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 — MARCH 2026

Temperature (°C)		Anomaly	Rank in the past **145** years		
Mean maximum	13.4	+1.8	12th highest		
Mean minimum	4.2	+1.0	12th highest		
Daily mean	8.8	+1.4	7th highest		
Highest maximum	20.1	on 18th	Lowest maximum	9.0	on 6th
Highest minimum	8.5	on 2 & 24	Lowest minimum	-1.2	on 22nd
Mean grass minimum	1.1	+1.3	Lowest grass minimum	-5.1	on 22nd
Mean earth @30 cm	9.2	+1.9	Earth @100 cm	9.2	+1.5
Frost duration (hrs)	4.5		Rain duration (hrs)	21.4	
Rainfall total (mm)	32.5	79%	53rd lowest		
Highest daily fall	14.1	on 12th	Highest rate mm/hr	81	on 13th
Number of: Dry days (<0.2mm)	20	Wet days (>0.9mm) 6	days ≥5mm	2	
Sunshine total (hrs)	158.0	Daily mean 5.10	126%	Sunniest day	11.9 on 21st
N° days with: Air frost	1	Ground frost 14	Snow falling 0	Snow lying 0	
Thunder	0	Hail ≥5mm 0	Small hail/ice 2	Fog @09 1	Nil sun 5

Pressure MSL : Mean @09 GMT, mbar 1019.2 +3.6 Highest 1032.6 on 29th Lowest 997.5 on 13th

Relative humidity : Mean (%) 76.8 Lowest 25 on 21st Water vapour (g/kg), mean at 09 and 15 GMT 5.4, 5.5

Overall mean wind speed (mph) 7.4 Windiest day 16.8 on 12th Max gust 50 on 13th

Wind direction (days) N 1 NE 6 E 4 SE 0 S 4 SW 10 W 5 NW 1

Least windy day (mph) 2.2 on 22nd Calm; less than 0.5 mph (minutes) n/a

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

Notes: **Mild and Quite Sunny with Rainfall Below Average**

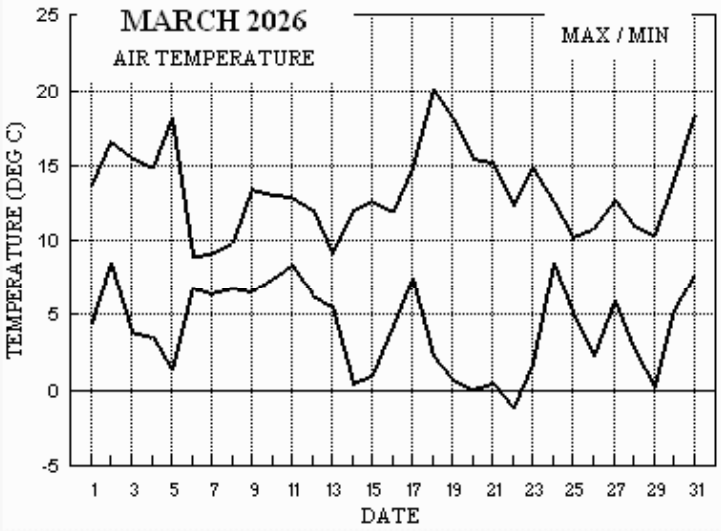
Temperature: The mean this March ranks 7th highest since before 1882, is 2.2° above the long-term median, and is 1.0° below the record set in 2017. The mean maximum is 2.2° below the record set in 1938, and the mean minimum is 2.1° below the record set in 1981. In this millennium, only 2024, 2019 and 2017 have had a milder March. The highest max is 3.3° above the median and the lowest max is 4.2° above its median and is 7th highest in 114 years. The highest min is 0.4° below the median while the lowest min is 2.7° above the median and 8th highest in 123 years. The lowest grass min is 3.7° above average and is 3rd highest in this millennium. The number of air frosts is 5 fewer than average, with 2 fewer ground frosts than average. Earth temperature at both 30cm and 1m depth are new high records, both 0.2° above the previous highest in 2024, also the lowest daily value at both depths is a new high record. Daily anomalies for maximum air temperature were above +5° on the 2nd to 5th, 18th, 19th and 31st, and failed to exceed -2°, with extreme values of +9.0° on the 18th and -1.7° on the 13th. Anomalies for daily min were above +5° on the 2nd and 11th and exceeded -3° on the 14th, 20th, 22nd and 29th, with extreme values of +6.4° on 2nd and -4.6° on 22nd. **Rainfall:** This has been a fairly dry March with 21% less rainfall than average, and 7.6 mm less than the long-term median. In recent years, since 2015, it is 3rd driest after 2021 and last year, which was the driest March in 50 years. Most of this month's rain fell between the 6th and 12th, in fact the total for just two of those days, the 6th and 12th combined, accounts for 71% of this month's total, and there was a good deal of dry weather, with 3 more dry days than average, and 2 dry spells, one of 6 days to the 5th and the other of 8 days to the 23rd. Although the rainfall accumulation compared with normal was 7 mm in surplus on the 12th, it ended the month 9 mm in deficit. There was no thunder or snow this month, but small hail (ice pellets) together with snow pellets fell on the 25th, and snow pellets were again observed on the 28th. The rainfall rate was in the violent category during rain showers on the 13th, 15th and 24th. The duration of rainfall was only 47% of average, compared with 79% for rainfall amount, attesting to the showery nature of the month. **Sunshine:** While this has been quite a sunny March, the daily mean ranks only 7th highest in this millennium. It is worth remembering that last March was the sunniest in over 100 years, but at the other extreme, as recently as 2023 we had the 5th dullest March in 119 years. This March, the 4 days to the 21st were outstandingly sunny, with a mean of 11.1 hours/day, but at the other extreme, the 4 days to the 9th gave a total of only 0.6 hours. Accumulation of daily sunshine was about normal until the 17th, becoming a surplus of 32 hours by the 23rd, with little further change until the month's end. **Wind:** The mean speed is 0.2 mph below average, but the mean speed of 16.8 mph on the month's windiest day is 1.8 mph above average, and the month's highest gust is 4 mph above average. Daily mean speed was strong on the 12th, 13th, 24th and 25th, and fresh on the 10th, 11th, 15th and 28th to 30th, otherwise was light or moderate. Daily mean direction was between N and E from 3rd to 8th and 18th to 22nd, was Westerly on 14th and 25th to 31st, otherwise was between S and W.

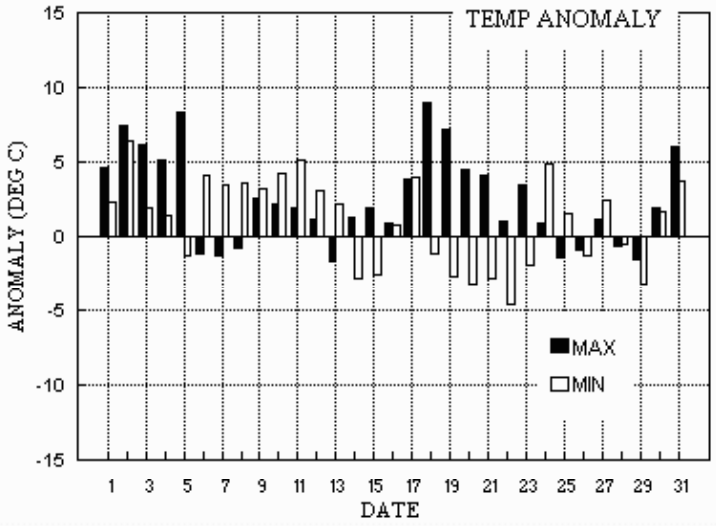
Table 1. Mean anomalies (max, min, rain, sun) for specified periods.

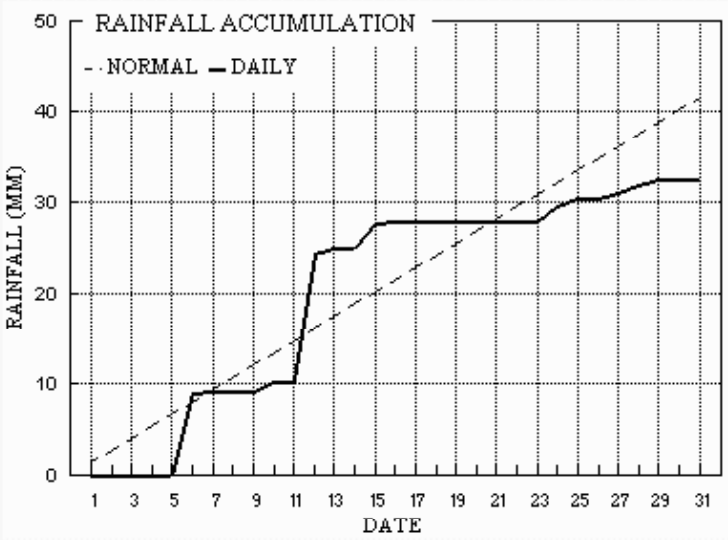
From the 1st to the 10th				From the 11th to the 20th				From the 21st to the 31st			
+3.3°	+2.9°	77%	88%	+3.0°	+0.3°	131%	164%	+1.3°	+0.0°	32%	126%

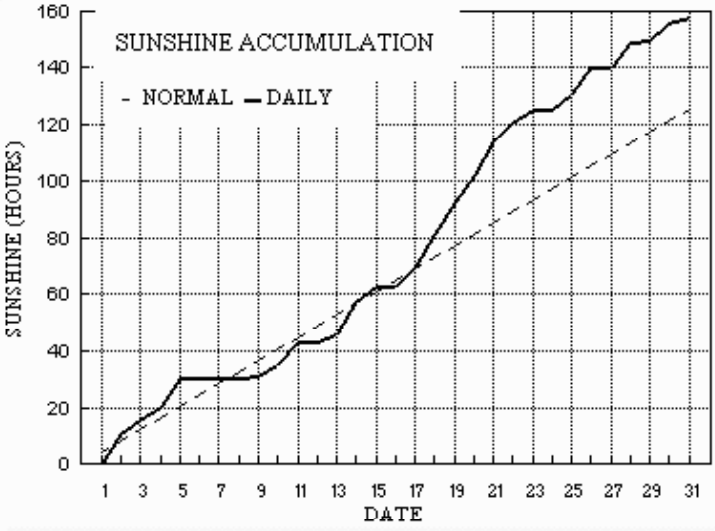
B J Burton FRMetS. Hon. Met. Officer to Wokingham Town Council.

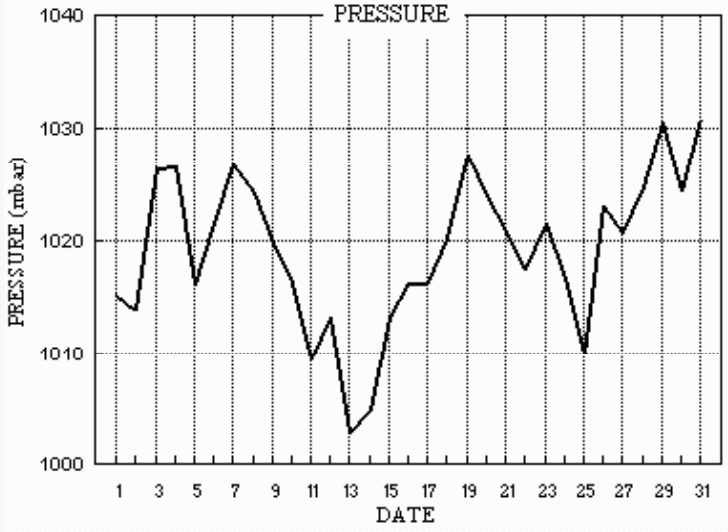
Wokingham climatological graphs for March 2026

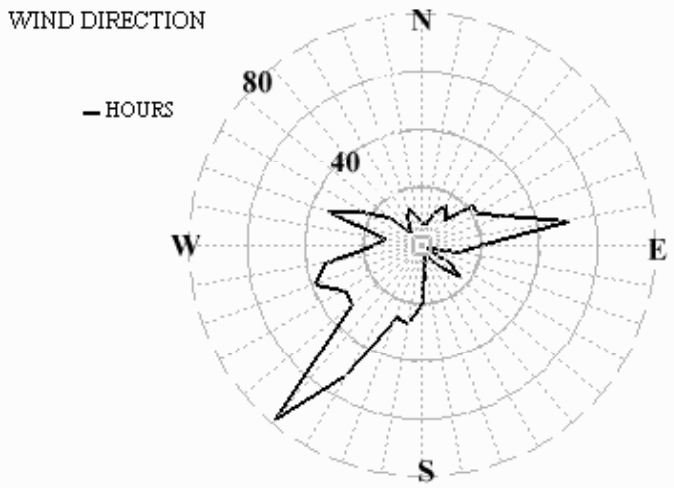


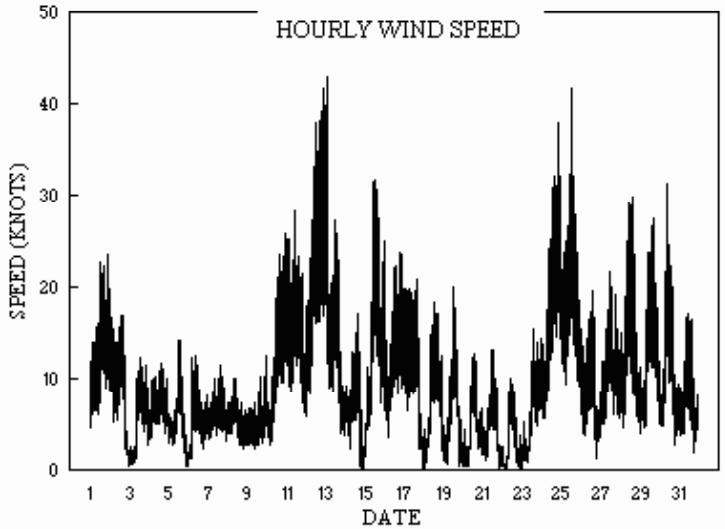


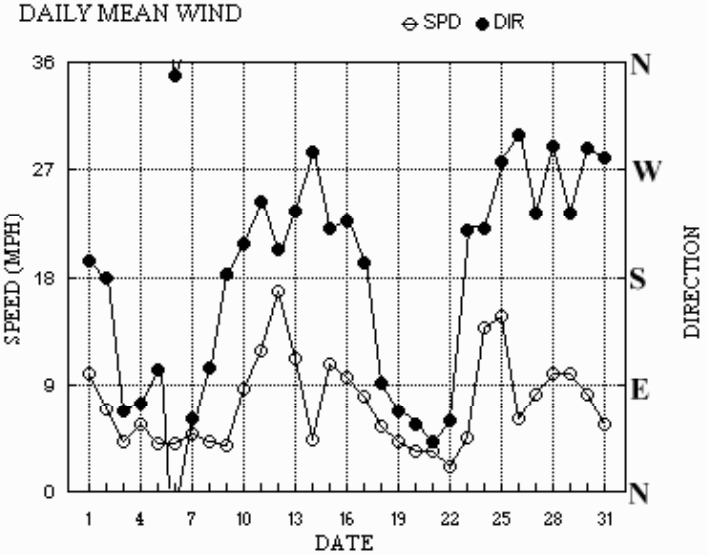












Daily meteorological data. Emmbrook, WOKINGHAM, Berkshire.

Month: MARCH 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	13.7	4.4	tr	-0.8	9.1	8.8	0.5	0.0	1015.2	0 1 0 0		0 0 0 0		194	8.4	8.7	192	24	2135	212	13	14	0.3
2	16.6	8.5	0.0	6.3	9.2	8.8	10.3	0.0	1013.8	0 0 0 0		0 0 0 0		180	6.0	6.0	182	17	1330	191	10	15	0.0
3	15.6	3.9	0.0	0.3	9.1	8.9	4.6	0.0	1026.4	0 0 0 0		0 0 0 0		67	3.3	3.6	91	12	1310	69	7	14	0.0
4	14.9	3.5	0.0	-0.6	9.1	9.0	5.3	0.0	1026.6	0 1 0 0		0 0 0 1		74	4.9	5.0	71	12	1515	77	7	16	0.0
5	18.2	1.3	0.0	-2.0	8.9	9.0	9.8	0.0	1016.0	0 1 0 0		0 0 0 0		103	3.0	3.5	117	14	1150	130	7	13	0.0
6	9.0	6.8	8.9	3.2	9.0	9.0	0.0	0.0	1021.5	0 0 0 0		0 0 0 0		349	3.2	3.6	333	13	0825	324	6	05	10.2
7	9.1	6.4	0.3	6.6	9.1	9.0	0.0	0.0	1026.8	0 0 0 0		0 0 0 0		62	4.0	4.3	71	12	1505	77	5	14	0.3
8	9.9	6.8	tr	7.5	9.2	9.0	0.0	0.0	1024.3	0 0 0 0		0 0 0 0		105	3.3	3.7	113	10	0850	92	6	09	0.0
9	13.4	6.6	tr	7.0	9.3	9.1	0.6	0.0	1019.8	0 0 0 0		0 0 0 0		182	2.8	3.4	216	13	2205	214	7	22	0.0
10	13.1	7.5	1.1	3.2	9.5	9.1	4.4	0.0	1016.2	0 0 0 0		0 0 0 0		208	7.4	7.5	199	26	2300	198	13	23	0.9
11	12.9	8.3	tr	5.8	9.7	9.2	7.7	0.0	1009.4	0 0 0 0		0 0 0 0		243	9.5	10.3	266	29	0940	265	13	09	0.0
12	12.1	6.3	14.1	3.1	9.5	9.3	0.3	0.0	1013.2	0 0 0 0		0 0 0 0		204	14.5	14.6	207	42	2220	204	18	22	3.9
13	9.1	5.5	0.5	4.0	9.5	9.3	2.8	0.0	1002.7	0 0 0 0		0 0 0 0		235	9.4	9.7	248	43	0225	217	18	00	0.3
14	12.0	0.5	0.0	-3.1	9.1	9.4	11.1	0.0	1004.9	0 1 0 0		0 0 0 0		284	3.5	3.9	291	17	1515	291	8	15	0.0
15	12.7	0.9	2.8	-2.8	8.7	9.3	5.2	0.0	1013.2	0 1 0 0		0 0 0 0		221	8.8	9.3	209	32	1250	213	16	11	1.5
16	11.9	4.3	0.1	0.4	8.6	9.2	0.2	0.0	1016.2	0 0 0 0		0 0 0 0		227	8.2	8.4	258	25	0010	243	11	13	0.3
17	14.9	7.5	0.0	7.3	9.1	9.2	6.6	0.0	1016.2	0 0 0 0		0 0 0 0		192	6.5	7.0	181	21	1600	185	11	15	0.0
18	20.1	2.2	0.0	-1.3	9.3	9.2	11.5	0.0	1020.2	0 1 0 0		0 0 0 0		92	4.4	4.8	111	19	1330	108	9	13	0.0
19	18.2	0.7	0.0	-3.6	9.3	9.2	11.6	0.0	1027.6	0 1 0 0		0 0 0 0		67	3.6	3.7	84	20	1220	83	10	12	0.0
20	15.5	0.1	0.0	-3.7	9.2	9.3	9.5	0.0	1023.8	0 1 0 0		0 0 0 0		56	2.9	3.0	46	13	1345	65	7	13	0.0
21	15.2	0.4	0.0	-3.8	9.3	9.3	11.9	0.0	1020.8	0 1 0 0		0 0 0 0		43	2.8	3.0	29	13	1135	84	7	13	0.0
22	12.3	-1.2	0.0	-5.1	9.1	9.3	7.0	4.5	1017.4	1 1 0 0		0 0 0 0		60	1.6	1.9	86	10	1150	70	5	11	0.0
23	14.9	1.7	0.0	-1.6	9.1	9.3	4.9	0.0	1021.5	0 1 0 0		0 0 0 0		219	3.3	3.9	213	16	1435	222	8	14	0.0
24	12.5	8.5	1.7	6.2	9.6	9.3	0.0	0.0	1016.6	0 0 0 0		0 0 0 0		221	11.5	11.9	248	38	2110	219	17	20	1.2
25	10.2	5.1	1.0	3.0	9.7	9.4	5.1	0.0	1009.9	0 0 0 0		0 0 1 0		277	12.4	12.8	279	42	1315	282	17	13	0.4
26	10.8	2.2	0.0	-2.0	9.1	9.4	9.5	0.0	1023.1	0 1 0 0		0 0 0 0		299	4.4	5.4	276	20	1555	304	8	16	0.0
27	12.7	5.9	0.5	2.8	9.3	9.4	0.0	0.0	1020.6	0 0 0 0		0 0 0 0		233	6.1	7.1	214	22	1245	217	11	12	1.0
28	11.0	2.8	0.8	-2.3	9.5	9.4	8.9	0.0	1024.8	0 1 0 0		0 0 1 0		289	8.3	8.6	305	30	1505	292	13	10	0.3
29	10.4	0.2	0.7	-3.8	9.0	9.4	0.7	0.0	1030.6	0 1 0 0		0 0 0 0		234	8.5	8.7	232	28	1710	218	14	15	0.8
30	14.1	5.3	tr	1.1	8.9	9.4	5.9	0.0	1024.4	0 0 0 0		0 0 0 0		288	6.1	7.2	292	31	1120	296	14	11	0.0
31	18.4	7.7	0.0	3.4	9.1	9.3	2.1	0.0	1030.8	0 0 0 0		0 0 0 0		280	4.3	4.9	286	17	1220	293	9	12	0.0
Total			32.5				158.0	4.5															21.4
Mean	13.4	4.2		1.1	9.2	9.2	5.10	0.1	1019.2					228	3	6.4							
Anom	+1.8	+1.0	79%	+1.3	+1.9	+1.5	126%		+3.6														

Daily mean 8.8 Pressure, abs highest = 1032.6 on 29

Anom +1.4 Pressure, abs lowest = 997.5 on 13

Number of days with:

Air frost = 1 Ground frost = 14 Nil sun = 5

Snow falling = 0 Snow lying = 0 Thunder = 0

Hail=>5mm = 0 Hail<5mm or ice = 2 Fog at 09GMT = 1

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 MARCH 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	70	7	19	08	16	10.3	7.4	82	6.3	1015.2	6	003	15	5	2	7	5	4	7	8	83612	86620			/Ac60 /Cs70 jpS
2	82	5	17	05	12	10.6	6.0	73	5.8	1013.8	2	017	02	2	2	1	1	4	4	2	81815	83071		2	1Ac66 2Ci80 COTRA Cu hum
3	50	5	08	04	07	9.5	8.3	92	6.7	1026.4	1	021	10	1	1	3	5	6	3	1	81635	83650		3	1Ac68 2Ci72 COTRA Sc cas
4	08	8	07	04	10	6.7	6.3	97	5.8	1026.6	1	002	44	4	2	8	6	0	/	/	88701			4	
5	27	0	07	04	07	7.5	7.4	99	6.3	1016.0	6	004	10	4	0	0	0	9	0	0				5	
6	57	8	34	05	13	7.8	5.1	83	5.4	1021.5	1	026	05	2	2	8	6	3	/	/	88709			6	
7	40	8	07	06	10	6.8	6.7	99	6.0	1026.8	0	004	20	5	2	8	7	2	/	/	88703			7	
8	15	8	10	06	10	7.7	7.6	99	6.4	1024.3	0	001	51	5	4	8	7	1	/	/	88702			8	
9	10	8	12	03	07	7.5	6.9	96	6.1	1019.8	0	004	28	4	2	8	6	0	/	/	88701			9	
10	84	7	23	06	09	9.4	5.8	78	5.7	1016.2	0	001	03	2	2	3	8	4	7	2	82815	85358	86364	10	2Sc56 /Ci75 Cu fra/hum
11	62	2	26	11	21	9.8	5.2	73	5.5	1009.4	2	030	03	1	1	2	8	5	8	0	81825			11	1Sc35 1Ac68 Cu fra Ac cas
12	80	7	20	14	25	11.0	5.3	68	5.5	1013.2	7	020	03	2	2	7	8	5	/	8	83822	86630	87275	12	COTRA Cu hum
13	80	8	23	08	15	6.6	1.9	72	4.4	1002.7	1	013	02	2	2	1	5	7	1	7	81650	83467	88270	13	Halo 22° part
14	86	2	31	04	09	5.3	2.1	80	4.5	1004.9	2	023	02	0	0	0	0	9	0	2	82070			14	Ci flo/spi
15	84	1	21	10	17	8.6	4.0	73	5.1	1013.2	6	011	02	1	1	1	1	4	4	0	81818			15	1Ac59 Cu fra
16	65	7	21	06	12	7.5	4.1	79	5.1	1016.2	2	011	02	2	2	7	5	6	/	/	81645	87656		16	
17	68	8	19	10	17	9.8	6.7	81	6.1	1016.2	0	004	20	5	2	8	5	4	/	/	87612	88615		17	
18	80	1	10	05	07	12.8	7.3	69	6.3	1020.2	1	015	02	0	0	0	0	9	0	1	81080			18	Ci edge W
19	63	1	07	05	09	9.2	5.0	75	5.3	1027.6	0	010	02	0	0	0	0	9	0	1	81081			19	COTRA
20	57	7	04	03	05	7.4	3.5	76	4.8	1023.8	0	000	05	2	2	1	0	9	4	1	81362	87080		20	COTRA
21	80	6	04	04	07	7.1	4.1	81	5.0	1020.8	0	001	02	2	2	0	0	9	0	1	86078			21	COTRA
22	50	5	10	03	06	5.1	3.3	88	4.8	1017.4	0	002	05	1	1	1	6	1	0	1	81702	85081		22	COTRA
23	45	8	27	01	02	8.4	5.5	82	5.6	1021.5	1	011	05	2	2	0	0	9	0	7	88270			23	Halo 22° faint
24	68	8	22	09	15	10.5	7.4	81	6.3	1016.6	8	004	02	2	2	8	5	4	/	/	88612			24	
25	62	8	29	12	24	5.6	2.4	80	4.5	1009.9	2	040	61	6	2	8	5	4	/	/	86615	88630		25	
26	82	3	33	06	11	6.0	1.0	70	4.0	1023.1	1	015	03	0	0	3	1	4	0	0	83818			26	Cu hum
27	77	7	21	07	14	10.4	6.4	76	5.9	1020.6	7	004	03	2	2	7	5	4	7	/	85613	86645		27	/Ac65
28	80	1	28	12	22	7.6	0.6	61	3.9	1024.8	1	012	03	0	0	1	1	5	0	0	81828			28	Cu fra
29	80	8	22	06	09	7.3	2.0	69	4.3	1030.6	8	012	03	2	2	3	0	9	4	7	83363	88275		29	Halo 22° part
30	62	2	28	12	19	10.3	3.1	61	4.7	1024.4	2	014	03	1	1	1	8	5	0	1	81825			30	1Sc35 1Sc50 2Ci75 COTRA Cu hum
31	78	8	29	07	11	12.2	7.9	75	6.5	1030.8	1	006	02	6	2	8	5	4	/	/	86616	88640		31	

Mean vis = 20.4 km
Mean cloud = 5.5 69%
Mean wind speed = 6.6 kn
Mean gust = 12 kn
Mean TT = 8.5 °C
Mean TdTd = 5.0 °C
Mean RH = 79.6 %
Mean r = 5.4 g/kg
Mean PPP = 1019.2 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 MARCH 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	65	7	21	12	21	12.8	8.5	75	6.9	1014.3	6	004	25	8	2	7	8	4	/	/	85815	87625		1	Cu med jp S&N
2	85	1	18	10	17	15.6	6.6	55	6.0	1014.3	3	003	02	0	0	1	0	9	4	1	81368			2	1Ci80 COTRA
3	75	7	06	07	12	14.7	7.5	62	6.3	1026.6	8	004	02	2	2	7	5	6	/	/	82633	86656		3	El hz pat
4	56	0	08	06	11	14.7	8.9	68	7.0	1022.2	7	031	05	1	1	0	0	9	0	0				4	
5	81	0	13	06	14	17.8	6.7	48	6.1	1013.2	7	017	02	0	0	0	0	9	0	0				5	El hz lyr Sky turbid
6	25	8	01	04	07	7.9	7.5	97	6.3	1022.4	6	004	63	6	2	6	7	2	2	/	86705	88515		6	
7	45	8	07	06	09	8.9	8.3	96	6.7	1025.8	7	014	10	2	2	8	6	2	/	/	87703	88705		7	
8	35	8	15	02	07	9.7	7.6	87	6.4	1022.4	6	014	05	2	2	8	6	3	/	/	87706	88708		8	
9	57	7	18	02	08	12.1	9.5	84	7.3	1017.5	7	019	05	2	2	6	6	4	3	/	86710			9	2Ac60
10	86	6	21	11	20	12.2	4.7	60	5.3	1013.5	7	020	02	1	1	3	1	6	4	1	83833	84359		10	2Ci75 Cu hum
11	84	3	26	12	21	12.5	2.9	52	4.7	1013.3	2	013	15	8	1	3	4	6	6	0	83840			11	1Sc50 1Ac57 Cu med jpNW&N
12	68	8	20	15	26	10.9	8.5	85	6.9	1008.4	8	031	21	6	5	8	5	3	/	/	87709	88615		12	
13	86	7	22	10	22	7.1	0.5	63	4.0	1000.5	7	016	25	8	2	1	8	6	7	8	81835	87270		13	1Sc50 1Ac59 1Ac66 Cu med Cs edgeNW Halo 22° part
14	88	2	32	06	13	11.3	-1.1	42	3.5	1006.6	2	006	02	0	0	2	2	6	4	3	82848			14	1Ac60 1Ci70 Cu med Cb top dist W
15	50	8	20	15	27	11.0	6.4	73	6.0	1008.4	8	028	60	6	2	8	5	5	/	/	86622	88630		15	
16	82	7	25	10	19	12.1	5.9	66	5.8	1016.6	7	003	02	2	2	7	8	5	7	/	83825	86635	87357	16	Cu hum
17	75	1	17	08	18	14.6	6.2	57	5.9	1013.9	7	018	02	1	1	1	1	6	0	0	81830			17	Cu hum
18	89	1	10	07	14	19.8	5.1	38	5.4	1020.2	6	004	02	0	0	0	0	9	0	1	81080			18	Ci edge WNW
19	70	1	09	07	14	17.7	3.6	39	4.8	1024.7	6	019	02	0	0	0	0	9	0	1	81078			19	Ci edge N
20	70	7	05	06	11	15.4	4.2	47	5.1	1020.8	6	018	02	2	2	2	0	9	8	1	82361	87075		20	COTRA El hz lyr
21	89	2	03	04	08	14.6	-4.7	26	2.7	1018.0	6	018	02	1	1	0	0	9	0	1	82080			21	
22	75	8	12	04	08	11.8	2.3	52	4.4	1015.8	6	009	03	2	2	3	0	9	7	7	83368	88272		22	Parhelia+U/a cont
23	58	7	22	07	14	14.3	6.2	58	5.8	1020.3	6	008	05	2	2	2	4	6	3	1	81833	86367		23	2Sc40 /Ci72 Cu hum Sky turbid
24	81	7	21	13	28	12.3	8.4	77	6.8	1010.9	7	038	02	2	2	7	5	4	/	/	87612			24	
25	70	5	29	13	29	9.2	-0.7	50	3.6	1012.4	1	012	15	8	1	5	9	6	0	3	81935	83845		25	1Sc50 1Ci68 jp all quads ex S vv70k ex p
26	86	6	31	06	15	10.7	-3.7	36	2.8	1022.9	7	007	03	1	1	1	1	7	3	1	81850	85363		26	2Ci75 COTRA Cu hum
27	62	8	21	08	18	12.1	9.7	85	7.4	1017.7	7	016	61	6	6	7	7	3	2	/	87709	86618	88550	27	
28	65	4	31	12	25	9.2	0.9	56	4.0	1026.1	1	007	27	8	1	2	9	6	6	3	82940	83068		28	1Cu50 1Ac57 1Ac63 jpSE,S&N vv60k ex SE
29	82	8	22	11	20	8.7	5.3	79	5.4	1025.1	8	040	21	6	2	7	5	5	2	/	82620	85630	87645	29	8As65
30	81	5	31	09	19	13.0	1.4	45	4.1	1025.5	2	008	02	2	2	5	4	6	0	0	82848	84650		30	Cu hum
31	88	5	34	04	12	17.3	8.2	55	6.6	1028.9	7	012	02	2	2	5	4	6	6	0	82840	83650		31	1Ac57 Cu med

Mean vis = 32.0 km
Mean cloud = 5.2 65%
Mean wind speed = 8.2 kn
Mean gust = 16 kn
Mean TT = 12.6 °C
Mean TdTd = 4.9 °C
Mean RH = 61.7 %
Mean r = 5.5 g/kg
Mean PPP = 1017.7 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
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ww = Present weather code (Code FM12-4677)
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covers past 3 hours.
Nh = Amount of low cloud present, oktas
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Cm = Type of medium cloud (Code FM12-0515)
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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-Mar	02-Mar	03-Mar	04-Mar	05-Mar	06-Mar	07-Mar	08-Mar	09-Mar	10-Mar	11-Mar	12-Mar	13-Mar	14-Mar	15-Mar	16-Mar
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	0.00	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
6	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.39	0.16	0.00
7	0.00	0.95	0.11	0.00	1.00	0.00	0.00	0.00	0.00	0.05	0.32	0.00	0.00	1.00	1.00	0.00
8	0.03	0.84	0.46	0.00	1.00	0.00	0.00	0.00	0.00	0.29	1.00	0.10	0.02	1.00	1.00	0.00
9	0.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.24	0.58	0.13	0.05	1.00	0.66	0.00
10	0.00	1.00	0.31	0.00	1.00	0.00	0.00	0.00	0.00	0.56	0.47	0.04	0.00	1.00	0.67	0.00
11	0.00	1.00	0.01	0.00	1.00	0.01	0.00	0.00	0.00	1.00	0.82	0.00	0.00	0.93	0.94	0.17
12	0.00	1.00	0.69	0.85	1.00	0.00	0.00	0.00	0.00	0.66	0.34	0.00	0.17	0.96	0.36	0.06
13	0.41	1.00	0.45	1.00	1.00	0.00	0.00	0.00	0.00	0.13	0.84	0.00	0.43	1.00	0.11	0.00
14	0.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.33	0.33	0.83	0.00	0.47	0.96	0.00	0.00
15	0.01	1.00	0.37	1.00	1.00	0.00	0.00	0.00	0.05	0.50	0.79	0.00	0.39	1.00	0.00	0.00
16	0.03	1.00	0.03	1.00	0.76	0.00	0.00	0.00	0.21	0.60	0.90	0.00	0.98	1.00	0.00	0.00
17	0.00	0.55	0.19	0.48	0.00	0.00	0.00	0.00	0.04	0.00	0.73	0.00	0.30	0.88	0.28	0.00
18	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
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	**0.48**	**10.33**	**4.63**	**5.34**	**9.78**	**0.01**	**0.00**	**0.00**	**0.63**	**4.38**	**7.69**	**0.27**	**2.82**	**11.11**	**5.17**	**0.23**

Hour	17-Mar	18-Mar	19-Mar	20-Mar	21-Mar	22-Mar	23-Mar	24-Mar	25-Mar	26-Mar	27-Mar	28-Mar	29-Mar	30-Mar	31-Mar	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.00
6	0.00	0.60	0.55	0.05	0.74	0.58	0.00	0.00	0.00	0.73	0.00	1.00	0.62	0.87	0.00	0.21
7	0.00	1.00	1.00	0.57	1.00	1.00	0.00	0.01	0.00	0.79	0.00	1.00	0.01	0.60	0.00	0.37
8	0.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.92	0.00	1.00	0.00	1.00	0.00	0.44
9	0.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.15	0.80	0.00	0.95	0.00	0.36	0.00	0.42
10	0.00	1.00	1.00	0.75	1.00	1.00	0.86	0.00	0.33	0.97	0.00	0.70	0.06	0.51	0.07	0.43
11	0.56	1.00	1.00	1.00	1.00	0.96	1.00	0.00	0.43	0.96	0.00	0.51	0.00	0.19	0.27	0.48
12	1.00	1.00	1.00	1.00	1.00	1.00	0.91	0.00	0.73	0.88	0.00	0.34	0.00	0.33	0.05	0.49
13	1.00	1.00	1.00	1.00	1.00	0.49	0.24	0.00	0.53	0.99	0.00	0.46	0.00	0.18	0.62	0.48
14	1.00	1.00	1.00	1.00	1.00	0.00	0.59	0.00	0.61	1.00	0.00	0.55	0.00	0.81	0.07	0.50
15	1.00	1.00	1.00	1.00	1.00	0.00	0.83	0.00	0.77	0.93	0.00	1.00	0.00	0.47	0.00	0.49
16	1.00	1.00	1.00	1.00	1.00	0.00	0.44	0.00	0.60	0.51	0.00	0.47	0.00	0.29	0.48	0.46
17	1.00	0.93	1.00	0.13	1.00	0.00	0.00	0.00	0.95	0.00	0.00	0.68	0.00	0.31	0.31	0.32
18	0.00	0.00	0.03	0.00	0.18	0.00	0.00	0.00	0.03	0.00	0.00	0.19	0.00	0.00	0.26	0.02
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	**6.56**	**11.53**	**11.58**	**9.50**	**11.92**	**7.03**	**4.88**	**0.01**	**5.12**	**9.49**	**0.00**	**8.86**	**0.72**	**5.90**	**2.14**	**158.10**

March 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	10.15	14.1	1324	7.3	7	83.7	93.6	711	68.7	1355	7.5	6.4	7.6	1206	5.1	0	1015.28	1019.4	0	1013.8	2255	0.1
2	10.91	17.1	1330	4.8	2355	73.3	95.9	2322	50.3	1323	6.1	5.8	6.4	1108	5.0	2355	1015.00	1021.3	2358	1011.9	529	0
3	9.15	16.1	1345	3.9	151	81.3	97.8	238	55.4	1432	5.9	5.7	6.8	953	4.6	2354	1025.91	1028.5	2315	1021.1	0	0
4	8.05	15.3	1528	3.5	234	89.0	99.0	2356	64.1	1502	6.2	5.8	7.1	1438	4.5	138	1024.24	1028.3	9	1019.5	2354	0
5	9.64	18.6	1330	1.3	611	79.0	100.0	411	45.6	1401	5.6	5.6	7.4	938	4.1	611	1015.68	1019.6	0	1012.7	1621	0
6	7.71	9.0	1154	6.8	2359	91.2	98.3	2353	79.0	1121	6.3	5.9	6.3	513	5.3	828	1021.84	1026.5	2339	1016.0	7	8.9
7	7.59	9.1	1511	6.4	612	96.9	98.7	821	93.7	1804	7.1	6.2	6.8	1511	5.7	427	1026.32	1027.4	1124	1025.5	1513	0
8	8.46	9.9	1536	7.4	705	93.9	98.8	724	84.8	1528	7.5	6.3	6.8	1303	5.9	2358	1023.23	1025.6	0	1021.2	2327	0.3
9	8.98	13.4	1642	6.6	651	90.5	97.0	727	77.7	1507	7.5	6.4	7.5	1631	5.7	227	1018.79	1021.3	6	1016.7	1638	0
10	10.01	13.7	1428	8.1	734	79.2	95.7	0	52.8	1429	6.4	5.9	6.7	155	4.9	1226	1014.09	1017.1	123	1007.2	2359	0.2
11	9.71	13.5	1448	6.3	2159	71.3	95.4	402	47.7	1446	4.4	5.3	7.5	404	4.2	1623	1011.67	1018.8	2319	1004.5	338	0.9
12	9.93	12.1	1040	6.3	108	81.0	92.0	2333	67.4	1046	6.8	6.2	7.8	2356	4.6	3	1010.36	1018.5	0	998.9	2352	1.4
13	6.52	11.5	32	1.8	2359	75.7	92.5	55	51.2	1257	2.4	4.6	7.8	45	3.7	1324	1000.71	1003.1	946	997.5	150	13.2
14	5.42	12.4	1357	0.5	519	72.6	95.9	529	36.3	1519	0.2	3.9	4.7	935	3.1	1519	1005.97	1012.9	2354	1000.2	4	0.2
15	6.79	13.2	1208	0.9	11	79.1	94.7	550	52.0	1131	3.3	4.8	6.8	1645	3.4	4	1011.63	1014.6	520	1007.4	1622	2.8
16	8.77	12.3	1212	4.3	336	77.4	86.9	2310	62.0	1213	5.0	5.4	6.6	2301	4.3	325	1015.80	1017.3	2258	1012.4	1	0
17	10.46	15.5	1527	5.0	2359	77.6	94.0	317	52.7	1511	6.5	6.0	6.7	311	5.0	2359	1015.48	1016.8	1	1013.8	1447	0.2
18	10.64	20.8	1423	2.2	557	69.1	98.8	659	35.4	1424	4.3	5.1	6.9	834	4.1	1704	1020.38	1025.7	2354	1015.6	0	0
19	8.99	18.8	1433	0.7	555	67.7	97.1	642	32.8	1436	2.4	4.5	5.9	1036	3.8	1649	1025.83	1027.8	824	1024.1	1625	0
20	7.55	16.0	1435	0.1	609	75.3	97.6	701	42.8	1434	2.9	4.6	5.4	1217	3.6	609	1022.42	1025.3	17	1020.0	1700	0
21	7.25	15.5	1450	0.4	609	66.6	99.0	652	24.9	1357	0.1	3.8	5.2	908	2.6	1357	1019.40	1021.1	713	1017.3	1653	0
22	6.07	12.7	1257	-1.2	608	73.4	96.5	649	43.2	1233	1.2	4.1	5.2	1025	3.3	1801	1017.15	1019.2	2353	1015.6	1531	0.1
23	9.00	15.6	1423	1.7	501	75.5	95.3	559	52.2	1424	4.6	5.2	6.1	1120	4.0	428	1020.25	1021.7	958	1018.8	238	0
24	10.35	12.5	1411	8.0	2330	81.2	90.3	2107	66.3	2313	7.2	6.3	7.2	2106	4.5	2313	1012.45	1019.7	0	1002.7	2053	1.5
25	6.45	10.5	1304	3.5	2350	67.2	83.6	800	40.0	1250	0.6	4.0	4.7	37	3.0	1250	1010.87	1019.0	2359	1003.7	24	1.2
26	6.63	11.3	1456	2.2	512	60.7	84.6	628	34.4	1502	-1.0	3.5	4.5	2359	2.7	1502	1022.38	1023.8	1029	1018.9	0	0
27	9.41	12.7	1238	6.2	259	78.2	92.6	1605	62.1	2109	5.8	5.7	7.9	1618	4.1	2149	1019.91	1022.9	27	1017.1	1636	0.5
28	6.87	11.5	1306	2.8	2254	61.3	80.0	653	39.3	1309	-0.3	3.6	4.4	1458	3.1	1309	1026.11	1032.0	2358	1020.9	3	0.8
29	6.68	10.8	1058	0.2	445	78.9	92.5	515	57.3	1135	3.2	4.8	6.4	2027	3.4	428	1027.40	1032.6	356	1020.8	2053	0.7
30	9.48	14.5	1417	5.3	523	63.9	91.0	135	39.9	1418	2.5	4.5	5.8	0	3.8	1557	1025.25	1030.1	2358	1021.4	7	0.1
31	12.22	19.1	1335	7.7	506	69.0	91.6	2310	48.4	1656	6.5	5.9	7.6	1258	4.6	17	1029.68	1031.0	908	1028.2	1706	0
Total																						33.1
Mean	8.58	13.83		3.90		76.8	94.09		53.56		4.34	5.22	6.46		4.19		1018.44	1022.23		1014.36		
Max	12.22	20.75		8.08		96.9	100.00		93.70		7.51	6.40	7.86		5.94		1029.68	1032.62		1028.18		
Min	5.42	8.98		-1.24		60.7	80.00		24.90		-0.97	3.50	4.43		2.63		1000.71	1003.08		997.54		

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.