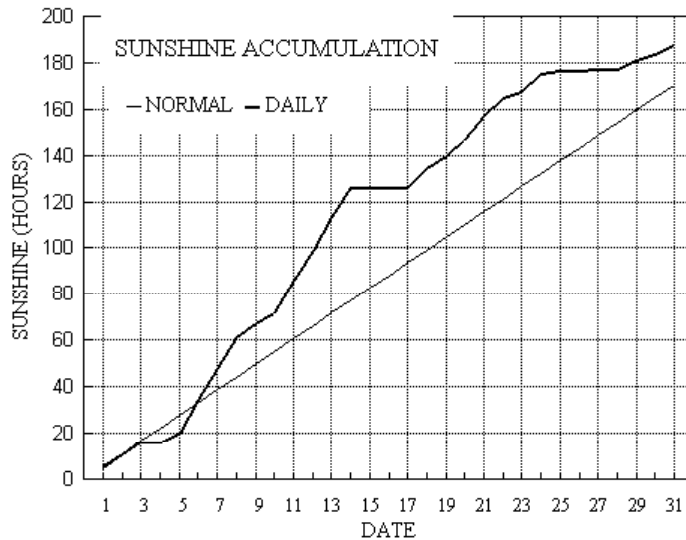
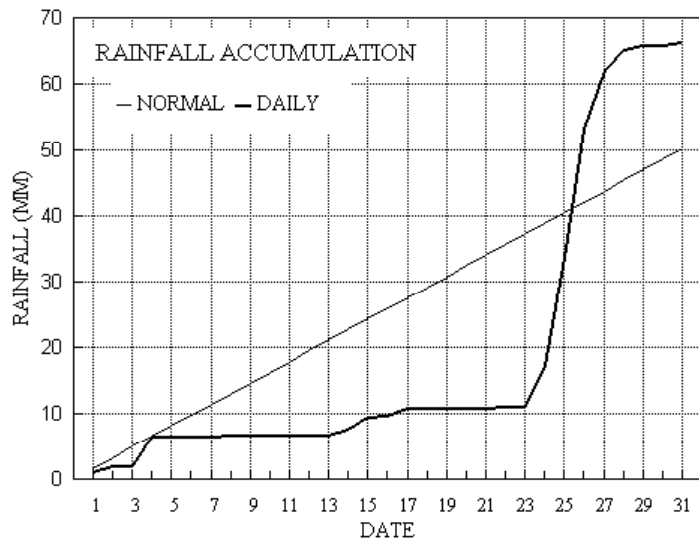
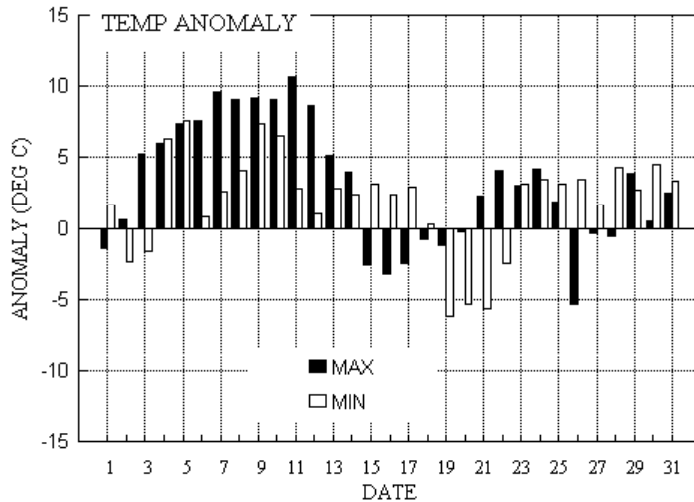
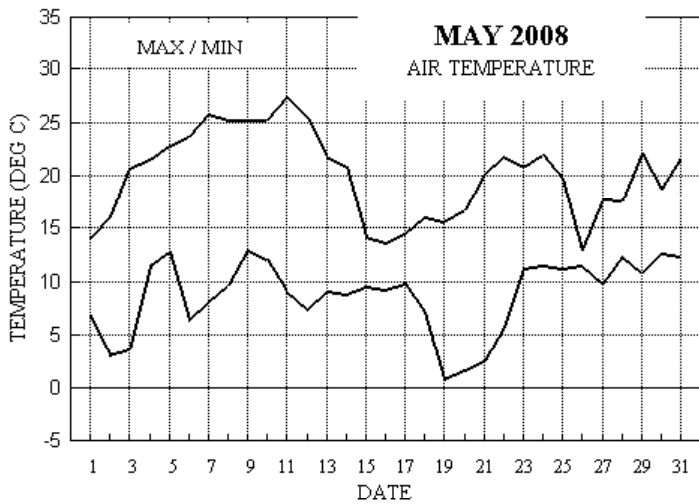
Near Record Temperatures. Wet. Near Normal Sunshine.

Temperature : The mean temperature this May is equal highest with 1992 since before 1882. For the mean maximum, the ranking is 3rd highest after 1989 and 1992. The mean minimum also ranks 3rd highest, after 1999 and 1998. The highest max is 2.2° above the median, but in recent years was exceeded in 2003 and 2005. The lowest max is 1.9° above the median while the highest min is 0.4° above its median. The lowest min is 0.3° above the median. In the past 105 years there have been 42 Mays with an air frost, but the last was in 2005. This May there were, however, 5 nights with ground frost, which is about normal, the last being on the 21st. Earth temperatures were well above average. **Rainfall :** Despite the total being 22.4 mm above the long-term median, this is the driest May since 2005. 76 % of the month's total fell on just 4 days, a particularly wet period from the 24th to 27th when 50.8 mm of rain fell. The rest of the month was in general dry, and a 5 day dry spell ended on the 13th. Thunder occurred on the 1st, and also hail of 1 cm diameter fell during that day. **Sunshine :** Although the month ended up with sunshine a little above normal, the period 6th to 14th produced a surplus which managed to offset the rather poor showing during the second half of the month. The number of sunless days is 4 above average and is most since 1994. Overall there were 10 days with <3 hours, 12 with =>6 hours, 8 with =>9 hours and 7 with =>12 hours. **Wind :** The overall mean wind speed was 5.4 mph, 1.2 mph below average and second lowest after 2004 in the past 21 years. The 26th was the windiest day, mean speed 10.6 mph, and the highest gust of 37 mph was on that day. The least windy day was the 10th, mean 2.6 mph, and there were 1189 minutes, 19.8 hours, with a speed of 0.5 mph or less. Daily mean direction/number of days: N,3 NE,18 E,4 SE,3 S,1 SW,2 W,0 NW,0. The number of days with NE wind is most for any month since before Dec 87. **Humidity :** The overall mean relative humidity was 72.9 %, and the lowest was 25 % on the 11th. The mean water vapour content per kg of air was 7.5 g at 0900 GMT and 6.9 g at 1500 GMT. **Commentary :** The first couple of days had normal temperature and sunshine, a little rain and a light or moderate SW'ly wind. The period 3rd to 14th was warm, sunny and mostly dry. Winds were generally NE'ly light or moderate, but SE'ly on the 3rd and 4th. A short cool snap followed, the 15th to 17th were also sunless and there was some rain too. Winds continued light NE'ly. From the 18th to 23rd daytime temperatures and sunshine were near normal but there were some cool nights, and there was a ground frost from the 19th to 21st. It was mostly dry and winds continued light NE'ly. The period 24th to the 28th was very wet, the 5 days produced 54.0 mm. There was little sunshine, but apart from a cold day on the 26th temperatures were near normal. NE'ly winds were fresh on the 24th and 26th, and temporarily veered S'ly on the 28th. The remaining days were slightly warmer than normal, but it was rather dull with a little rain. Winds became light and variable or N'ly.

Mean anomalies for the specified periods (max, min, rain, sun).

1 st to the 10 th				11 th to the 20 th				21 st to the 31 st			
+6.2°	+3.3°	43 %	131 %	+1.8°	+0.6°	25 %	136 %	+1.5°	+2.0°	315 %	67 %

Wokingham Climatological Graphs for May 2008



Month: May 2008

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	14.1	6.9	1.1	5.5	11.0	11.5	5.3	0.0	1005.1	0 0 0 0	1 1 0 0			221 5.8 6.1	265 21 1014	216 9 11	1.1	
2	16.1	3.0	0.8	-1.6	11.1	11.5	5.9	0.0	1020.1	0 1 0 0	0 0 0 0			211 2.8 3.4	266 17 1236	201 7 11	0.6	
3	20.7	3.7	tr	-0.6	11.4	11.6	5.2	0.0	1023.4	0 1 0 0	0 0 0 0			126 4.1 4.8	157 18 1333	154 9 11	0.1	
4	21.5	11.6	4.6	10.4	12.0	11.6	0.0	0.0	1021.1	0 0 0 0	0 0 0 0			122 2.2 3.4	108 14 1038	143 6 11	7.3	
5	22.8	12.8	tr	11.9	12.7	11.8	3.8	0.0	1026.1	0 0 0 0	0 0 0 0			42 2.5 3.2	36 14 1427	52 6 12	0.1	
6	23.7	6.4	0.0	2.2	13.3	11.9	14.2	0.0	1024.3	0 0 0 0	0 0 0 0			65 4.8 4.9	67 20 1431	73 9 15	0.0	
7	25.8	8.2	0.0	4.0	13.9	12.2	13.4	0.0	1020.0	0 0 0 0	0 0 0 0			71 4.4 4.7	67 20 1647	71 9 16	0.0	
8	25.2	9.7	0.2	5.7	14.4	12.5	13.8	0.0	1015.0	0 0 0 0	0 0 0 0			89 4.3 4.7	78 26 1019	88 10 10	0.3	
9	25.3	12.9	0.0	9.1	14.9	12.5	5.5	0.0	1012.5	0 0 0 0	0 0 0 0			69 2.0 2.6	66 13 1246	50 6 13	0.0	
10	25.2	12.1	0.0	9.4	15.5	13.0	4.9	0.0	1017.7	0 0 0 0	0 0 0 0			338 1.4 2.3	304 11 1612	314 6 16	0.0	
11	27.4	9.2	0.0	5.6	15.7	13.3	14.0	0.0	1019.3	0 0 0 0	0 0 0 0			61 2.9 3.3	70 18 1512	62 8 15	0.0	
12	25.4	7.4	0.0	3.6	16.0	13.6	13.1	0.0	1019.3	0 0 0 0	0 0 0 0			45 3.9 4.2	29 20 1415	57 7 13	0.0	
13	21.9	9.2	0.0	5.5	16.1	13.9	14.4	0.0	1019.4	0 0 0 0	0 0 0 0			30 8.0 8.0	30 23 0935	24 11 18	0.0	
14	20.8	8.8	0.9	5.4	16.2	14.1	12.6	0.0	1016.2	0 0 0 0	0 0 0 0			32 7.9 7.9	29 21 1902	27 10 18	2.1	
15	14.2	9.5	2.0	8.9	16.2	14.3	0.0	0.0	1011.2	0 0 0 0	0 0 0 0			35 5.5 5.6	27 18 1000	26 8 00	2.6	
16	13.7	9.3	0.1	9.1	15.5	14.5	0.0	0.0	1009.7	0 0 0 0	0 0 0 0			39 3.6 3.6	26 13 0013	30 6 00	0.4	
17	14.5	9.8	1.2	9.2	15.0	14.5	0.0	0.0	1008.2	0 0 0 0	0 0 0 0			45 4.4 4.4	66 16 1506	34 7 22	1.1	
18	16.1	7.2	0.0	5.6	14.8	14.5	8.4	0.0	1014.5	0 0 0 0	0 0 0 0			35 6.4 6.4	55 21 1403	35 9 10	0.0	
19	15.7	0.8	0.0	-3.0	14.6	14.5	5.4	0.0	1018.8	0 1 0 0	0 0 0 0			47 4.1 4.4	23 20 1004	35 8 09	0.0	
20	16.7	1.6	0.0	-2.8	14.2	14.5	6.8	0.0	1019.7	0 1 0 0	0 0 0 0			60 3.9 4.1	82 16 1810	66 6 08	0.0	
21	20.1	2.5	0.0	-1.7	14.1	14.4	10.5	0.0	1017.4	0 1 0 0	0 0 0 0			79 4.0 4.4	87 16 1830	83 7 18	0.0	
22	21.9	5.7	0.3	0.9	14.4	14.4	7.9	0.0	1014.3	0 0 0 0	0 0 0 0			124 2.4 3.7	152 16 1104	151 7 11	0.5	
23	20.8	11.2	tr	6.4	14.9	14.4	2.4	0.0	1013.3	0 0 0 0	0 0 0 0			63 3.4 3.5	70 14 1823	73 6 18	0.1	
24	22.0	11.5	6.0	5.6	15.0	14.5	7.9	0.0	1010.6	0 0 0 0	0 0 0 0			41 8.9 8.9	32 30 2048	30 13 20	6.1	
25	19.7	11.2	16.5	10.7	15.5	14.5	1.4	0.0	1009.8	0 0 0 0	0 0 0 0			38 6.6 6.6	29 22 0023	29 10 01	7.9	
26	12.9	11.5	19.4	11.4	15.5	14.7	0.0	0.0	1008.8	0 0 0 0	0 0 0 0			43 9.1 9.2	33 32 0656	40 12 07	11.6	
27	17.8	9.8	8.9	9.8	14.7	14.7	0.3	0.0	1011.3	0 0 0 0	0 0 0 0			29 4.3 4.4	32 16 0111	24 7 21	4.5	
28	17.6	12.4	3.2	13.4	15.3	14.8	0.0	0.0	1001.3	0 0 0 0	0 0 0 0			171 2.4 5.6	212 22 1917	207 10 19	3.0	
29	22.1	10.8	0.8	8.5	15.2	14.8	4.3	0.0	1014.3	0 0 0 0	0 0 0 0			58 2.4 3.4	88 17 1451	88 7 15	1.0	
30	18.7	12.6	0.0	12.2	16.0	14.9	2.2	0.0	1013.9	0 0 0 0	0 0 0 0			341 2.3 2.5	323 8 1042	324 4 10	0.0	
31	21.7	12.4	0.5	7.8	16.0	15.0	3.8	0.0	1017.0	0 0 0 0	0 0 0 0			3 1.9 2.9	64 11 2251	5 5 15	0.8	
Total			66.5				187.4	0.0										51.2
Mean	20.1	8.8		6.1	14.6	13.6	6.05	0.0	1015.3					51 3.2 4.7				
Anom	+3.1	+1.8	132%		+1.5	+2.3	110%											-0.6
Daily mean		14.4																
Anom		+2.4																

Number of days with:

Air frost = 0 Ground frost = 5 Nil sun = 6
Snow falling = 0 Snow lying = 0 Thunder = 1
Hail=>5mm = 1 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 MAY 2008

Date	VV	N	dd	ff	gg	TT	TdTd	RH	r	PPP	a	pppww	W1W2	NhCl	hCrCl	NChshs	NChshs	NChshs	Date	Remarks					
1	80	7	24	08	16	11.7	5.6	67	5.6	1005.1	1	021	03	2	2	3	2	5	0	1	83825	87075	1	Cu med COTRA Parhelion+U/a cont	
2	78	5	23	04	09	11.1	7.7	80	6.5	1020.1	1	011	25	8	2	4	2	4	6	1	84815		2	2Ac60 1Ci75 Cu con	
3	78	7	13	06	10	15.2	7.0	58	6.1	1023.4	8	007	01	2	2	1	0	9	7	8	81360	87273	3	1Ac63 COTRA Halo 22+parhelion	
4	70	8	13	03	09	17.0	8.3	56	6.7	1021.1	3	002	02	2	2	8	0	9	7	/	82359	88462	4		
5	61	8	03	02	07	14.8	13.8	94	9.6	1026.1	2	010	63	6	6	1	7	3	7	/	81708	86357	88560	5	
6	60	0	07	04	09	18.0	9.2	56	7.3	1024.3	8	014	05	0	0	0	0	9	0	0				6	
7	50	0	06	04	08	19.2	11.9	63	8.6	1020.0	8	005	05	0	0	0	0	9	0	0				7	
8	58	1	07	05	12	20.4	9.9	51	7.6	1015.0	7	012	05	0	0	0	0	9	0	1	81080			8	COTRA
9	57	7	03	02	03	17.5	13.1	75	9.3	1012.5	0	002	05	6	2	7	0	9	8	1	82358	86365		9	2Ac62 /Ci75 Ac cas
10	61	7	24	01	05	18.4	11.9	66	8.5	1017.7	2	010	02	2	2	6	0	9	8	1	81359	83362		10	3Ac65 /Ci75
11	60	4	05	05	09	20.1	10.5	54	8.0	1019.3	1	002	05	0	0	0	0	9	0	1	84080			11	Absent vv&cld est
12	61	2	05	05	10	18.9	11.2	61	8.3	1019.3	0	000	02	0	0	0	0	9	0	1	82080			12	COTRA
13	70	5	03	11	20	16.4	8.5	60	6.7	1019.4	8	002	03	1	1	1	0	9	8	1	81360	85080		13	COTRA Ac flo
14	65	3	03	09	19	15.1	9.2	68	7.2	1016.2	8	010	02	0	0	1	1	5	8	1	81820			14	2Ac62 2Ci80 COTRA Cu fra Ac cas
15	57	8	03	06	14	10.8	9.3	91	7.3	1011.2	3	002	61	6	2	7	5	4	2	/	82712	87615	88558	15	
16	30	8	03	03	06	10.2	9.2	94	7.3	1009.7	2	001	50	6	5	8	5	3	/	/	83706	87709	88615	16	
17	82	7	05	05	12	12.9	8.5	75	7.0	1008.2	2	005	03	2	2	7	8	4	3	/	83818	83635	85650	17	7Ac59 Cu hum/med
18	84	2	04	09	19	12.5	5.0	60	5.1	1014.5	2	010	03	0	0	2	1	6	3	1	82830			18	1Ac60 1Ci75 COTRA Cu hum
19	82	5	03	09	16	10.4	2.1	56	4.3	1018.8	2	001	03	1	1	5	8	6	0	0	84835			19	2Sc45 Cu med
20	78	2	06	06	14	12.8	5.1	59	5.5	1019.7	7	002	03	0	0	2	8	6	0	0	82830			20	1Sc56 Cu med
21	60	2	08	05	12	15.0	6.8	58	6.1	1017.4	8	005	05	0	0	1	1	6	0	1	81830			21	2Ci80 COTRA Cu fra
22	58	2	07	04	09	17.9	9.6	59	7.4	1014.3	7	005	05	0	0	2	0	9	8	0	82358			22	Ac cas
23	35	7	06	03	09	14.8	10.6	76	8.1	1013.3	1	004	05	6	2	1	5	7	8	/	81656	84358	87362	23	Ac cas
24	63	6	04	10	21	17.6	10.7	64	7.7	1010.6	8	006	02	2	2	1	0	9	4	1	81366	86080		24	COTRA
25	50	8	06	04	11	12.7	12.0	95	8.7	1009.8	1	014	60	6	2	7	7	2	2	/	82705	87707	88515	25	
26	45	8	05	12	26	11.6	10.6	94	7.9	1008.8	5	008	63	6	6	7	7	3	2	/	82706	86708	88520	26	
27	61	8	02	02	05	12.4	10.4	87	7.8	1011.3	0	004	01	2	2	8	8	4	/	/	81710	86812	88620	27	Cu fra/hum
28	33	8	10	02	07	16.4	15.6	95	11.1	1001.3	7	007	50	6	5	8	5	3	/	/	82707	87709	88615	28	
29	58	7	08	03	08	15.1	11.6	79	8.4	1014.3	1	004	05	4	2	2	6	3	0	1	82708	86078		29	COTRA U/a cont
30	62	8	36	03	07	14.4	11.9	85	8.7	1013.9	1	006	02	2	2	8	5	4	/	/	81712	86615	88620	30	
31	57	5	33	02	07	18.1	12.1	68	9.0	1017.0	2	003	05	1	1	5	8	5	0	0	85824			31	1Sc45 Cu med

Mean vis = 15.1 km
 Mean cloud = 5.3 67%
 Mean wind speed = 5.1 kn
 Mean gust = 11 kn
 Mean TT = 15.1 °C
 Mean TdTd = 9.6 °C
 Mean RH = 71.1 %
 Mean r = 7.5 g/kg
 Mean PPP = 1015.3 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 MAY 2008

Date	VV	N	dd	ff	gg	TT	TdTd	RH	r	PPP	a	pppwwW1W2	NhCl	hCrCl	NChshs	NChshs	NChshs	Date	Remarks					
1	80	6	21	08	14	12.8	6.6	66	5.9	1008.3	1	014 29	9	8	3	9	5	6	3	82928	82835	83070	1	1Sc56 1Ac60 jp all quads. vv70k ex p
2	65	6	20	08	15	15.5	6.3	54	6.0	1021.3	0	006 15	8	2	3	2	6	6	1	83838	83360		2	1Ci70 jp NW&S vv40k ex p
3	86	7	15	07	15	19.5	6.4	42	5.9	1022.2	5	004 15	2	2	5	0	9	8	1	82359	83365	86075	3	COTRA jpW
4	80	8	18	03	08	21.2	6.5	38	6.1	1021.0	0	000 02	2	2	8	0	9	7	/	86359	88462		4	
5	77	7	04	07	14	22.5	7.7	39	6.1	1024.1	6	007 02	2	2	1	0	9	3	2	81365	87070		5	22 halo part
6	73	1	07	08	20	22.8	8.9	41	6.8	1021.5	7	013 02	0	0	1	1	7	0	0	81850			6	
7	70	1	10	06	17	25.5	10.4	39	7.3	1017.1	7	015 02	0	0	1	4	7	0	0	81856			7	1Sc57 Cu hum
8	81	4	11	07	18	25.2	6.3	30	5.9	1011.7	7	015 03	0	0	0	0	9	0	1	84080			8	COTRA
9	65	6	04	06	11	24.1	11.9	46	8.7	1011.4	7	005 03	2	2	1	3	6	3	1	81945	83365	85075	9	Cb cal E
10	72	7	32	03	08	24.5	7.2	33	6.0	1016.8	7	008 01	2	2	1	2	7	7	1	81856	83365	87075	10	Absent vv&cld est
11	80	3	06	07	16	26.4	6.0	27	5.4	1017.9	7	010 01	0	0	1	1	7	0	1	81856	83080		11	Absent vv&cld est
12	80	7	07	06	19	24.7	6.8	32	6.6	1017.4	8	047 01	1	1	3	4	7	0	1	81856	83657	86080	12	COTRA Cu hum
13	75	3	03	10	20	21.2	11.1	52	8.0	1016.8	7	013 02	1	1	1	1	6	8	1	81840	83080		13	1Ac60 COTRA Cu hum Ac cas
14	68	1	03	10	21	20.1	11.2	57	8.5	1012.7	8	021 01	1	1	1	1	6	3	0	81835			14	1Ac59 Cu hum
15	59	8	04	06	12	13.4	10.4	82	7.8	1010.0	7	011 05	6	2	8	5	4	/	/	87613	88615		15	
16	59	8	05	04	08	12.2	9.5	83	7.3	1008.8	7	008 05	2	2	8	5	4	/	/	86613	88615		16	
17	57	8	05	05	13	12.5	10.3	86	7.9	1008.8	3	005 80	8	2	8	8	4	/	/	81710	83815	88635	17	Cu med
18	84	6	03	08	21	15.8	3.1	43	4.5	1014.6	8	001 03	1	1	6	8	7	0	0	81850	86656		18	Cu hum/med
19	84	7	06	06	16	13.1	0.8	43	4.1	1018.1	6	003 02	2	2	7	8	6	/	/	81845	83650	87656	19	Cu med
20	78	6	07	05	13	15.0	2.6	43	4.5	1018.4	7	010 02	2	2	6	8	7	0	1	81850	86650		20	2Ci80 COTRA Cu hum
21	65	5	11	05	12	18.9	3.7	36	5.1	1015.0	6	011 02	2	2	4	8	7	0	1	81850	84656		21	3Ci80 COTRA Cu hum
22	72	6	15	04	13	19.8	3.2	33	4.7	1013.2	6	003 02	2	2	1	8	7	6	1	81856	85358		22	1Ac57 3Ci80 COTRA Cu med
23	65	8	07	03	11	18.1	8.1	52	6.9	1012.0	8	009 02	6	2	8	0	9	8	/	83357	83360	88465	23	3Ac cas
24	68	6	05	11	25	20.6	8.0	44	6.3	1008.8	7	010 02	2	2	3	2	6	0	1	83848	86080		24	Cu med
25	62	5	03	09	17	18.3	14.8	80	10.3	1011.2	2	004 03	2	2	5	8	4	3	0	84815			25	1Sc45 1Ac60 Cu con
26	22	8	06	09	21	11.9	11.1	95	8.2	1010.3	0	007 59	6	5	7	7	2	2	/	82705	87707	88515	26	
27	67	8	04	03	08	16.0	11.7	75	8.8	1010.2	8	012 03	2	2	2	8	5	1	/	82822	88468		27	1Sc35 Cu hum
28	58	8	19	05	09	15.6	14.4	92	10.2	1003.5	3	014 63	6	2	4	5	3	2	/	82708	83640	88550	28	
29	72	8	07	08	17	18.4	11.7	65	8.5	1012.4	7	003 03	2	2	3	8	6	7	/	81830	83650	85358	29	8As65 Absent vv&cld est
30	70	8	32	03	06	17.1	11.6	70	8.3	1014.0	2	001 02	2	2	8	8	5	/	/	81820	86635	88640	30	Cu hum/med
31	65	7	36	04	09	19.9	10.3	54	7.7	1016.6	7	001 02	2	2	7	8	6	/	/	81838	87657		31	2Sc50 Cu med

Mean vis = 22.6 km

Mean cloud = 6.0 75%

Mean wind speed = 6.3 kn

Mean gust = 14 kn

Mean TT = 18.8 °C

Mean TdTd = 8.3 °C

Mean RH = 53.9 %

Mean r = 6.9 g/kg

Mean PPP = 1014.4 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

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.

May 2008	T mn	Tx	Time	Tn	Time	RHmn	RH x	Time	RH n	Time	Tdmn	r mn	r x	Time	r n	Time	p mn	p x	Time	p n	Time	R tot
1	9.60	14.3	1448	5.6	2356	76.90	94.2	2359	46.9	1139	5.54	5.66	7.0	1438	4.5	1139	1007.08	1015.4	2359	999.8	17	1.9
2	9.84	16.3	1508	2.9	303	79.20	96.9	501	46.4	1523	6.04	5.80	7.9	1336	4.5	303	1020.33	1024.0	2359	1015.3	2	0.9
3	13.61	20.8	1445	3.6	233	64.43	97.1	504	36.1	1352	6.04	5.78	7.1	757	4.6	233	1022.73	1024.1	744	1020.7	1906	0.0
4	16.64	21.4	1121	11.4	350	62.80	88.5	2358	36.4	1152	9.04	7.10	8.6	2232	5.5	1152	1021.36	1023.7	2356	1020.2	143	0.2
5	15.59	22.6	1457	9.6	2337	73.30	96.9	453	31.3	1440	10.14	7.71	10.9	1109	4.9	1440	1024.87	1026.2	853	1023.5	0	4.1
6	15.57	23.6	1227	6.7	423	64.35	93.1	520	36.1	1322	8.09	6.66	8.5	1226	5.3	238	1023.08	1025.3	9	1021.1	1513	0.1
7	17.25	26.2	1441	8.3	440	63.97	96.4	529	24.9	1442	9.31	7.25	9.8	924	5.2	1442	1018.93	1021.4	6	1016.7	1647	0.0
8	18.08	25.5	1405	9.8	315	58.57	93.9	356	25.0	1402	8.33	6.84	9.0	740	4.9	1245	1013.74	1017.5	1	1011.0	1736	0.0
9	18.06	25.2	1545	12.7	241	70.50	91.5	2319	40.9	1526	12.09	8.76	11.2	1134	7.6	1850	1012.36	1015.3	2341	1010.7	1559	0.2
10	17.80	25.2	1424	11.9	428	69.75	96.1	316	28.6	1533	11.22	8.26	9.7	651	5.4	1533	1017.15	1019.5	2336	1014.9	118	0.0
11	17.69	27.1	1259	9.2	435	62.75	97.1	549	23.9	1508	8.84	7.05	9.8	1041	5.0	1521	1018.82	1019.8	2354	1017.5	1653	0.0
12	16.79	25.4	1344	7.4	349	61.84	96.0	520	28.1	1443	8.37	6.80	9.2	949	5.3	1443	1018.62	1019.7	5	1017.1	1630	0.0
13	15.27	21.7	1511	9.2	429	69.39	90.8	435	46.5	1532	9.39	7.29	9.5	1350	6.3	251	1018.35	1019.7	649	1016.2	1700	0.0
14	14.42	20.6	1442	8.7	426	72.10	92.1	430	50.6	1443	9.20	7.22	9.4	1305	6.2	2351	1014.96	1018.2	5	1011.9	1806	0.0
15	11.80	14.0	1618	9.3	408	83.60	92.3	839	73.1	2140	9.11	7.22	8.7	1810	6.0	201	1010.67	1013.1	1	1009.2	1733	1.0
16	10.95	12.8	1723	9.0	500	88.10	94.5	953	77.1	1	9.05	7.18	7.8	1727	6.1	430	1009.23	1010.3	6	1008.0	1727	2.1
17	11.36	14.2	1157	9.5	2359	85.90	93.6	53	66.2	1203	9.03	7.16	8.1	1440	6.5	1101	1009.09	1012.5	2359	1007.4	454	1.3
18	10.91	16.0	1459	4.5	2357	63.70	89.6	313	36.7	1540	3.82	5.01	6.7	1151	3.9	1540	1014.83	1018.3	2329	1012.4	1	0.0
19	8.66	15.5	1311	1.0	420	66.26	95.6	516	34.4	1310	2.14	4.41	5.7	1309	3.5	1152	1018.56	1019.8	2359	1017.7	1609	0.0
20	9.63	16.5	1537	1.7	359	66.46	94.8	433	35.7	1610	3.02	4.69	6.9	1016	3.8	1457	1019.29	1020.0	809	1017.9	1547	0.0
21	11.91	20.0	1403	2.8	331	66.47	95.6	502	30.3	1422	4.86	5.37	7.2	817	4.0	1258	1016.56	1019.5	0	1014.3	1638	0.0
22	14.39	21.7	1202	5.7	347	61.40	96.9	541	28.3	1234	5.54	5.68	8.6	858	4.2	1721	1014.02	1015.7	16	1012.7	1720	0.0
23	14.70	20.4	1700	10.9	353	68.85	91.2	442	39.8	1530	8.73	7.03	9.0	954	5.4	1530	1012.43	1013.9	0	1010.9	1706	0.3
24	16.13	21.9	1310	11.4	322	58.61	78.7	607	39.6	1453	7.85	6.65	9.4	956	4.8	258	1009.98	1011.8	18	1008.1	1735	0.0
25	13.33	19.4	1440	11.1	331	88.90	96.1	1001	63.6	0	11.49	8.46	11.3	1505	6.0	0	1010.90	1013.9	2021	1007.6	347	6.6
26	11.59	12.2	1319	10.1	2345	94.40	96.2	2330	91.5	230	10.73	8.01	8.4	1319	7.4	2353	1010.17	1012.8	0	1008.1	937	31.4
27	13.42	17.5	1259	9.6	212	84.90	96.2	0	64.7	1302	10.83	8.09	9.8	1258	7.1	241	1010.07	1011.8	1003	1005.9	2359	1.4
28	14.54	17.4	1230	10.9	2344	93.20	96.6	710	85.7	1240	13.45	9.67	11.3	1229	7.6	2345	1004.64	1012.6	2356	1001.1	859	9.7
29	14.72	21.6	1235	10.5	530	83.10	96.0	602	48.7	1243	11.62	8.49	10.1	1235	7.4	1243	1013.33	1014.5	805	1012.1	1430	0.8
30	14.96	18.5	1637	12.5	258	81.30	92.6	0	60.2	1638	11.69	8.51	9.5	2149	7.7	1606	1013.89	1016.0	2302	1012.5	214	0.0
31	16.78	21.8	1248	12.0	322	75.40	95.7	400	47.7	1611	12.09	8.72	9.7	827	7.2	1225	1016.49	1017.4	2253	1015.4	305	0.0
Total																						62.0
Mean	14.06	19.91		8.37		72.92	93.96		45.96		8.60	7.05	8.89		5.61		1015.05	1017.54		1012.83		
Max	18.08	27.10		12.71		94.40	97.10		91.50		13.45	9.67	11.32		7.74		1024.87	1026.15		1023.46		
Min	8.66	12.23		0.97		58.57	78.70		23.89		2.14	4.41	5.68		3.55		1004.64	1010.32		999.80		

Wokingham Automatic Weather Station

AWS samples taken every 0.5 seconds

x and n refer to maximum and minimum respectively

Readings taken at Wokingham Climatological Station, Emmbrook, Berkshire

Lat 51.425 N, Long 0.853 W, NGR (SU) 798701

Altitude 45 m ASL.

Tmn = 00 to 24 GMT mean air temperature at 1.2 m, deg C

RHmn = 00-24 GMT mean relative humidity at 1.2 m, percent

TDmn = 00-24 GMT mean dew point at 1.2 m, deg C

rmn = 00-24 GMT mean humidity mixing ratio, g/kg

pmn = 00-24 GMT mean air pressure reduced to mean sea level, mbar

Rtot = 00-24 GMT rainfall total from AWS tipping bucket raingauge, mm

Time = hours and minutes in GMT of extreme values

WOKINGHAM METEOROLOGICAL DATA

Wokingham Climatological Station, Emmbrook, Berkshire.

Lat 51°25'N 00°51'W NGR (SU)798701 Altitude 46m ASL

Seasonal Means and Totals

Temperature (°C)												
Mean maximum	14.9	(+1.3)										16 th highest
Mean minimum	5.4	(+0.7)										13 th highest
Daily mean	10.1	(+1.0)										13 th highest
Rainfall total (mm)	201.5	(138 %)										15 th highest
Sunshine total (hours)	434.4	(110 %)										
N° of:												
	Dry days	40 (-11)										
	Wet days		34 (+6)									
Days with:	Air frost	12 (+1)	Ground frost	33 (-5)	Snow falling	7 (+3)	Snow lying	1 (+1)				
Thunder	9 (+4)	Hail ≥5mm	5 (+3)	Small hail/ice	12 (+8)	Fog @09 GMT	0 (-2)	Nil sun	11			
Air pressure MSL : Mean @09 GMT (mbar)		1011.1										(-4.5)

SPRING 2008

Rank in the past 127 years

Departure from 1971 to 2000 average shown in brackets.

Notes: *Mild.* *Wet.* *Sunshine Above Normal.*

Temperature : This is the 12th consecutive spring season in the mild or very mild category, that is within the top 30 % of ranked mean temperatures since 1882. The mean temperature of 10.1° is only 0.1° outside the very mild category. May was the mildest month, mean temperature 2.4° above average, and March the coolest, just 0.2° above average. The season's highest temperature was 27.4° on the 11th May, 2.0° above the median. The lowest temperature was -4.5° on the 5th of March, 0.2° below the median. The lowest maximum was 5.5° on the 24th March, 1.1° above the median, and the highest minimum was 12.9° on the 9th May, 0.4° above the median. The lowest grass minimum was -9.9° on the 5th March. Mean earth temperatures at both 30 cm and 1 m depth were a little above average. The 43.6 hours with air frost is 11.8 hours fewer than average. **Rainfall :** This has been the wettest spring since 2001, 63.7 mm above the long-term median. Each of the spring months had above average rainfall, but the wettest month was March and the driest April. Total rain duration was 149.1 hours, again most since 2001, and 19.6 hours above average. The wettest day was the 26th May with 19.4 mm. The number of dry days is fewest since 1986. There were just two short dry spells, each of 5 days, ending on 5th March and 13th May. Snow fell on 6 days in March, but was accompanied by rain on most occasions, or fell as brief showers. However, there was a notable fall of snow on the 6th April giving 6 cm depth at 0900 GMT, though this had mostly melted by the afternoon. Small hail fell on no fewer than 8 days in March and a further 4 in April, giving a spring total equal highest with 1986 in the past 33 years. Large hail fell on the 21st March, 12th, 24th and 27th of April and the 1st of May, the largest stones being 1 cm dia on this latter date. Thunder was also more frequent than normal, and most since 1998. The highest rainfall rate recorded this spring was 145 mm/hr on the 10th March at 1423 GMT. Notable wet spells were 30.6 mm in 4 days to the 30th April and 54.0 mm in 5 days to 28th May. In line with the plentiful rainfall, the estimated soil moisture deficit was only 8 mm at the end of the season, compared with an average of 69 mm. **Sunshine :** The sunshine total this spring is about 38 hours above normal. March was the only month with less than average. The sunniest day was the 13th May with 14.4 hours. The best period for sunshine was the 6th to 14th of May, when there was a total of 105.9 hours, and average of 11.8 hours per day. Overall there were 39 days with <3 hours, 32 with =>6 hours, 13 with =>9 hours and 7 with =>12 hours. **Wind :** The overall mean wind speed was 7.3 mph, close to average. The windiest day was the 12th March, mean speed 17.5 mph, and the season's highest gust of 50 mph was also on that day. The least windy day was the 10th May, 2.7 mph, and there were 1632 minutes, 27.2 hours, with a mean speed of 0.5 mph or less. Daily mean direction/number of days : N,9 NE,25 E,6 SE,5 S,3 SW,25 W,14 NW,5. **Humidity :** The overall mean relative humidity was 73.2 % and the lowest value was 25 % on the 11th May. The mean water vapour content per kg of air was 5.9 g at 0900 GMT and 5.4 g at 1500 GMT. **Pressure :** The mean pressure is lowest for the spring season since 1983. The season's lowest pressure, 961.2 mbar on 10th March is lowest since before 1976. The highest pressure was 1037.0 mbar on the 5th March.

March : Wet, windy and dull but with temperature above normal. Wettest since 2001. 9 hail days a new record. Dullest since 2001. Windiest since 1995. Minimum pressure probably lowest since before 1949.

April : Wet with temperature above normal and sunshine near normal. Most days with air frost since 1977. 6 cm of lying snow at 0900 GMT on 6th, the first in April since 1989.

May : Near record temperatures, wet, near normal sunshine. Mean temperature equal highest with 1992 since before 1882. Mean max and mean min both 3rd highest in 127 years. Most sunless days since 1994. Wind speed 2nd lowest in 21 years.

Month	Mean Max	Anom	Mean Min	Anom	Rain mm	Anom %	Sun hrs	Anom %	Wind Mn mph	Max gust	Mean pressure	Anom
March	10.7	+0.1	3.3	+0.4	73.3	156 %	93.4	94 %	9.2	50	1007.3	-8.3
April	13.9	+0.8	4.0	-0.1	61.7	126 %	153.6	119 %	7.0	37	1010.7	-4.6
May	20.1	+3.1	8.8	+1.8	66.5	132 %	187.4	110 %	5.4	37	1015.3	-0.6