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 — APRIL 2026

Temperature (°C)		Anomaly		Rank in the past **145** years
Mean maximum	17.4	+2.6		6th highest
Mean minimum	5.1	+0.4		19th highest
Daily mean	11.2	+1.5		6th highest
Highest maximum	25.3	on	8th	Lowest maximum 11.8 on 2nd
Highest minimum	11.4	on	15th	Lowest minimum -0.6 on 25th
Mean grass minimum	1.0	0.0		Lowest grass minimum -5.6 on 25th
Mean earth @30 cm	11.3	+1.1		Earth @100 cm 10.6 +1.1
Frost duration (hrs)	2.4			Rain duration (hrs) 7.1
Rainfall total (mm)	4.3	9%		7th lowest
Highest daily fall	1.1	on	12th	Highest rate mm/hr 8 on 12th

Number of: Dry days (<0.2mm) 24 Wet days (>0.9mm) 1 days ≥5mm 0

Sunshine total (hrs) 248.1 Daily mean 8.27 146% Sunniest day 14.5 on 30th

N° days with: Air frost 2 Ground frost 14 Snow falling 0 Snow lying 0

Thunder 0 Hail ≥5mm 1 Small hail/ice 1 Fog @09 0 Nil sun 1

Pressure MSL : Mean @09 GMT, mbar 1021.1 +6.1 Highest 1031.0 on 23 Lowest 1002.4 on 11th

Relative humidity : Mean (%) 66.9 Lowest 9 on 25th Water vapour (g/kg), mean at 09 and 15 GMT 5.7, 5.2

Overall mean wind speed (mph) 7.7 Windiest day 12.9 on 3rd Max gust 43 on 4th

Wind direction (days) N 2 NE 5 E 6 SE 1 S 3 SW 8 W 5 NW 0

Least windy day (mph) 2.3 on 25th Calm; less than 0.5 mph (minutes) n/a

Anomaly = departure from 1991 to 2020 average (degrees C, percent and mbar).

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

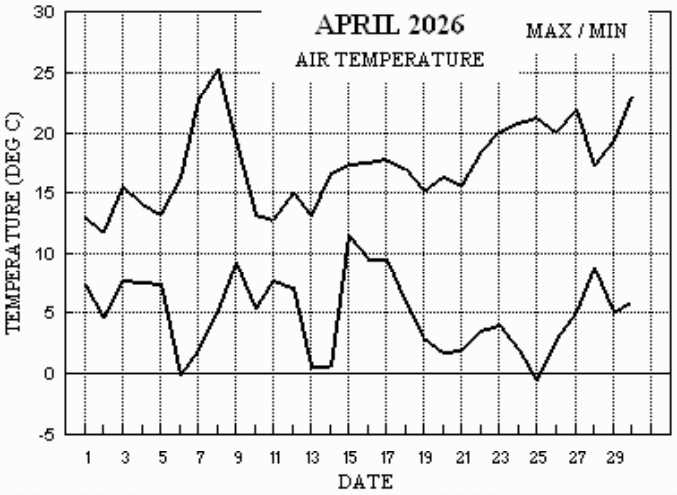
This has been a remarkable month, well within the top 10% of Aprils since 1882 for warmth, dryness and sunshine. **Temperature:** The mean maximum ranks 6th highest in 145 years, and 5 of the 6 have been in this millennium. The mean minimum ranks lower at 19th highest, due to a number of cold nights between the 20th and 26th. This was at a time when daily maximums were well above normal, leading to large ranges of daily temperature, and the value of 21.9° on the 25th is 2nd highest for April in 51 years. The highest max is 4.4° above the median and 8th highest in 123 years while the lowest max is 3.7° above its median and 4th highest in 114 years. The highest min is 1.5° above the median and the lowest min is 1.3° above its median. The lowest grass min is 1.2° above average. Earth temperature at both 30 cm and 1 m depth are 1.1° above average. Anomalies for daily max were over +7° on the 7th, 8th, 27th and 30th, with extreme values of +13.0° on the 8th and -0.7° on 2nd. For daily min, anomalies were over +6° on the 9th, 15th and 16th, and exceeded -5° on the 25th, with extreme values of +8° on 15th and -6.0° on 25th. **Rainfall:** This has been and extremely dry April, the total of just 4.3 mm is only 9 % of average. It is the driest April since 2011, and the other drier Aprils since 1882 are 1893, 1912, 1938, 1984 and 2007, with 1912 being the driest on record when only 1.0 mm of rain fell. This month, the highest daily fall of 1.1 mm ranks 3rd lowest for April since before 1904. The number of dry days is 6 above average, but there were more as recently as April 2022. The duration of rainfall is 19 % of average. There was no thunder this month, but ice pellets fell on the 11th and hail with stones up to 1 cm in diameter fell on the 12th. **Sunshine:** This has been a very sunny April ranking 3rd highest in this millennium, but with less sunshine than in April last year, and also in 2020, the record holder, which had 17.4 hours more sun than April this year. The final 13 days of the month were outstanding, giving a total of 146.5 hours, a mean of 11.3 hours per day, about twice the average. The 14.5 hours on the 30th, the month's sunniest day, is highest for any April day in this millennium. Sunshine accumulation compared with normal was 12 hours in deficit on the 4th, becoming a surplus of 9 hours on the 8th, decreasing to 3 hours on 17th, then increasing steadily up to a 78 hour surplus by the 30th. **Wind:** The mean speed of 7.7 mph is 1.0 mph above average. The mean speed of 12.9 mph on the month's windiest day, and the month's highest gust, are both about average. Daily mean speeds were strong on the 3rd, 4th and 29th, fresh on the 5th, 9th, 11th, 12th, 15th, 17th, 21st, 22nd and 28th, otherwise were light or moderate. Daily mean direction was between S and W up to the 17th, except between S and E on 6th, 7th and 14th, was between E and N after the 19th, and between N and W on 18th and 19th. **Humidity:** The mean relative humidity is lowest for April since before 1998. On the 25th the humidity fell to an exceptionally low value of 9 %. This is the lowest seen here at any time since continuous records of humidity started in 1998, the previous lowest being 13 % in May 2013.

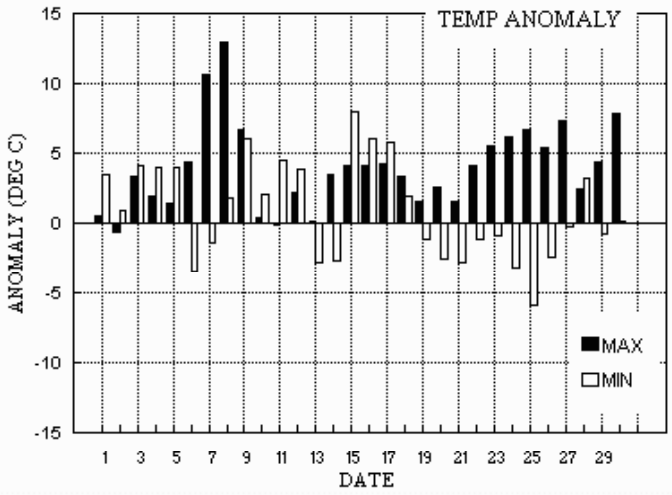
Table 1. Mean anomalies (max, min, rain, sun) for specified periods.

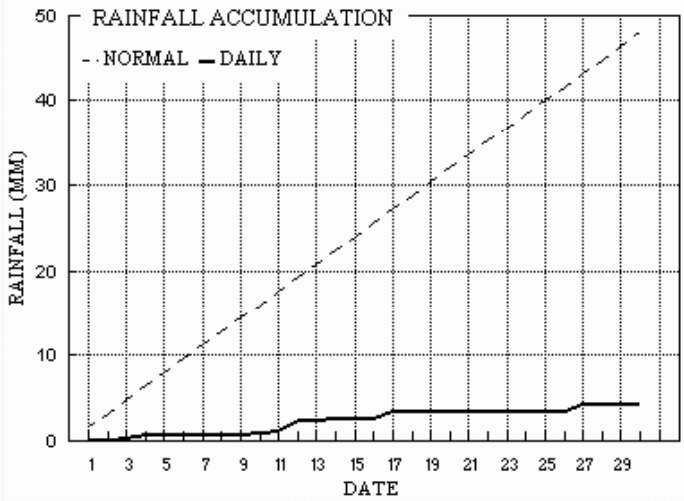
From the 1st to the 10th				From the 11th to the 20th				From the 21st to the 30th			
+4.2°	+2.1°	6%	111%	+2.6°	+2.1°	16%	124%	+5.1°	-1.4°	5%	202%

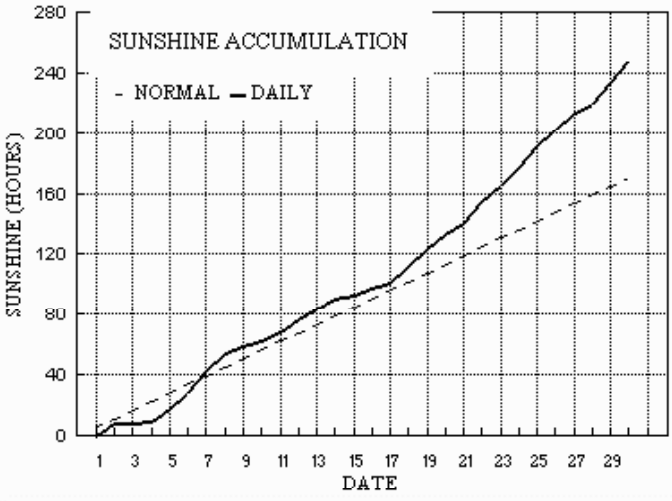
B J Burton FRMetS. Hon. Met. Officer to Wokingham Town Council.

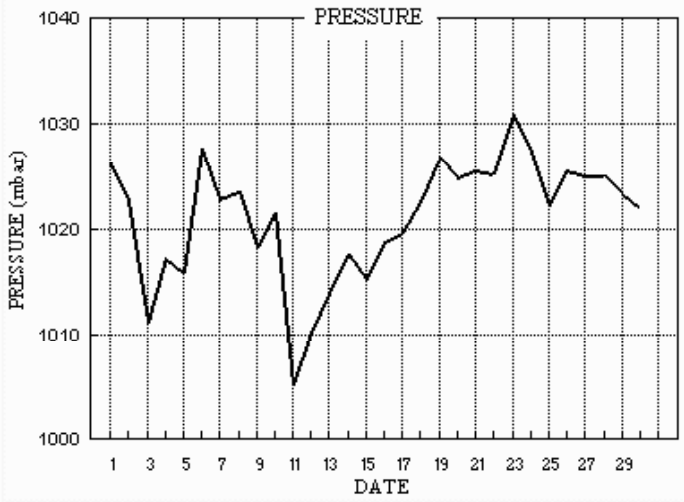
Wokingham climatological graphs for April 2026

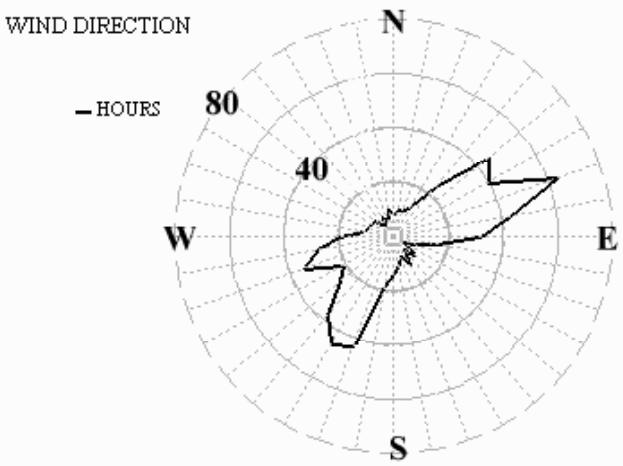


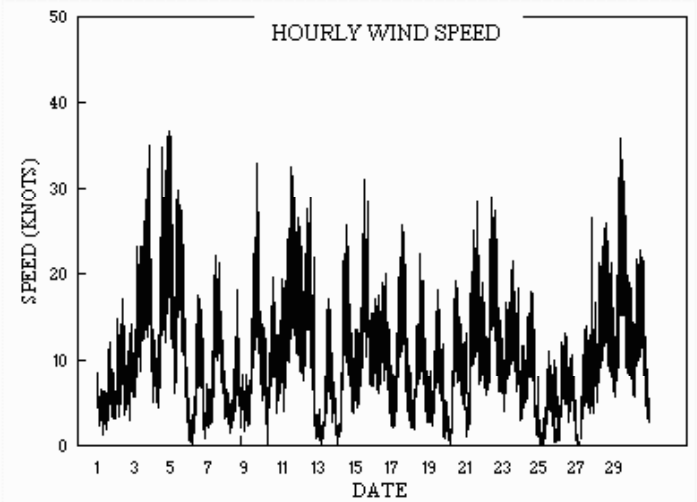


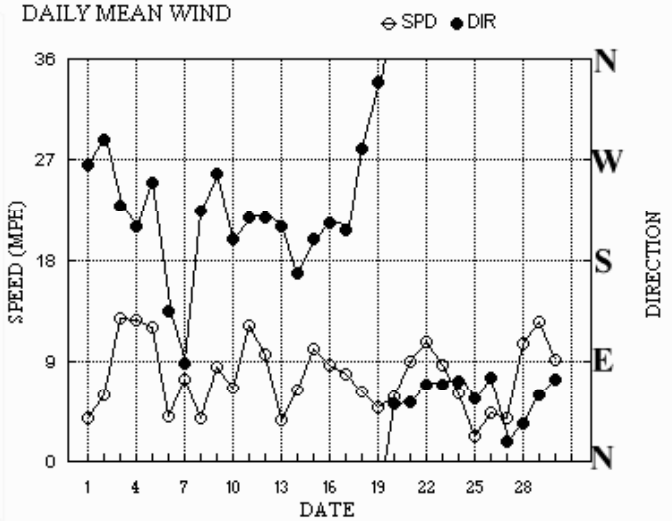












Daily meteorological data. Emmbrook, WOKINGHAM, Berkshire.

Month: APRIL 2026

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	13.1	7.3	0.2	2.9	9.7	9.4	0.0	0.0	1026.2	0 0	0 0	0 0	0 0	265	3.3	3.4	277	12	1610	277	6	16	0.9
2	11.8	4.7	tr	0.1	9.9	9.4	8.6	0.0	1022.7	0 0	0 0	0 0	0 0	288	2.0	5.1	2	17	0945	14	8	09	0.0
3	15.7	7.8	0.1	2.7	10.1	9.5	0.1	0.0	1011.1	0 0	0 0	0 0	0 0	229	10.4	11.2	255	35	1910	258	16	19	0.3
4	14.1	7.6	0.6	3.7	10.4	9.7	0.5	0.0	1017.3	0 0	0 0	0 0	0 0	209	10.8	11.0	215	37	2235	215	19	22	0.3
5	13.3	7.4	0.0	3.5	10.4	9.8	8.3	0.0	1015.9	0 0	0 0	0 0	0 0	250	10.2	10.4	255	30	1100	261	17	10	0.0
6	16.2	-0.1	0.0	-3.8	10.2	9.9	11.7	0.3	1027.7	1 1	0 0	0 0	0 0	134	3.1	3.5	125	18	1120	127	8	15	0.0
7	22.7	1.9	0.0	-2.1	10.0	9.9	13.0	0.0	1022.9	0 1	0 0	0 0	0 0	88	6.2	6.5	111	22	1025	113	12	10	0.0
8	25.3	5.2	0.0	1.9	10.4	9.9	12.9	0.0	1023.6	0 0	0 0	0 0	0 0	224	0.9	3.3	248	18	1550	212	6	14	0.0
9	19.3	9.3	0.0	5.3	11.4	10.0	4.6	0.0	1018.2	0 0	0 0	0 0	0 0	257	7.1	7.4	265	33	1530	259	14	15	0.0
10	13.2	5.3	0.1	2.0	11.3	10.2	3.4	0.0	1021.5	0 0	0 0	0 0	0 0	199	3.7	5.7	213	20	1400	199	10	14	0.4
11	12.8	7.7	0.3	6.4	11.2	10.4	6.0	0.0	1005.2	0 0	0 0	0 0	1 0	217	8.3	10.5	239	33	1315	216	14	16	0.1
12	15.1	7.2	1.1	4.3	11.0	10.5	7.7	0.0	1010.1	0 0	0 0	0 1	0 0	218	7.9	8.4	265	29	1435	246	14	12	0.7
13	13.1	0.6	0.1	-2.3	10.8	10.5	7.0	0.0	1013.8	0 1	0 0	0 0	0 0	209	2.6	3.2	237	17	1335	241	9	13	0.4
14	16.7	0.6	0.1	-3.0	10.5	10.5	7.1	0.0	1017.5	0 1	0 0	0 0	0 0	168	5.1	5.6	185	26	1350	184	12	11	0.7
15	17.4	11.4	0.1	10.9	10.9	10.5	2.7	0.0	1015.2	0 0	0 0	0 0	0 0	198	8.6	8.8	211	31	1340	208	14	13	0.2
16	17.6	9.6	0.0	6.4	11.2	10.5	4.7	0.0	1018.7	0 0	0 0	0 0	0 0	212	7.2	7.6	194	20	1625	221	10	12	0.0
17	17.8	9.6	0.8	6.6	11.7	10.6	3.3	0.0	1019.7	0 0	0 0	0 0	0 0	206	6.3	6.9	208	26	1500	211	13	14	2.1
18	16.9	5.8	0.0	-0.1	11.9	10.8	10.5	0.0	1022.5	0 1	0 0	0 0	0 0	280	4.9	5.4	265	23	1255	287	9	15	0.0
19	15.2	3.0	0.0	-2.5	11.8	10.9	12.3	0.0	1026.8	0 1	0 0	0 0	0 0	338	3.5	4.2	307	18	1325	355	8	10	0.0
20	16.4	1.8	0.0	-2.8	11.6	11.0	9.0	0.0	1024.9	0 1	0 0	0 0	0 0	52	4.9	5.0	80	19	1235	67	9	12	0.0
21	15.6	1.9	0.0	-2.8	11.5	11.0	7.6	0.0	1025.5	0 1	0 0	0 0	0 0	54	7.6	7.8	77	28	1635	72	12	16	0.0
22	18.5	3.6	0.0	-1.9	11.6	11.1	13.4	0.0	1025.2	0 1	0 0	0 0	0 0	70	9.1	9.4	85	29	1105	81	14	11	0.0
23	20.1	4.1	0.0	-1.7	11.8	11.1	11.1	0.0	1030.8	0 1	0 0	0 0	0 0	70	7.4	7.6	105	22	1445	83	11	13	0.0
24	20.8	2.0	0.0	-3.9	12.1	11.2	12.1	0.0	1027.2	0 1	0 0	0 0	0 0	72	5.2	5.3	69	18	1435	88	9	13	0.0
25	21.3	-0.6	0.0	-5.6	12.2	11.3	14.2	2.1	1022.2	1 1	0 0	0 0	0 0	56	1.1	2.0	105	11	1305	166	5	21	0.0
26	20.1	2.9	0.0	-1.4	12.3	11.3	10.1	0.0	1025.6	0 1	0 0	0 0	0 0	76	3.4	3.8	96	13	1125	69	6	06	0.0
27	21.9	5.1	0.8	1.1	12.6	11.4	11.3	0.0	1025.1	0 0	0 0	0 0	0 0	19	2.8	3.4	356	27	2030	8	9	20	1.0
28	17.3	8.8	0.0	5.7	13.1	11.5	6.3	0.0	1025.1	0 0	0 0	0 0	0 0	35	9.1	9.2	48	26	1540	37	13	13	0.0
29	19.4	5.1	0.0	0.8	12.7	11.7	14.1	0.0	1023.4	0 0	0 0	0 0	0 0	60	10.7	10.8	64	36	1105	72	16	14	0.0
30	23.1	6.0	0.0	-0.1	12.9	11.8	14.5	0.0	1022.0	0 1	0 0	0 0	0 0	74	7.9	8.0	75	16	1225	18	7	10	0.0
Total			4.3				248.1	2.4															7.1
Mean	17.4	5.1		1.0	11.3	10.6	8.27	0.1	1021.1					172	1.0	6.7							
Anom	+2.6	+0.4	9%	+0.0	+1.1	+1.1	146%		+6.1														

Daily mean 11.2 Pressure, abs highest = 1031.0 on 23

Anom +1.5 Pressure, abs lowest = 1002.4 on 11

Number of days with:

Air frost = 2 Ground frost = 14 Nil sun = 1

Snow falling = 0 Snow lying = 0 Thunder = 0

Hail=>5mm = 1 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.

Maximum daily rain rate in mm/hr

All temperatures in degrees Celsius.

Anomaly - Departure from the 1991 to 2020 climatological average

Weather observations. Emmbrook, Wokingham, Berkshire.

Observations at 0900 GMT for APRIL 2026

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	59	7	24	02	06	10.7	8.1	84	6.6	1026.2	6	007	05	2	2	7	5	6	/	/	87646			1	
2	80	6	35	07	13	7.8	2.3	68	4.4	1022.7	1	013	03	1	1	6	8	5	0	0	85820	84628		2	Cu hum
3	82	8	21	08	15	11.7	9.4	86	7.3	1011.1	6	014	21	6	2	8	5	3	/	/	87708	88615		3	
4	58	8	18	05	12	10.7	8.8	88	7.0	1017.3	8	005	21	6	2	8	7	2	/	/	88705			4	
5	86	5	26	14	25	10.3	4.0	65	5.0	1015.9	2	032	01	2	2	5	5	0	1	1	85827			5	1Ci75 Cu hum
6	80	7	11	04	07	10.2	1.8	56	4.3	1027.7	1	003	02	2	2	1	0	9	4	1	81365	83073	86078	6	COTRA
7	82	1	08	07	13	13.4	4.6	55	5.2	1022.9	8	004	02	0	0	0	0	9	0	1	81075			7	COTRA Ci edge W
8	63	1	02	01	04	14.2	8.2	67	6.7	1023.6	2	008	02	0	0	1	0	9	3	1	81365	81075		8	COTRA
9	80	7	25	05	09	16.1	10.4	69	7.8	1018.2	7	004	03	2	2	4	0	9	8	1	84360	87073		9	COTRA Ac cas
10	82	8	21	04	08	8.6	0.3	56	3.8	1021.5	0	008	02	2	2	1	0	9	3	7	81360	88275		10	1Ci70 COTRA Halo 22° part
11	84	8	26	10	21	8.3	3.6	72	4.9	1005.2	1	025	21	6	2	8	5	5	/	/	81620	88656		11	
12	70	4	21	12	20	12.1	3.8	57	5.0	1010.1	0	006	03	0	0	4	8	5	0	0	84828			12	1Sc35 Cu med
13	40	1	09	02	05	8.2	7.8	97	6.5	1013.8	8	001	40	4	0	1	2	0	6	1	81701			13	1Cu15 1Ac58 1Ci72 Cu con jf NW
14	84	5	16	06	11	12.8	5.2	60	5.5	1017.5	0	001	03	1	1	1	1	5	4	4	81825	84075		14	1Ac59 2Ac61 COTRA
15	62	8	19	08	14	14.4	11.7	84	8.5	1015.2	7	002	20	5	2	8	5	3	/	/	87708			15	/Sc50
16	80	6	24	05	11	13.9	9.7	76	7.4	1018.7	2	009	21	6	2	5	8	4	0	1	85815	83075		16	1Sc33 COTRA Cu med
17	70	8	20	08	14	13.6	9.5	76	7.3	1019.7	2	001	03	2	2	7	8	4	3	/	81815	87650		17	/Ac68 Cu fra
18	80	1	27	07	13	12.2	7.7	74	6.5	1022.5	1	006	03	0	0	1	1	4	0	0	81818			18	Cu hum
19	84	1	36	05	10	11.1	2.2	54	4.4	1026.8	2	003	02	0	0	1	1	6	0	1	81835			19	1Ci78 COTRA Cu hum
20	84	2	04	07	12	10.6	1.4	53	4.1	1024.9	8	001	02	0	0	1	8	6	0	1	81830			20	1Sc50 2Ci75 COTRA
21	78	6	05	08	18	10.7	4.4	65	5.1	1025.5	0	002	01	2	2	6	5	5	0	0	86620			21	
22	65	1	07	11	20	12.3	6.1	66	5.8	1025.2	8	005	02	0	0	1	1	5	0	0	81822			22	Cu fra
23	59	1	07	07	14	11.2	6.6	73	5.9	1030.8	0	007	05	1	1	1	6	4	0	1	81712			23	1Ci75 Ci edge W
24	81	1	06	06	09	8.8	3.6	70	4.8	1027.2	7	002	02	1	1	0	0	9	0	1	81075			24	
25	80	6	12	01	04	10.1	3.4	63	4.8	1022.2	8	001	02	2	2	1	0	9	3	2	81369	86072		25	COTRA Halo 22° part+parhelion+l/a cont
26	60	7	06	05	13	13.6	7.6	67	6.4	1025.6	0	001	05	2	2	0	0	9	0	1	81070	87075		26	COTRA U/a cont+parhelion
27	70	1	07	03	05	14.8	5.9	55	5.7	1025.1	8	002	02	0	0	0	0	9	0	2	81075			27	Ci edge N
28	75	8	04	09	18	10.5	7.0	79	6.1	1025.1	1	009	02	6	2	8	8	4	/	/	81813	87616	88625	28	Cu hum
29	82	0	06	14	24	15.1	3.6	46	4.8	1023.4	8	003	02	0	0	0	0	9	0	0				29	
30	84	1	08	10	19	16.2	2.6	40	4.5	1022.0	8	005	02	0	0	0	0	9	0	2	81072			30	Ci edge distant SW

Mean vis = 29.3 km
Mean cloud = 4.5 56%
Mean wind speed = 6.7 kn
Mean gust = 13 kn
Mean TT = 11.8 °C
Mean TdTd = 5.7 °C
Mean RH = 67.4 %
Mean r = 5.7 g/kg
Mean PPP = 1021.1 mbar

See appendix 2 below for full code details

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 APRIL 2026

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	83	8	30	04	08	12.5	6.3	66	5.9	1022.6	7	020	02	2	2	8	8	5	/	/	82826	88645		1	Cu hum
2	86	2	25	02	08	11.3	1.3	50	4.1	1020.9	8	017	01	1	1	1	1	6	0	1	81838			2	2Ci78 Cu hum
3	88	8	24	13	25	15.2	10.6	74	7.9	1009.7	7	006	21	6	2	6	8	4	/	7	84814	83625	88275	3	Cu hum
4	72	7	20	13	25	13.0	7.7	70	6.5	1012.8	8	028	02	2	2	7	5	4	/	/	87619			4	/Sc25
5	89	5	27	12	24	12.7	-1.2	38	3.4	1020.5	1	020	02	1	1	3	4	7	0	4	82850	83080		5	2Sc56 Cu med
6	88	2	14	06	14	15.6	1.7	39	4.2	1024.8	6	017	01	1	1	0	0	9	0	2	82072			6	1Ci80 COTRA Ci flo
7	86	2	10	10	17	21.2	4.7	34	5.3	1020.2	7	016	02	0	0	0	0	9	0	1	82077			7	COTRA Halo 22° part+u/a cont
8	81	5	21	06	12	24.6	11.9	45	8.6	1020.7	6	012	03	1	1	1	1	6	0	1	81848	85080		8	COTRA Cu hum
9	86	8	24	12	22	14.6	7.9	64	6.6	1016.8	8	003	03	2	2	3	5	5	7	/	83625	83357	85363	9	8As68
10	84	8	20	10	18	12.7	-0.5	40	3.6	1016.9	7	025	02	2	2	1	4	7	4	7	81650	88275		10	1Ac64 Halo 22° part
11	70	5	23	16	28	11.9	-2.0	38	3.3	1007.1	2	009	15	8	1	3	9	6	6	3	81945	83848		11	1Ac63 1Ci68 jp NW,N&SE vv40k ex p
12	65	6	27	10	26	10.4	4.1	65	5.1	1010.8	3	009	89	8	1	4	9	6	6	3	83933	81845	85065	12	2Ac58 vv50k NW&SE Hail 8-10 mm dia
13	84	5	18	05	10	12.2	2.9	53	4.7	1013.5	4	000	80	8	1	3	3	6	6	3	81930	82833		13	1Sc50 2Ac58 2Ci66 Cb cal NW
14	84	8	17	07	17	13.8	7.3	65	6.3	1017.3	4	000	03	2	2	8	5	5	/	/	87621	88640		14	
15	50	8	19	10	21	14.6	10.6	77	7.9	1013.9	8	004	58	6	2	8	5	4	/	/	83613	87618	88625	15	
16	80	7	20	08	13	15.8	8.3	61	6.7	1019.1	8	001	15	2	2	7	8	6	/	1	83830	85650	85075	16	Cu med jpNE
17	83	4	21	12	22	17.2	7.0	51	6.2	1018.4	8	005	01	1	1	3	4	6	4	1	83838			17	1Sc45 1Ac58 1Ac64 1Ci75 COTRA Cu hum Ac len
18	88	2	29	08	15	15.2	4.0	47	5.0	1022.0	8	001	02	0	0	2	2	7	6	0	82850			18	1Ac57 Cu med
19	89	6	33	07	14	14.3	0.5	39	3.9	1025.0	7	012	03	1	1	1	4	7	0	2	81656	86075		19	COTRA Halo 22° part+l/a cont+parhelion
20	88	7	06	09	17	13.0	2.8	50	4.6	1023.0	7	008	03	2	2	4	4	6	6	/	82848	83656	87358	20	Cu med
21	80	5	07	12	21	14.2	5.8	57	5.7	1023.8	8	010	01	2	2	5	4	6	0	0	85838			21	1Sc50 Cu med
22	80	4	08	12	22	17.6	2.4	36	4.4	1024.8	1	002	03	0	0	0	0	9	0	4	84078			22	
23	82	1	08	10	19	19.6	4.1	36	5.0	1027.9	8	018	02	0	0	0	0	9	0	1	81075			23	Ci edge W
24	89	1	08	07	16	20.5	1.9	29	4.3	1022.9	7	023	02	0	0	0	0	9	0	1	81075			24	COTRA
25	89	1	04	04	09	20.9	-7.6	14	2.1	1020.1	7	011	02	0	0	0	0	9	0	1	81075			25	
26	86	7	22	02	08	19.0	0.1	28	3.8	1023.6	7	011	03	2	2	2	0	9	1	8	82466	87270		26	
27	75	4	36	05	13	20.8	4.4	34	5.1	1022.0	8	018	03	0	0	4	8	7	4	0	82856	83357		27	Cu hum Ac len
28	81	3	04	12	21	16.8	5.1	46	5.4	1023.2	7	020	03	1	1	2	4	6	0	2	81846			28	1Sc50 2Ci69 Cu hum Parhelion
29	86	6	07	16	27	18.8	-0.6	27	3.6	1022.1	6	010	02	1	1	0	0	9	0	1	81072	86075		29	COTRA
30	82	1	08	11	18	22.3	5.3	33	5.5	1019.4	7	012	02	0	0	0	0	9	0	2	81075			30	Ci edge SW

Mean vis = 48.2 km
Mean cloud = 4.9 61%
Mean wind speed = 9.0 kn
Mean gust = 18 kn
Mean TT = 16.1 °C
Mean TdTd = 3.9 °C
Mean RH = 46.9 %
Mean r = 5.2 g/kg
Mean PPP = 1019.5 mbar

See appendix 2 below for full code details

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 Sunshine Hourly analysis

2026

Hour	01-Apr	02-Apr	03-Apr	04-Apr	05-Apr	06-Apr	07-Apr	08-Apr	09-Apr	10-Apr	11-Apr	12-Apr	13-Apr	14-Apr	15-Apr	16-Apr
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.09	0.00	0.11	0.00	0.00	0.44	0.47	0.27	0.00	0.00	0.35	0.21	0.72	0.00	0.20
6	0.00	0.99	0.00	0.00	0.26	0.28	1.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.18
7	0.00	0.99	0.00	0.00	0.21	0.75	1.00	1.00	0.77	0.05	0.00	1.00	1.00	1.00	0.00	0.00
8	0.00	0.38	0.00	0.00	0.50	1.00	1.00	1.00	0.56	0.99	0.00	1.00	1.00	1.00	0.00	0.41
9	0.00	0.18	0.00	0.00	0.76	1.00	1.00	1.00	0.59	0.42	0.03	0.19	0.49	0.87	0.13	0.68
10	0.00	0.01	0.00	0.00	0.94	1.00	1.00	1.00	0.79	0.05	0.14	0.62	0.20	0.96	0.08	0.22
11	0.00	0.19	0.02	0.02	0.90	1.00	1.00	1.00	0.02	0.09	0.57	0.72	0.10	0.54	0.15	0.26
12	0.00	0.65	0.02	0.07	0.79	1.00	1.00	1.00	0.00	0.53	0.68	0.59	0.37	0.93	0.33	0.64
13	0.00	1.00	0.00	0.25	0.65	1.00	1.00	1.00	0.00	1.00	0.70	0.85	0.10	0.08	0.05	0.12
14	0.00	1.00	0.00	0.01	0.56	1.00	1.00	1.00	0.00	0.23	0.46	0.05	0.35	0.00	0.00	0.05
15	0.00	1.00	0.00	0.00	0.55	1.00	1.00	1.00	0.00	0.00	0.93	0.38	0.44	0.00	0.06	0.60
16	0.00	1.00	0.00	0.00	0.55	1.00	1.00	1.00	0.15	0.00	1.00	0.32	0.44	0.00	0.71	0.66
17	0.00	1.00	0.00	0.05	1.00	1.00	1.00	1.00	0.31	0.00	1.00	0.58	0.90	0.00	0.57	0.50
18	0.00	0.15	0.00	0.00	0.60	0.67	0.59	0.38	0.12	0.00	0.54	0.00	0.41	0.00	0.64	0.22
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot	**0.00**	**8.62**	**0.04**	**0.52**	**8.27**	**11.70**	**13.03**	**12.85**	**4.58**	**3.36**	**6.04**	**7.65**	**7.02**	**7.11**	**2.72**	**4.74**

Hour	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	23-Apr	24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	29-Apr	30-Apr	Mean
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.11	0.03	0.00	0.19	0.29	0.02
5	0.00	0.73	0.91	0.92	0.14	0.77	0.00	0.00	0.94	0.95	0.95	0.00	1.00	1.00	0.37
6	0.00	1.00	1.00	1.00	0.00	1.00	0.02	0.14	1.00	1.00	1.00	0.00	1.00	1.00	0.56
7	0.00	1.00	1.00	1.00	0.24	1.00	0.02	0.92	1.00	1.00	1.00	0.00	1.00	1.00	0.60
8	0.00	1.00	1.00	1.00	0.60	1.00	0.88	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.68
9	0.00	0.73	1.00	1.00	0.87	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.63
10	0.26	0.42	1.00	1.00	0.70	1.00	1.00	1.00	1.00	0.98	1.00	0.00	1.00	1.00	0.61
11	0.06	0.76	0.97	0.58	0.90	1.00	1.00	1.00	1.00	0.98	1.00	0.00	1.00	1.00	0.59
12	0.00	0.51	0.96	0.84	0.44	1.00	1.00	1.00	1.00	0.96	1.00	0.63	0.96	1.00	0.66
13	0.02	0.63	0.92	0.34	0.01	1.00	1.00	1.00	1.00	0.68	1.00	0.83	1.00	1.00	0.61
14	0.40	0.66	0.77	0.17	0.09	1.00	1.00	1.00	1.00	0.00	1.00	0.97	1.00	1.00	0.53
15	0.90	0.90	0.57	0.00	0.74	1.00	1.00	1.00	1.00	0.03	0.11	0.85	1.00	1.00	0.57
16	0.97	1.00	0.48	0.00	0.89	1.00	1.00	1.00	1.00	0.88	0.00	0.82	1.00	1.00	0.63
17	0.64	0.98	0.99	0.34	1.00	1.00	1.00	1.00	1.00	0.51	0.54	1.00	1.00	1.00	0.70
18	0.00	0.24	0.75	0.80	1.00	0.62	1.00	1.00	1.00	0.00	0.71	1.00	0.95	1.00	0.48
19	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.06	0.13	0.00	0.00	0.20	0.00	0.24	0.03
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot	**3.25**	**10.54**	**12.33**	**9.00**	**7.63**	**13.39**	**11.05**	**12.13**	**14.17**	**10.07**	**11.33**	**6.29**	**14.10**	**14.53**	**248.04**

APRIL 2026	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	10.40	13.1	1231	7.3	223	77.6	95.8	405	54.7	1309	6.4	5.9	6.7	1022	5.0	1310	1024.43	1028.8	8	1020.4	2358	0.1
2	8.65	12.5	1519	4.7	551	68.0	93.7	150	46.9	1520	2.8	4.6	6.6	147	4.0	1623	1020.72	1023.2	1025	1017.1	2355	0
3	11.78	15.9	1505	8.2	6	77.8	91.1	821	67.4	1953	8.0	6.7	8.1	1323	5.2	28	1012.40	1017.3	1	1009.4	1503	0.1
4	11.07	14.5	1316	7.6	533	76.6	90.9	839	58.9	1318	7.0	6.2	7.8	1004	5.4	2015	1013.51	1017.9	651	1005.7	2310	0.6
5	9.43	14.0	1213	2.3	2358	59.6	86.3	2358	35.1	1405	1.6	4.2	5.8	0	3.3	1405	1017.80	1026.6	2357	1007.0	0	0
6	8.23	16.9	1417	-0.1	523	62.7	95.7	538	30.6	1635	0.4	3.8	4.9	846	3.2	1635	1025.86	1027.8	752	1023.9	1704	0
7	12.29	23.3	1405	1.9	507	61.7	93.3	621	27.6	1623	3.8	5.0	6.3	1357	3.8	1055	1022.25	1024.3	18	1019.9	1523	0
8	15.53	26.1	1357	5.2	504	68.3	94.4	510	37.3	1252	8.9	7.1	9.4	1423	5.0	534	1021.77	1023.7	856	1020.1	1623	0
9	12.47	20.0	1103	6.0	2341	68.5	94.5	614	40.9	1319	6.5	6.2	8.6	1128	3.5	2223	1018.91	1023.5	2353	1016.5	1521	0
10	9.00	13.8	1327	5.3	551	55.9	75.4	611	36.7	1303	0.4	3.9	4.4	1338	3.4	1303	1017.86	1024.0	44	1008.3	2359	0
11	10.11	13.5	1255	7.7	759	61.3	90.2	801	35.8	1503	2.7	4.7	6.6	712	3.2	1503	1006.30	1009.1	2358	1002.4	627	0.5
12	9.56	15.8	1215	3.5	2334	70.4	98.4	2359	43.8	1214	4.1	5.1	6.1	1551	4.6	1310	1010.66	1013.4	2345	1008.5	120	1.1
13	7.15	14.1	1553	0.6	449	79.5	99.7	614	50.3	1458	3.4	4.8	6.9	913	3.9	449	1013.94	1016.4	2354	1012.9	56	0.3
14	9.81	17.5	1255	0.6	523	78.7	99.3	607	43.4	1157	5.7	5.8	8.0	2304	3.9	523	1017.23	1017.9	2115	1016.3	0	0.1
15	13.16	17.9	1253	9.6	2322	81.1	95.1	524	55.4	1255	9.9	7.5	8.8	1005	6.2	1858	1015.38	1017.2	2357	1013.6	1255	0.2
16	13.00	18.4	1254	9.6	2339	73.8	91.4	2344	47.3	1256	8.2	6.7	7.8	838	6.0	1256	1018.77	1020.6	2331	1016.6	336	0
17	13.32	18.4	1534	9.9	519	74.9	96.8	2327	49.1	1536	8.6	6.9	7.7	2215	6.1	1457	1019.39	1020.8	2342	1018.1	1533	0.8
18	11.53	17.5	1435	5.8	514	71.5	98.3	524	36.4	1429	5.8	5.7	7.5	0	4.2	1657	1022.45	1025.4	2358	1020.5	152	0.1
19	9.34	15.8	1237	3.0	517	64.1	96.7	536	35.0	1342	2.1	4.3	5.4	4	3.6	1342	1025.65	1026.8	901	1024.4	1748	0
20	8.68	17.5	1336	1.8	518	69.7	99.0	620	36.7	1257	2.8	4.6	6.0	749	4.0	906	1024.29	1025.6	2357	1022.8	1439	0
21	9.20	16.3	1524	1.9	423	68.0	98.3	539	44.7	1223	3.1	4.7	6.1	1442	3.4	1925	1024.98	1025.9	2223	1023.3	1541	0
22	10.64	19.2	1421	3.6	442	63.4	97.9	539	30.9	1320	3.0	4.6	6.0	943	3.8	1320	1025.72	1028.6	2358	1024.4	1152	0
23	11.71	20.7	1410	4.1	332	64.0	95.0	342	30.9	1640	4.1	5.0	6.8	1222	3.6	1753	1028.87	1031.0	834	1026.8	1733	0
24	10.69	21.4	1421	2.0	331	60.2	96.8	355	22.5	1728	1.7	4.3	5.7	930	2.8	1728	1025.15	1028.2	0	1022.1	1735	0
25	10.98	21.9	1524	-0.6	505	55.0	96.4	529	8.7	1715	-0.7	3.6	5.6	942	1.3	1715	1021.73	1023.4	2320	1019.9	1614	0
26	12.42	21.0	1224	2.9	459	61.6	93.2	512	22.5	1403	4.0	5.0	6.8	830	3.0	1507	1024.46	1026.0	704	1022.8	1728	0
27	13.87	22.6	1444	5.1	523	62.4	96.6	552	21.7	1401	5.5	5.6	7.0	2121	3.4	1403	1023.90	1025.6	712	1021.4	1731	0.7
28	11.37	17.9	1633	6.8	2345	65.1	91.1	549	32.4	1816	4.4	5.2	6.5	1214	3.2	1849	1024.25	1025.7	1104	1022.3	1621	0.1
29	12.74	20.4	1326	5.1	350	53.1	90.1	434	24.7	1407	2.2	4.4	5.5	812	3.5	1444	1023.13	1024.8	1	1021.2	1646	0
30	14.73	23.7	1242	6.0	403	51.4	85.9	403	15.7	1234	3.6	4.8	6.2	1335	2.7	1234	1021.20	1023.4	11	1019.1	1627	0
Total																						4.7
Mean	11.09	18.04		4.58		66.9	93.91		37.48		4.33	5.23	6.73		3.94		1020.43	1023.09		1017.60		
Max	15.53	26.05		9.93		81.1	99.70		67.45		9.87	7.53	9.35		6.16		1028.87	1031.02		1026.79		
Min	7.15	12.48		-0.62		51.4	75.41		8.66		-0.71	3.65	4.44		1.31		1006.30	1009.12		1002.44		

Wokingham Automatic Weather Station
AWS samples taken every 0.5 seconds
x and n refer to maximum and minimum respectively

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
Time = hours and minutes in GMT of extreme values

Readings taken at Wokingham Climatological Station, Emmbrook, Berkshire
Lat 51.425 N, Long 0.853 W, NGR (SU) 798701
Altitude 45 m ASL.

Temperature and humidity are from an aspirated Vaisala HMP45 unit
Pressure is from a Setra CS100 sensor
Data is logged on a Campbell Scientific CR10X measurement and control system
R tot = Rainfall from TBR, uncorrected

Appendix 1.

Explanation and definition of some of the terms used in the Wokingham Weather Reports.

Average: Generally refers to the 30 year climatological average, currently 1981 to 2010. This will be next updated in 2020. For some parameters, notably wind, the climatological average is not available, and if the word average is used in the context of wind, it refers to the average for the period for which data is held, namely 1988 to present.

For sunshine, there was a change, in July 1999, in the type of instrument used to detect sunshine amount, making the climatological average based on the old instrument of little use. In general, the new instrument produces higher values in the winter half year, and lower ones in the summer half, than the old type, due to a combination of faster reaction and higher sensitivity than the old type. The average used in this case is based on a theoretical equivalent 1981 to 2010 average, drawn from comparison with the Met Office published tables of departure from climatological average sunshine in the months since 2000 for their area 'Southern England'. Users of the Wokingham Monthly Weather reports should be aware of this, and regard anomalies for sunshine published therein as a guide only, until such time has elapsed since the introduction of the new instrument that a genuine average becomes available.

Mean: The mean of the data under discussion, often the monthly mean of daily data. The mean is obtained by summation of the individual values and dividing by the number of values. The term 'daily mean' in respect of temperature is defined as '(max + min) / 2' . A true daily 24 hour (00 to 24 GMT) mean temperature is available from the Automatic Weather Station (AWS), and is currently published on page 7 of the Wokingham Monthly Weather report, on the Wokingham Weather web site, page 1. http://www.woksat.info/wwp1.html

Anomaly: When a value is given for anomaly, this will have one of the following meanings:

a): The departure of a mean from the current climatological average.

b): The departure of a value on a particular day from the average for that day, (this need not be a climatological average).

When the word anomaly is used in respect of temperature, any values given are in °C. In respect of rainfall or sunshine, percent. In respect of wind, mph. In respect of pressure, millibars (hpa).

Categories: Reference may be made in the reports to 'categories'. Each category has a strict statistical range, as outlined below.

Temperature: The terms cold/mild are used in the winter half year, and cool/warm in the summer half.
The term 'normal' is used when the individual mean (monthly, seasonal or annual) value is within 20 % of the median of all ranked values for that month/season/year.
Mild/warm: The value lies between 10 % and 30 % below the highest value in the ranked series.
Very mild/very warm: The value lies within 10 % of the highest value in the ranked series.
Cold/cool: The value lies between 10 % and 30 % above the lowest value in the ranked series.
Very cold/very cool: The value lies within 10 % of the lowest value in the ranked series.

Sunshine: The terms for sunshine are very sunny, sunny, normal, dull and very dull.
The definition of these terms follow the same rules as for temperature.

Rainfall: The terms for rainfall are very dry, dry, normal, wet and very wet.
The definition of the term 'normal' follows the same rule as for temperature and sunshine.
Wet: The value lies between 10 % and 30% of the highest value in the ranked series.
Very wet: The value lies within 10 % of the highest value in the ranked series.
Dry: The value lies between 10 % and 30 % above the lowest value in the ranked series.
Very dry: The value lies within 10 % of the lowest value in the ranked series.

Long-term: Mention may be made in the reports to the 'long-term'. The long-term record comprises a temperature/rainfall/sunshine data series compiled from records of various weather stations in the Wokingham area in the years prior to the establishment of the weather station at Emmbrook in 1976 together with data from this station.
In the case of monthly max, min and mean temperature and of rainfall total the series starts in 1882. For temperature extremes, the highest max and lowest min go back to 1904, and lowest max and highest min to 1913.

Rank: The word rank refers to the position of a value for a particular month/season/year in the ranked series, and may be expressed relative to either the highest or lowest value in the series. The central value in the ranked series is known as the **median**. This value may be different from the average of the whole series if the population is skewed. It can also be different from the climatological average which only refers to a 30 year period.

Month: Calendar month.
Season: Spring, March to May.
Summer, June to August
Autumn, September to November
Winter, December to February.
When discussing 'winter', if a single year is given this refers to the year in which the January/February fall.
Annual or Year: The calendar year, 1st January to 31st December.

The climatological day: runs from 0900 to 0900 GMT. The max temperature and rainfall read at 0900 hours are attributed to the previous day (thrown back), as is the duration of measurable rain. The min temperature and grass min read at 0900 hours are attributed to the day of reading. Pressure read at 0900 GMT, and the monthly mean pressure is the mean of the 0900 GMT readings. Sunshine data, wind data, rainfall rate data and 24 hour data from the AWS use the normal 00-24 GMT day.

Frost: An air frost day is recorded when the minimum temperature read at 0900 GMT on that day is –0.1°C or below. A ground frost day is recorded when the grass minimum temperature read at 0900 GMT on that day is –0.1 °C or lower.
Duration of air frost is defined as the number of minutes that the AWS one minute average temperature is below 0.0°C, and the day runs from midnight to midnight.

Snow: A day with snow falling is triggered if snow falls at any time in the 24 hours from midnight on that day. A day with snow lying is entered if there is at least 50% snow cover at the 0900 GMT observation.
Snow depth is the depth of undrifted snow. Snow that collects in the raingauge funnel is melted and the amount recorded as rainfall.

Hail: A day of hail is recorded if hailstones 5 mm or more in diameter are observed or recorded on the hail pad in a 24 hour period starting at midnight.
A day of small hail is recorded if hailstones less than 5 mm diameter are observed or recorded in a 24 hour period starting at midnight. The term small hail also includes various other types of ice meteor such as ice pellets, snow grains and some types of snow pellets.

Fog: A day with fog is recorded if the horizontal visibility at 0900 GMT is below 1000 m.

Thunder: A day of thunder is recorded if thunder is heard in the 24 hour period from midnight on that day. The appearance of lightning without thunder being heard does not qualify as a thunder day.

Trace of rainfall: A trace of rain, entered as 'tr' in the daily log, is recorded if rain is observed to fall but is of insufficient quantity to collect in the raingauge, or if the amount of rain in the gauge is less than 0.05 mm.

Dry spell: A dry spell is defined as a period of 5 or more consecutive dry days.
Dry day: A dry day is one with less than 0.2 mm of rainfall.
Rain day: A rain day is one with 0.2 mm or more of rainfall.
Wet day: A wet day is one having 1.0 mm or more of rainfall.

B J Burton. 3 August 2009. Updated 4 May 2014.

Appendix 2.

Explanation and decode for code figures used in the Wokingham 0900 and 1500 GMT observations

VV : Visibility.
Code figures 00 to 50 are in km and tenths e.g. 01 = 0.1 km = 100 m, 33 = 3.3 km, 50 = 5.0 km
Code figures 60 to 80. Subtract 50 to obtain visibility in km. e.g. 56 = 6 km, 65 = 15 km, 77 = 27 km.
Code figures 81 to 89. Subtract 50 and add 5 for every one above 80. e.g. 83 = 45 km, 86 = 60 km.
Code figure 89 = visibility above 70 km.

N : Total cloud amount in okta (eighths of sky covered). 9 = sky obscured (e.g. by fog or snow)

dd : Wind direction in tens of degrees from true north. Wind is measured at a height of 10 m, and the direction is the mean over a period of 10 minutes ending at the observation time.

ff : Wind speed in knots, measured at 10 m, and is the mean over a period of 10 minutes ending at observation time.

gg : Wind gust in knots at 10 m. The highest gust in the 60 minutes up to observation time.

TT : Air temperature at 1.2m, degrees C and tenths.

TdTd : Dew point temperature at 1.2m, degrees C and tenths.

RH : Relative humidity at 1.2m, %.

r : Humidity mixing ratio (amount of water vapour per kg of air), grams and tenths.

PPP : Air pressure reduced to MSL, millibars and tenths.

a : Characteristic of pressure tendency during the past 3 hours.
Code figures 0 to 3, pressure higher than 3 hours ago, 5 to 8, pressure lower than 3 hours ago

Code figure 0 = Increasing then decreasing, pressure the same as or higher than 3 hours ago
1 = Increasing then steady or increasing more slowly
2 = Increasing steadily or unsteadily
3 = Decreasing or steady then increasing, or increasing then increasing more rapidly
4 = Steady, pressure the same as 3 hours ago
5 = Decreasing then increasing, pressure lower than 3 hours ago
6 = Decreasing then steady or decreasing more slowly
7 = Decreasing steadily or unsteadily
8 = Steady or increasing then decreasing, or decreasing then decreasing more rapidly

ppp : 3 hour pressure tendency in tenths of a millibar

ww : Present weather code figures, 00 to 99.

Present weather decode:
00 = Cloud development not observed or not observable
01 = Clouds generally dissolving or becoming less developed
02 = State of sky on the whole unchanged
03 = Clouds generally increasing or becoming more developed
04 = Visibility reduced by smoke, e.g. veldt or forest fires, industrial smoke or volcanic ashes.
05 = Haze, visibility reduced by extremely small dry particles (RH less than appx. 95 %)
06 = Widespread dust in suspension, not raised by the wind near the station at the time of the observation
07 = Dust or sand raised by the wind at or near the station at the time of the observation, but no well-developed dust whirls or sand whirls, and no duststorm or sandstorm seen: In marine environments, blowing spray at the station.
08 = Well-developed dust or sand whirls seen at or near the station during the preceding hour or at the time of the observation, but no duststorm or sandstorm.
09 = Duststorm or sandstorm within sight at the time of the observation, or at the station during the preceding hour

10 = Mist
11 = Patches of shallow fog not deeper than 2 metres on land
12 = More or less continuous shallow fog not deeper than 2 metres on land
13 = Lightning visible, no thunder heard
14 = Precipitation within sight, not reaching the ground
15 = Precipitation within sight , reaching the ground more than 5 km from the station
16 = Precipitation within sight, reaching the ground, near to but not at the station
17 = Thunderstorm, but no precipitation at the time of the observation
18 = Squalls at or within sight of the station at the time of the observation or during the preceding hour
19 = Funnel cloud(s) at or within sight of the station at the time of the observation or during the preceding hour

20 = Drizzle (not freezing) at the station during the preceding hour but not at the time of the observation
21 = Rain (not freezing) at the station during the preceding hour but not at the time of the observation
22 = Snow at the station during the preceding hour but not at the time of the observation
23 = Rain and snow or ice pellets at the station during the preceding hour but not at the time of the observation
24 = Freezing drizzle or freezing rain at the station during the preceding hour but not at the time of the observation
25 = Shower(s) of rain at the station during the preceding hour but not at the time of the observation
26 = Shower(s) of snow or rain and snow at the station during the preceding hour but not at the time of the observation
27 = Shower(s) of hail or rain and hail at the station during the preceding hour but not at the time of the observation
28 = Fog or ice fog at the station during the preceding hour but not at the time of the observation
29 = Thunderstorm, with or without precipitation at the station during the preceding hour but not at the time of the observation

30 = Slight or moderate duststorm or sandstorm has decreased during the preceding hour
31 = Slight or moderate duststorm or sandstorm with no appreciable change during the past hour
32 = Slight or moderate duststorm or sandstorm has begun or increased during the past hour
33 = Severe duststorm or sandstorm has decreased during the preceding hour
34 = Severe duststorm or sandstorm with no appreciable change during the past hour
35 = Severe duststorm or sandstorm has begun or increased during the past hour
36 = Slight or moderate drifting snow generally below eye level
37 = Heavy drifting snow generally below eye level
38 = Slight or moderate blowing snow generally above eye level
39 = Heavy blowing snow generally above eye level

40 = Fog or ice fog at a distance at the time of the observation, but not at the station during the preceding hour, the fog extending to a level above that of the observer.
41 = Fog or ice fog in patches
42 = Fog or ice fog, sky visible has become thinner during the past hour
43 = Fog or ice fog, sky invisible has become thinner during the past hour
44 = Fog or ice fog, sky visible no appreciable change during the past hour
45 = Fog or ice fog, sky invisible no appreciable change during the past hour
46 = Fog or ice fog, sky visible has begun or become thicker during the past hour
47 = Fog or ice fog, sky invisible has begun or become thicker during the past hour
48 = Fog, depositing rime, sky visible
49 = Fog depositing rime, sky invisible

50 = Drizzle, not freezing, intermittent slight at time of observation
51 = Drizzle, not freezing, continuous slight at time of observation
52 = Drizzle, not freezing, intermittent moderate at time of observation
53 = Drizzle, not freezing, continuous moderate at time of observation
54 = Drizzle, not freezing, intermittent heavy at time of observation
55 = Drizzle, not freezing, continuous heavy at time of observation
56 = Drizzle, freezing, slight
57 = Drizzle, freezing, moderate or heavy (dense)
58 = Drizzle and rain, slight
59 = Drizzle and rain, moderate or heavy

60 = Rain, not freezing, intermittent slight at time of observation
61 = Rain, not freezing, continuous slight at time of observation
62 = Rain, not freezing, intermittent moderate at time of observation
63 = Rain, not freezing, continuous moderate at time of observation
64 = Rain, not freezing, intermittent heavy at time of observation
65 = Rain, not freezing, continuous heavy at time of observation
66 = Rain, freezing, slight
67 = Rain, freezing, moderate or heavy
68 = Rain or drizzle and snow, slight
69 = Rain or drizzle and snow, moderate or heavy

70 = Intermittent fall of snowflakes slight at time of observation
71 = Continuous fall of snowflakes slight at time of observation
72 = Intermittent fall of snowflakes moderate at time of observation
73 = Continuous fall of snowflakes moderate at time of observation
74 = Intermittent fall of snowflakes heavy at time of observation
75 = Continuous fall of snowflakes heavy at time of observation
76 = Diamond dust (with or without fog)
77 = Snow grains (with or without fog)
78 = Isolated star-like snow crystals (with or without fog)
79 = Ice pellets

80 = Rain shower(s), slight
81 = Rain shower(s), moderate or heavy
82 = Rain shower(s), violent
83 = Shower(s) of rain and snow mixed, slight
84 = Shower(s) of rain and snow mixed, moderate or heavy
85 = Snow shower(s), slight
86 = Snow shower(s), moderate or heavy
87 = Shower(s) of snow pellets or small hail, with or without rain or rain and snow mixed, slight
88 = Shower(s) of snow pellets or small hail, with or without rain or rain and snow mixed, moderate or heavy
89 = Shower(s) of hail, with or without rain or rain and snow mixed, not associated with thunder, slight
90 = Shower(s) of hail, with or without rain or rain and snow mixed, not associated with thunder, moderate or heavy

91 = Slight rain at time of observation, thunderstorm during the past hour but not at time of observation
92 = Moderate or heavy rain at time of observation, thunderstorm during the past hour but not at time of observation
93 = Slight snow, or rain and snow mixed, or hail at time of observation, thunderstorm during the past hour but not at time of observation
94 = Moderate or heavy snow, or rain and snow mixed, or hail at time of observation, thunderstorm during the past hour but not at time of observation
95 = Thunderstorm, slight or moderate, without hail but with rain and or snow at time of observation
96 = Thunderstorm, slight or moderate, with hail at time of observation
97 = Thunderstorm, heavy, without hail but with rain and or snow at time of observation
98 = Thunderstorm combined with duststorm or sandstorm at time of observation
99 = Thunderstorm, heavy, with hail at time of observation

Hail includes large hail, small hail and snow pellets.

W1, W2 : Past weather (for 0900 and 1500 GMT observations, the period covered is 3 hours)

Code figures:
0 = Cloud covering half or less of the sky throughout the period
1 = Cloud covering more than half the sky during only part of the period
2 = Cloud covering more than half the sky throughout the period
3 = Sandstorm, duststorm or blowing snow
4 = Fog or ice fog or thick haze (visibility less than 1000 m)
5 = Drizzle
6 = Rain
7 = Snow or rain and snow mixed
8 = Shower(s)
9 = Thunderstorm(s) with or without precipitation

Nh : Amount of low cloud, or medium cloud if no low cloud present, okta

Cl : Type of low cloud

0 = No low cloud
1 = Cumulus with little vertical extent and seemingly flattened, or ragged Cumulus other than bad weather, or both
2 = Cumulus of moderate or strong vertical extent, either accompanied or not by other Cumulus or Stratocumulus all having their bases at the same level
3 = Cumulonimbus whose summits, at least partially, lack sharp outline, but are neither clearly fibrous (cirriform), nor in the form of an anvil; Cumulus, Stratocumulus or Stratus may also be present
4 = Stratocumulus formed by the spreading out of Cumulus; Cumulus may also be present
6 = Stratus in a more or less continuous sheet or layer, or ragged shreds, or both, but no Stratus fractus of bad weather
7 = Stratus fractus of bad weather or Cumulus fractus of bad weather or both (pannus), usually below Altostratus or Nimbostratus
8 = Cumulus and Stratocumulus other than that formed by the spreading out of Cumulus, the bases of the Cumulus and Stratocumulus are not at the same level.
9 = Cumulonimbus, the upper part of which is clearly fibrous (cirriform), often in the form of an anvil, either accompanied or not by any other type(s) of low cloud
/ = Types of low cloud invisible due to darkness, fog, blowing dust or sand or other similar phenomena.

'Bad weather' denotes the conditions which generally exist during precipitation and a short time before and after.

Cm : Type of medium cloud.

0 = No medium cloud.
1 = Altostratus, the greater part of which is semi-transparent; through this part the sun or moon may be weakly visible, as through ground glass
2 = Altostratus, the greater part of which is sufficiently dense to hide the sun or moon, or Nimbostratus
3 = Altocumulus, the greater part of which is semi-transparent; the various elements of the cloud change only slowly and are all at a single level
4 = Altocumulus in patches (often in the form of almonds or fishes), the greater part of which is semi-transparent ; the clouds occur at one or more levels and the elements are continually changing in appearance
5 = Altocumulus in bands semi-transparent, of Altocumulus in one or more fairly continuous layers (semi-transparent or opaque), progressively invading the sky; these Altocumulus clouds generally thicken as a whole
6 = Altocumulus resulting from the spreading out of Cumulus (or Cumulonimbus)
7 = Altocumulus in two or more layers, usually opaque in places, and not progressively invading the sky; or opaque layer of Altocumulus not progressively invading the sky; or Altocumulus together with Altostratus or Nimbostratus
8 = Altocumulus with sproutings in the form of small towers or battlements, or Altocumulus having the appearance of cumuliform tufts
9 – Altocumulus of a chaotic sky, generally at several levels
/ = Types of medium cloud invisible owing to darkness, fog, blowing dust of sand or other similar phenomena, or more often because of the presence of a continuous layer of lower clouds.

Ch : Type of high cloud

0 = No high cloud
1 = Cirrus in the form of filaments, strands or hooks, not progressively invading the sky.
2 = Dense cirrus, in patches or entangled sheaves, which usually do not increase and sometimes seem to be the remains of the upper part of a Cumulonimbus; or Cirrus with sproutings in the form of small turrets or battlements, or Cirrus having the appearance of cumuliform tufts
3 = Dense Cirrus, often in the form of an anvil, being the remains of the upper part of Cumulonimbus, or where the rest of the Cumulonimbus is below the horizon
4 = Cirrus in the form of hooks or filaments, or both, progressively invading the sky; they generally become denser as a whole
5 = Cirrus (often in bands converging towards one or two opposite points on the horizon) and Cirrostratus, or Cirrostratus alone; in either case they are progressively invading the sky, and generally growing denser as a whole, but the continuous veil does not reach 45 degrees above the horizon.
6 = Cirrus (often in bands converging towards one or two opposite points on the horizon) and Cirrostratus, or Cirrostratus alone; in either case they are progressively invading the sky, and generally growing denser as a whole; the continuous veil extends more than 45 degrees above the horizon, without the sky being totally covered
7 = Veil of Cirrostratus covering the celestial dome.
8 = Cirrostratus not progressively invading the sky and not completely covering the celestial dome
9 = Cirrocumulus alone, or accompanied by Cirrus or Cirrostratus, or both, but Cirrocumulus is predominant.
/ = Types of high cloud invisible owing to darkness, fog, blowing dust of sand or other similar phenomena, or more often because of the presence of a continuous layer of lower clouds.

8 Groups
N = Amount of cloud reported by C, okta.

C = Type of cloud
0 = Cirrus (Ci)
1 = Cirrocumulus (Cc)
2 = Cirrostratus (Cs)
3 = Altocumulus (Ac)
4 = Altostratus (As)
5 = Nimbostratus (Ns)
6 = Stratocumulus (Sc)
7 = Stratus (St)
8 = Cumulus (Cu)
9 = Cumulonimbus (Cb)
/ = Cloud type not visible owing to darkness, fog, duststorm, or other analogous phenomena.

hshs = Height of cloud above station level reported by type C

00 to 50 = Height in hundreds of feet
51 to 55 Not used
56 to 80 = Subtract 50 to obtain cloud height in thousands of feet
81 to 88 = Height of cloud between 35000 and 70000 ft in 5000 ft steps.