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 — FEBRUARY 2026

Temperature (°C)		Anomaly	Rank in the past **145** years			
Mean maximum	10.9	+2.1	8th highest			
Mean minimum	5.8	+3.9	*** New highest ***			
Daily mean	8.4	+3.0	**Equal highest**			
Highest maximum	16.9	on 25th	Lowest maximum	5.9	on	18th
Highest minimum	9.9	on 26th	Lowest minimum	0.0	on	14th
Mean grass minimum	3.3	+4.6	Lowest grass minimum	-3.4	on	14th
Mean earth @30 cm	7.7	+2.1	Earth @100 cm	7.9	+0.8	
Frost duration (hrs)	0.0		Rain duration (hrs)	88.3		
Rainfall total (mm)	82.3	174 %	17th highest			
Highest daily fall	13.0	on 5th	Highest rate mm/hr	33	on	27th
Number of: Dry days (<0.2mm)	8	Wet days (>0.9mm) 15	days ≥5mm	7		
Sunshine total (hrs)	56.9	Daily mean 2.03 67 %	Sunniest day	8.5	on	25th
N° days with: Air frost	0	Ground frost 5	Snow falling 0	Snow lying	0	
Thunder	0	Hail ≥5mm 0	Small hail/ice 0	Fog @09	0	Nil sun 7
Pressure MSL : Mean @09 GMT, mbar	1002.6	-14.1	Highest 1021.3	on 21st	Lowest 975.7	on 11th
Relative humidity : Mean (%)	86.4	Lowest 40	on 17th	Water vapour (g/kg), mean at 09 and 15 GMT	6.1,	6.1
Overall mean wind speed (mph)	7.5	Windiest day 12.2	on 26th	Max gust	37	on 20th
Wind direction (days)	N 2	NE 2	E 5	SE 3	S 5	SW 7 W 3 NW 1
Least windy day (mph)	3.0	on 1st	Calm; less than 0.5 mph (minutes)	n/a		

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

Notes: **Wet, Dull and Very Mild.**

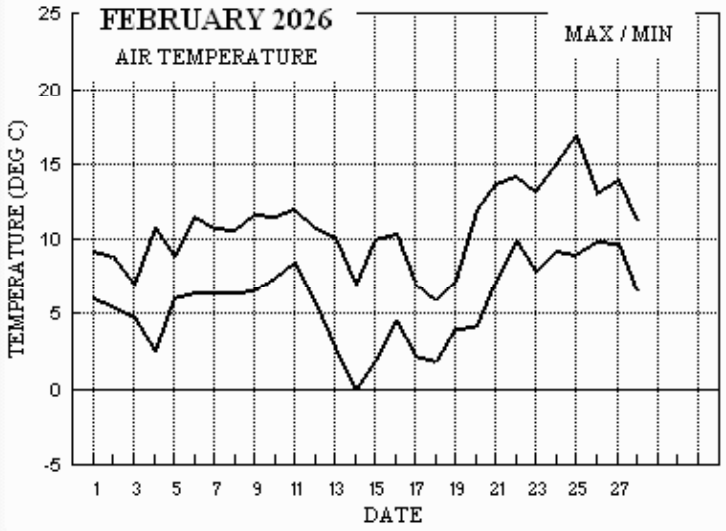
Temperature: Another record month, the mean temperature is equal highest with 2024 in the past 145 years, and the mean minimum is a new record highest, 0.5° above the previous highest in 2024. This has been a winter month with no cold weather, and only 1 night, the 14th, had a minimum below normal, then by only 0.5°, and no air frost for only the 4th February in the past 71, the average being 10 days. The highest max is 3.8° above the long-term median and the lowest max is 3.5° above its median. The highest min is 1.7° above the median and the lowest min is 4.8° above its median and is 4th highest in 123 years. The mean grass min is 4.6°above the 47 year average, and the month's lowest value is 6.7° above average and is highest in the same period. The number of days with ground frost is 11 fewer than average and lowest in the past 47 years. Earth temperature at 30cm depth is 2.1° above average, but is only 0.8° above average at 1 m depth. Anomalies for daily max were over +6°on the 22nd, 24th and 25th, and exceeded -1° on the 18th, with extreme values of +8.5 ° on 25th and -1.4° on 18th. Anomalies for daily min were above +7° on 11th, 22nd, and 24th to 27th, with extreme values of +8.5° on 22nd and -0.5° on 14th. **Rainfall:** This has been a wet February, 174% of average and 4th wettest this millennium, including as recently as 2024 which had 37.8 mm more than in this month. In the long-term this month's fall ranks 17th highest, 42.6 mm above the median. There were 7 fewer dry days than average, equal lowest since 2010. There were no exceptionally wet days, the wettest day having 13.0 mm, just 2.8 mm above the median. Rainfall duration was 168% of average, a similar anomaly to the rainfall amount, but the 88.3 hours is highest for any February in the past 33 years. Rainfall was highest during the early part of the month, with 48.4 mm in the first 10 days, and 33.9 mm in the final 18 days. Daily rainfall accumulation compared with normal was 21 mm in surplus by the 5th, increasing to 30 mm by the 11th and 40 mm by the 18th, ending the month 35 mm in surplus after a 4 day dry interlude to the 25th. There was no thunder, hail or snow, and no rainfall rate in the violent category. **Sunshine:** This has been a dull February, the sunshine total only 67% of average. However, it is not the lowest in recent years, as 2024, 2017 and 2011 all had less sun than in February this year. The number of days with nil sun is exactly average. Two periods were particularly dull, 1st to 13th and 18th to 23rd. In that first 13 day period 10 days had <10% of the maximum and in the second period of 6 days, 5 had <10%. The odd days having >50% of the maximum were 4th, 14th, 16th, 17th, 24th and 25th, with the highest being 80% on 14th and 25th. Daily sunshine compared with normal was 28 hours in deficit on the 13th, increasing to 33 hours by the 23rd, decreasing to 28 hours by the 28th. Overall there were 21 days with <3 hours and 3 with =>6 hours. **Wind:** The mean wind speed of 7.5 mph this month is 0.6 mph below average. The mean speed on the month's windiest day is 3.5 mph below average and the highest gust is 10 mph below average. Daily mean speeds were mainly moderate, but were fresh on the 13th, 16th, 18th, 20th, and 26th. Daily mean directions were between N & E on 2nd to 5th, 13th, 14th and 18th, between E & S on 1st and 6th to 10th, between S & W on 11th, 12th, 15th, 16th and 20th to 28th, and between W & N on 17th and 19th. **Pressure:** The overall mean MSL pressure is 2nd lowest for February after 2014 in the past 51 years, likewise the month's absolute highest pressure.

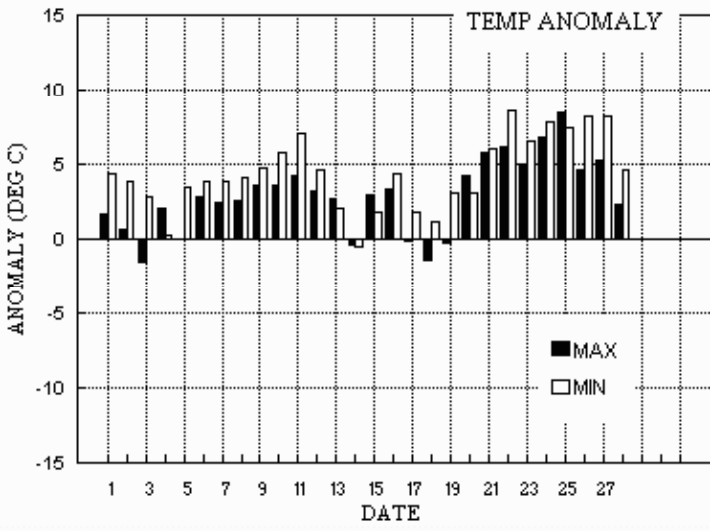
Table 1. Mean anomalies (max, min, rain, sun) for specified periods.

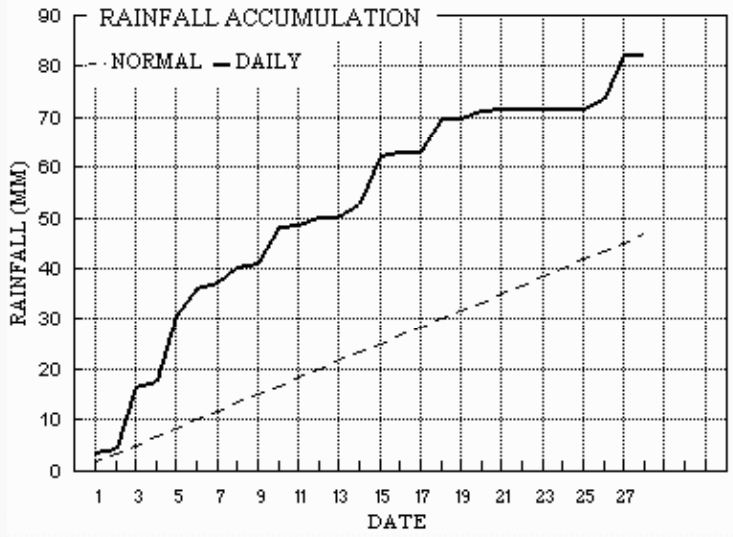
From the 1st to the 10th				From the 11th to the 20th				From the 21st to the 28th			
+1.8°	+3.7°	290%	29%	+1.8°	+2.8°	137%	80%	+5.5°	+7.2°	83%	98%

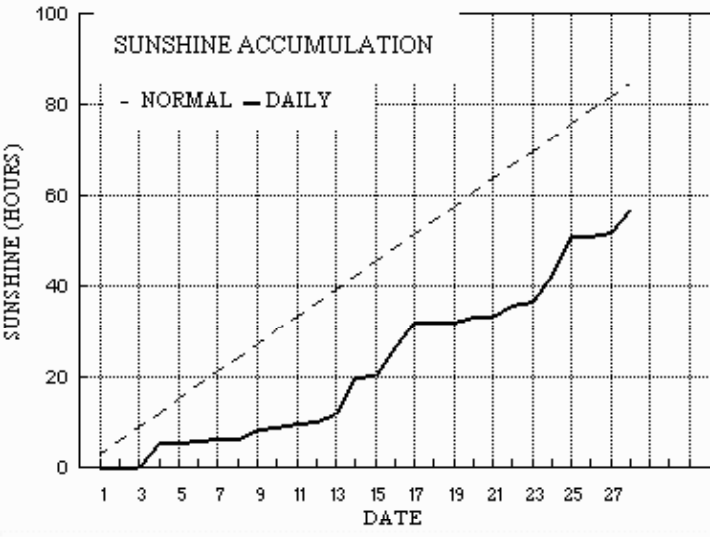
B J Burton FRMetS. Hon. Met. Officer to Wokingham Town Council.

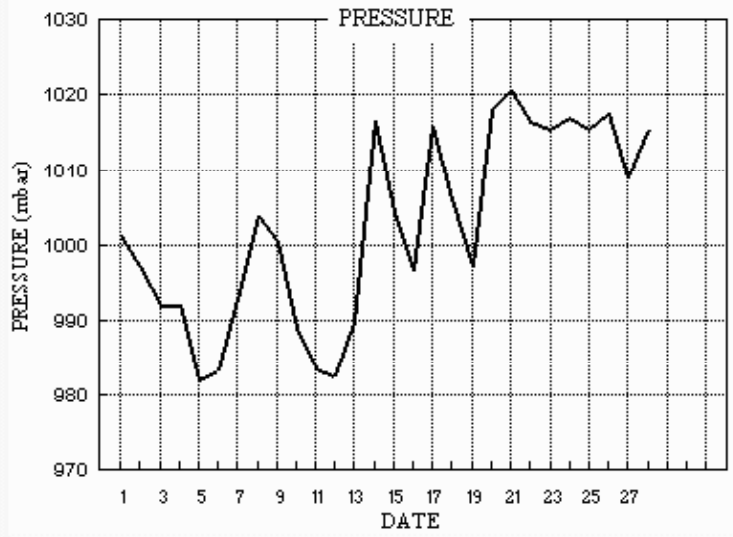
Wokingham climatological graphs for February 2026

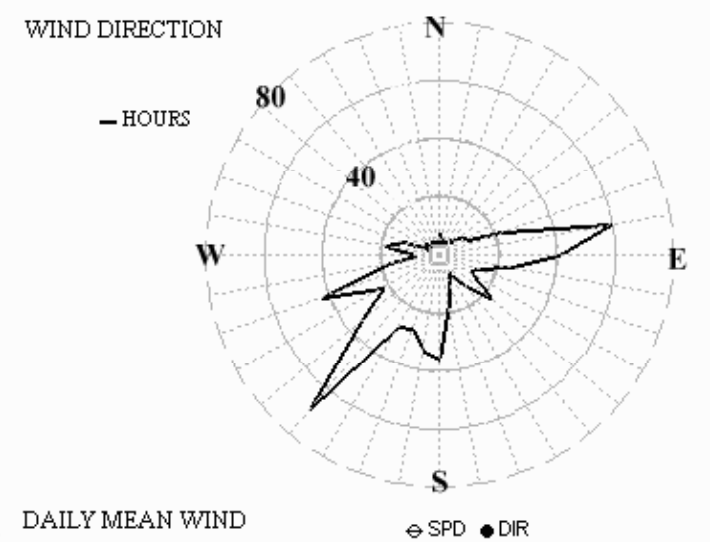


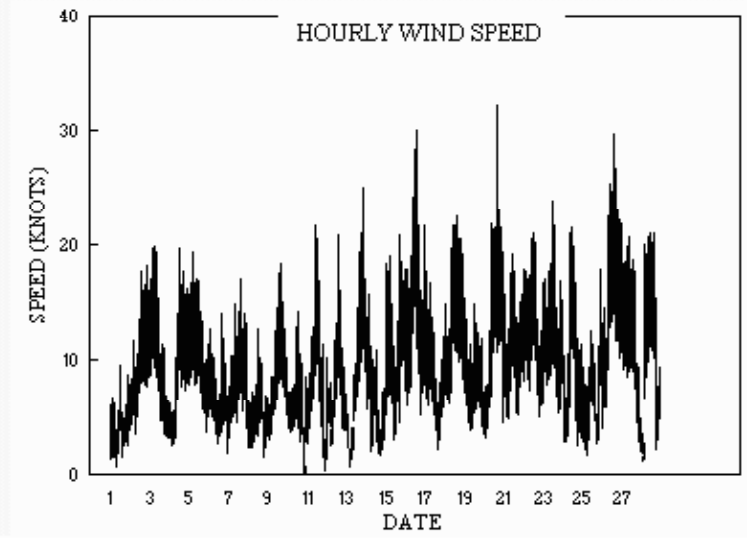


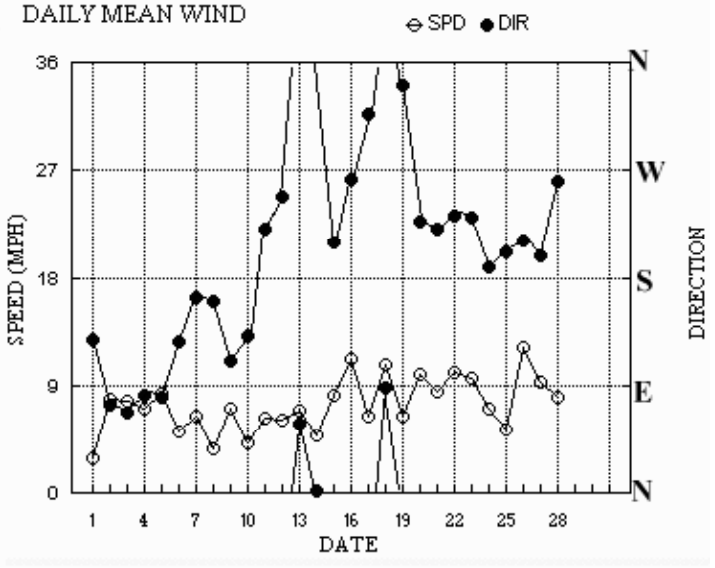












Daily meteorological data. Emmbrook, WOKINGHAM, Berkshire.

Month: FEBRUARY 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	9.3	6.1	3.8	4.5	6.9	7.5	0.0	0.0	1001.3	0	0	0	0	129	1.0	2.6	215	10	1215	212	5	12	6.2
2	8.8	5.6	0.6	0.8	7.1	7.5	0.0	0.0	997.2	0	0	0	0	74	6.6	6.8	96	18	2100	82	10	14	1.5
3	6.9	4.8	12.0	2.3	7.2	7.6	0.0	0.0	992.1	0	0	0	0	67	6.6	6.7	76	20	0545	81	10	04	12.2
4	10.8	2.5	1.2	3.0	7.0	7.6	5.7	0.0	992.0	0	0	0	0	82	6.0	6.1	102	20	1255	99	9	12	3.4
5	8.8	6.1	13.0	1.4	6.9	7.6	0.0	0.0	982.0	0	0	0	0	80	7.3	7.3	75	20	0410	78	9	05	20.0
6	11.5	6.5	5.5	6.6	7.2	7.6	0.4	0.0	983.4	0	0	0	0	126	2.6	4.5	258	14	1630	80	7	02	4.1
7	10.8	6.4	1.1	2.9	7.6	7.7	0.2	0.0	992.9	0	0	0	0	164	5.1	5.5	188	17	1650	188	8	16	0.8
8	10.7	6.4	3.3	3.5	7.7	7.7	0.2	0.0	1003.9	0	0	0	0	160	3.1	3.3	181	13	1240	173	6	12	2.3
9	11.6	6.6	0.8	4.4	7.8	7.8	2.0	0.0	1000.5	0	0	0	0	111	6.0	6.2	112	18	1545	118	10	15	2.0
10	11.5	7.4	7.1	6.9	7.9	7.9	0.4	0.0	989.0	0	0	0	0	131	2.4	3.7	211	14	1230	209	7	11	5.9
11	12.0	8.5	0.5	8.2	8.3	8.0	0.7	0.0	983.5	0	0	0	0	220	5.1	5.5	238	22	1200	242	11	11	1.5
12	10.8	5.7	1.4	1.2	8.5	8.1	0.5	0.0	982.6	0	0	0	0	248	5.1	5.4	263	21	1420	263	11	14	2.2
13	10.1	2.8	tr	-1.0	8.3	8.2	1.8	0.0	989.8	0	1	0	0	58	4.9	6.0	40	25	2035	41	12	20	0.0
14	6.9	0.0	2.6	-3.4	8.0	8.3	7.9	0.0	1016.6	0	1	0	0	2	2.4	4.3	21	17	0015	21	9	00	1.6
15	10.0	1.9	9.6	-1.2	7.4	8.2	0.7	0.0	1004.4	0	1	0	0	209	5.8	7.1	262	21	1715	246	11	21	4.5
16	10.4	4.5	0.7	0.8	7.2	8.1	6.0	0.0	996.7	0	0	0	0	262	9.5	9.8	274	30	1320	271	17	13	0.9
17	7.1	2.2	tr	-1.2	7.0	8.0	5.8	0.0	1015.7	0	1	0	0	316	3.0	5.6	297	18	0005	287	8	07	0.0
18	5.9	1.8	6.7	-1.2	6.7	7.9	0.0	0.0	1006.1	0	1	0	0	89	9.1	9.3	95	23	1520	105	12	12	9.8
19	7.2	4.0	tr	3.9	6.6	7.8	0.0	0.0	997.2	0	0	0	0	341	3.0	5.6	69	16	0030	70	9	00	0.3
20	11.9	4.2	1.3	0.7	6.7	7.7	0.9	0.0	1018.1	0	0	0	0	227	8.2	8.6	257	32	1715	251	14	18	1.8
21	13.7	7.2	0.7	5.7	7.1	7.7	0.1	0.0	1020.6	0	0	0	0	220	7.4	7.4	228	19	1005	231	10	10	1.1
22	14.2	9.9	0.0	10.1	8.0	7.7	2.4	0.0	1016.6	0	0	0	0	232	8.4	8.8	242	21	1315	250	12	13	0.0
23	13.2	7.9	tr	3.7	8.3	7.9	0.9	0.0	1015.6	0	0	0	0	230	8.2	8.4	250	24	1330	249	13	13	0.2
24	15.1	9.2	tr	5.9	8.5	8.0	5.9	0.0	1017.1	0	0	0	0	189	5.5	6.2	200	22	1200	199	12	11	0.0
25	16.9	9.0	tr	3.7	8.7	8.2	8.5	0.0	1015.4	0	0	0	0	201	3.9	4.6	226	18	2335	224	9	23	0.0
26	13.1	9.9	1.9	5.5	8.9	8.3	0.0	0.0	1017.5	0	0	0	0	211	10.5	10.6	215	30	1505	214	15	16	1.5
27	13.9	9.8	8.4	9.2	9.2	8.5	0.9	0.0	1008.8	0	0	0	0	199	7.9	8.1	203	22	0150	202	11	01	4.3
28	11.2	6.4	0.1	4.6	9.4	8.6	5.0	0.0	1015.4	0	0	0	0	261	5.6	7.0	277	21	1025	245	12	16	0.2
Total			82.3				56.9	0.0															88.3
Mean	10.9	5.8		3.3	7.7	7.9	2.03	0.0	1002.6					191	2.1	6.5							
Anom	+2.1	+3.9	174%	+4.6	+2.1	+0.8	67%		-14.1														

Daily mean 8.4 Pressure, abs highest = 1021.3 on 21

Anom +3.0 Pressure, abs lowest = 975.7 on 11

Number of days with:

Air frost = 0 Ground frost = 5 Nil sun = 7

Snow falling = 0 Snow lying = 0 Thunder = 0

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

Abbreviations.

Max/min = highest and lowest air temperature at 1.2m in 24 hour period ending at 09 GMT

Rain = total rainfall and melted snowfall in 24 hour period ending at 09 GMT, millimetres. (Tr = trace, <.05mm).

Grass min = Lowest overnight temperature at grass tip level.

Sun = hours of bright sunshine, measured electronically. Frost = Number of hours with air temp below 0 deg C.

pp09 = Air pressure corrected to mean sea level at 0900 GMT, millibars.

Af = Air frost. Gf = Ground frost. Sf = Snow falling. Sl = Snow lying at 09 GMT.

Th = Thunder. Ha = Hail =>5mm. Ic = Hail <5mm or ice. Fg = Fog at 09 GMT.

Vec mean = 24 hour mean wind vector, ddd = direction in degrees from true north, ff = speed in knots.

Sp = 24 hour mean wind speed in knots.

Max gust = Highest gust in 24 hours, gg = speed in knots, HHhh = Time, hours and minutes, GMT.

High hr = Highest hourly mean wind, HH = hour commencing. Rain Hrs = Duration of rain, 24 hours to 09 GMT. Excludes snow/hail.

30cm and 100 cm are earth temperatures at those depths, read at 09 GMT.

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 FEBRUARY 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	8	17	01	03	7.1	6.8	98	6.2	1001.3	3	003	63	6	2	3	5	3	2	/	81708	83635	88540		
2	58	8	08	05	09	7.0	6.7	98	6.2	997.2	7	005	50	5	2	8	5	2	/	/	83705	87708	88620	2	
3	50	8	06	08	20	4.8	3.8	93	5.1	992.1	2	005	61	6	2	7	7	3	2	/	87707	88515		3	
4	57	3	12	06	10	6.9	6.8	99	6.2	992.0	1	002	10	1	1	3	6	3	3	1	83708			4	1Ac57 1Ci75 COTRA
5	25	8	08	09	17	6.5	6.1	97	6.0	982.0	5	001	58	6	5	7	7	2	2	/	87704	88510		5	
6	56	8	09	04	08	8.8	8.7	99	7.2	983.4	2	015	21	6	5	8	7	2	/	/	87703	88705		6	
7	56	7	15	05	12	8.4	7.5	94	6.6	992.9	3	006	51	6	5	7	7	3	/	1	87706	85615		7	/Ci75
8	18	8	15	02	07	7.9	7.8	99	6.6	1003.9	2	015	28	4	2	7	5	3	/	/	88703			8	fog until 0840
9	62	7	13	06	10	7.7	7.1	96	6.3	1000.5	7	008	02	2	2	2	6	3	0	8	82706	87272		9	1Sc50 COTRA
10	50	8	11	04	07	8.5	8.2	98	6.9	989.0	6	011	50	5	2	8	7	2	/	/	87703	88705		10	
11	62	7	22	07	13	10.5	9.7	95	7.7	983.5	3	008	60	6	2	7	7	3	/	/	87706	87650		11	
12	58	8	24	03	06	8.2	7.4	95	6.6	982.6	2	018	10	6	2	8	5	3	/	/	86707	88630		12	
13	17	7	05	02	04	5.6	5.5	99	5.7	989.8	3	009	60	6	2	7	6	1	/	/	86702	83640	85650	13	jf SW
14	80	1	34	05	08	1.9	-1.2	80	3.5	1016.6	2	037	02	0	0	1	6	4	0	0	81710			14	Hoar slt
15	50	8	16	05	14	4.5	3.6	94	4.9	1004.4	7	043	63	6	2	7	7	3	2	/	87706	88515		15	
16	82	1	25	11	19	6.8	3.1	77	4.8	996.7	1	008	02	8	1	1	8	4	0	1	81815			16	1Sc40 1Ci68 Cu fra
17	82	6	29	07	14	3.8	-1.4	69	3.4	1015.7	2	033	03	1	1	0	0	9	0	6	86277			17	
18	81	8	11	08	14	4.9	0.1	71	3.8	1006.1	7	019	02	2	2	8	5	5	/	/	87622	88650		18	
19	56	8	36	05	07	5.3	5.2	99	5.5	997.2	2	038	10	6	2	8	6	3	/	/	88703			19	
20	68	7	21	07	13	7.2	4.5	83	5.2	1018.1	0	003	03	6	2	1	5	6	7	1	81635	85357	86360	20	/Ci75 COTRA
21	65	7	22	09	13	9.9	7.3	84	6.3	1020.6	0	016	02	2	2	7	5	4	/	1	82615	87618		21	/Ci75 COTRA
22	82	8	23	07	14	11.9	10.5	91	7.8	1016.6	2	006	21	6	2	7	5	3	2	/	87609	88556		22	
23	68	7	22	07	15	9.2	6.6	84	6.0	1015.6	3	003	02	2	2	3	5	4	7	1	83613	83365	87072	23	2Ac68 COTRA
24	65	7	19	07	11	12.2	9.9	86	7.5	1017.1	0	000	02	5	2	7	5	3	/	/	85708	87640		24	
25	50	6	18	05	08	10.6	10.0	96	7.6	1015.4	2	008	10	1	1	6	6	2	/	1	86704			25	1Ci80 COTRA
26	75	8	21	13	23	11.5	8.4	81	6.8	1017.5	3	004	03	2	2	7	5	4	2	/	87613	88468		26	
27	57	8	19	08	15	11.1	10.0	93	7.6	1008.8	3	001	50	5	2	8	7	3	/	/	87706	88710		27	
28	70	7	28	10	21	7.8	4.9	82	5.4	1015.4	2	045	21	6	2	7	5	4	7	2	83613	84630	86363	28	3Sc50 /Ci70

Mean vis = 14.4 km
Mean cloud = 6.9 86%
Mean wind speed = 6.3 kn
Mean gust = 12 kn
Mean TT = 7.7 °C
Mean TdTd = 6.2 °C
Mean RH = 90.4 %
Mean r = 6.1 g/kg
Mean PPP = 1002.6 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 FEBRUARY 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	8	13	01	05	9.0	6.8	86	6.2	999.0	8	015	61	6	2	6	8	3	2	/	83808	85640	88550	1	Cu med
2	75	8	08	10	15	8.0	5.3	83	5.6	994.5	6	016	25	8	2	8	8	4	/	/	83814	88633		2	Cu med
3	23	8	04	06	11	4.2	3.9	98	5.1	992.7	5	003	63	6	6	7	7	2	2	/	87705	88512		3	
4	86	1	09	07	13	9.8	5.6	75	5.8	989.2	7	023	01	1	1	1	8	5	3	4	81825			4	1Sc48 1Ac57 1Ci75 COTRA Cu hum
5	40	8	08	06	13	8.2	7.9	98	6.8	981.3	8	004	51	5	6	8	7	2	/	/	87703	88705		5	
6	58	8	19	02	07	10.7	9.4	94	7.7	985.6	3	010	80	8	2	6	8	3	7	/	81706	85628	87360	6	1Cu12
7	70	7	17	07	14	10.5	8.9	90	7.2	994.4	3	006	25	8	2	7	8	3	/	/	81808	83812	87650	7	3Sc35 Cu fra/med jpSW
8	80	8	16	03	10	9.9	7.2	83	6.3	1003.9	6	006	02	2	2	7	5	4	/	8	85612	87620		8	/Cs75
9	81	7	12	10	17	10.6	6.4	75	6.0	996.3	7	026	01	2	2	3	8	4	4	5	83819	86078		9	1Sc30 1Ac68 2Cs72 COTRA Cu med
10	56	8	18	02	08	10.7	9.0	89	7.3	984.5	7	027	60	6	2	7	8	3	2	/	82708	85812	86620	10	8Ns56
11	70	6	22	05	17	10.7	7.6	81	6.7	981.2	8	023	25	8	2	6	8	4	/	1	82815	83630	85650	11	/Ci75 COTRA Cu med jpE&SW vv40k ex p
12	70	8	27	10	21	9.5	6.9	84	6.3	986.6	3	022	21	6	2	7	8	4	7	/	82812	87625		12	/Ac58 Cu fra jpNE vv 50k ex p
13	65	5	07	07	15	8.2	6.2	87	6.0	991.7	3	010	02	2	2	3	8	4	3	8	81811	83275		13	2Cu18 1Sc56 1Ac65 COTRA Cu fra/con Cs edge SE
14	88	7	32	03	07	6.0	-2.8	53	3.1	1018.3	3	003	03	1	1	2	4	6	0	6	81835	87273		14	2Sc38 COTRA Cu hum
15	82	8	22	07	14	9.1	7.9	92	6.7	995.7	7	043	03	6	2	7	5	3	7	/	83707	85615	86360	15	3Sc40 8As64
16	84	4	28	10	21	8.8	4.2	73	5.2	997.7	3	007	25	8	1	1	8	5	6	3	81825	83361		16	1Sc50 2Ci68 Cu med/con Cb top SE
17	84	8	36	04	08	6.2	-4.5	46	2.7	1016.8	5	003	03	2	2	5	0	9	7	8	85368	88272		17	Halo 22° part
18	81	8	10	12	21	5.4	0.8	72	4.1	997.8	7	053	03	2	2	8	5	4	/	/	81615	87619	88625	18	
19	40	8	31	06	14	5.2	3.9	91	5.0	1005.5	2	040	50	5	2	8	5	2	/	/	87705	88615		19	
20	80	7	21	12	21	11.1	9.5	90	7.4	1013.3	6	025	25	8	6	7	8	4	/	/	85710	83625	85640	20	1Cu015 jpW
21	86	8	22	08	17	13.7	10.5	81	7.8	1018.7	7	019	02	2	2	6	5	5	7	8	82618	86622	85361	21	/Ac64 /Cs70
22	82	4	25	10	17	13.6	6.7	63	6.1	1015.8	7	010	01	1	1	2	1	6	0	8	82830	83078		22	1Cs75 COTRA Cu hum Cs edge SE
23	75	8	24	09	21	12.7	7.2	69	6.3	1015.2	7	007	15	2	2	7	5	5	2	/	85628	86656	88558	23	jpN
24	84	3	18	10	19	15.0	8.0	63	6.6	1014.9	6	011	01	1	1	1	1	5	0	1	81825	83080		24	Cu hum
25	80	5	22	05	09	16.9	9.8	63	7.5	1014.8	6	005	02	1	1	1	1	5	0	1	81828	85081		25	COTRA Cu hum El hz lyr
26	80	8	21	16	27	12.5	7.8	73	6.5	1014.5	6	020	02	5	2	8	5	4	/	/	85618	88621		26	Absent vv&cld est
27	62	7	20	08	17	13.1	10.6	85	8.0	1008.5	8	003	80	5	2	7	8	3	/	/	82709	86812	85640	27	Cu med
28	80	3	26	13	20	10.5	1.6	54	4.2	1019.1	1	011	15	1	1	3	4	6	0	0	83833			28	1Sc50 Cu med jp N&NE vv60k ex p

Mean vis = 29.3 km
Mean cloud = 6.6 83%
Mean wind speed = 7.5 kn
Mean gust = 15 kn
Mean TT = 10.0 °C
Mean TdTd = 6.2 °C
Mean RH = 78.3 %
Mean r = 6.1 g/kg
Mean PPP = 1001.7 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
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-Feb	02-Feb	03-Feb	04-Feb	05-Feb	06-Feb	07-Feb	08-Feb	09-Feb	10-Feb	11-Feb	12-Feb	13-Feb	14-Feb	15-Feb
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	0.00	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
6	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
7	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	0.43	0.00
8	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
9	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.21	1.00	0.00
10	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.55	0.00	0.02	0.00	0.00	1.00	0.00
11	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.10	0.12	0.32	0.04	0.00	0.00	1.00	0.00
12	0.00	0.00	0.00	0.72	0.00	0.35	0.00	0.07	0.31	0.08	0.10	0.11	0.14	0.92	0.00
13	0.00	0.00	0.00	0.18	0.00	0.00	0.04	0.00	0.35	0.00	0.33	0.00	0.17	0.83	0.02
14	0.00	0.00	0.00	0.80	0.00	0.00	0.00	0.00	0.48	0.00	0.17	0.00	0.58	1.00	0.04
15	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.53	0.69	0.00
16	0.00	0.00	0.00	0.02	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.34	0.14	0.07	0.63
17	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
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
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
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	**0.00**	**0.00**	**0.00**	**5.70**	**0.00**	**0.35**	**0.17**	**0.18**	**2.01**	**0.41**	**0.66**	**0.45**	**1.77**	**7.94**	**0.69**

Hour	16-Feb	17-Feb	18-Feb	19-Feb	20-Feb	21-Feb	22-Feb	23-Feb	24-Feb	25-Feb	26-Feb	27-Feb	28-Feb	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
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
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
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
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
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
6	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
7	0.00	0.51	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.03
8	0.95	1.00	0.00	0.00	0.09	0.00	0.00	0.41	0.00	0.24	0.00	0.00	0.00	0.15
9	1.00	1.00	0.00	0.00	0.01	0.01	0.00	0.06	0.19	1.00	0.00	0.00	0.00	0.18
10	0.99	1.00	0.00	0.00	0.00	0.01	0.04	0.00	0.47	1.00	0.00	0.00	0.00	0.22
11	0.31	1.00	0.00	0.00	0.00	0.01	0.00	0.45	0.32	1.00	0.00	0.00	0.68	0.23
12	0.04	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.52	1.00	0.00	0.00	0.81	0.21
13	0.30	0.56	0.00	0.00	0.00	0.00	0.56	0.00	0.94	1.00	0.00	0.00	0.47	0.21
14	0.60	0.00	0.00	0.00	0.10	0.02	0.81	0.00	1.00	1.00	0.00	0.00	0.69	0.26
15	0.99	0.00	0.00	0.00	0.41	0.00	0.49	0.00	1.00	1.00	0.00	0.41	0.88	0.27
16	0.70	0.00	0.00	0.00	0.28	0.00	0.39	0.00	1.00	1.00	0.00	0.39	1.00	0.22
17	0.13	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.40	0.26	0.00	0.06	0.45	0.05
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
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
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
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
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
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
Tot	**6.01**	**5.77**	**0.00**	**0.00**	**0.89**	**0.08**	**2.35**	**0.92**	**5.85**	**8.50**	**0.01**	**0.86**	**4.98**	**56.54**

FEBRUARY 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	7.44	9.3	1441	5.6	2209	95.2	99.2	2258	82.9	1431	6.7	6.1	6.8	1109	5.6	2209	1000.24	1001.8	104	998.6	1629	4.1
2	6.86	8.8	1311	5.0	2235	91.8	99.2	30	80.2	1326	5.6	5.7	6.6	1115	4.7	2117	995.91	999.4	7	992.7	2357	0.1
3	4.44	6.4	144	2.5	2038	95.0	99.6	2349	87.7	112	3.7	5.0	5.5	238	4.6	2038	992.59	993.7	2134	991.3	441	12.6
4	6.87	11.3	1230	2.9	0	89.9	99.8	214	69.8	1238	5.2	5.6	6.8	1027	4.7	0	990.19	993.2	2	984.9	2357	0
5	7.40	8.5	2140	6.2	726	94.8	98.8	2354	84.2	41	6.6	6.2	7.0	2140	5.3	403	982.16	985.1	3	981.2	1802	8.3
6	9.05	11.5	1334	6.9	2320	96.0	99.1	1010	87.6	1340	8.4	7.0	8.2	1233	6.1	2249	985.41	992.1	2358	981.4	226	10.5
7	8.69	10.8	1303	6.4	147	92.0	96.7	212	85.9	1307	7.5	6.5	7.4	1337	5.8	147	994.64	1000.2	2348	992.0	2	2
8	8.31	10.7	1224	6.4	528	93.4	98.7	832	80.6	1309	7.3	6.4	7.0	1147	5.9	528	1003.33	1004.6	1201	1000.1	0	3.2
9	8.19	11.6	1358	6.6	515	89.5	97.9	317	68.1	1329	6.5	6.1	6.7	1018	5.6	1329	998.22	1003.4	6	992.3	2354	0.6
10	9.08	11.5	1320	7.8	354	94.8	99.0	2304	79.2	1256	8.3	6.9	7.7	1140	6.3	17	986.54	992.4	3	981.1	2041	7
11	9.73	12.0	1316	6.2	2337	92.1	99.0	49	73.2	1527	8.5	7.1	7.7	1238	6.0	2334	980.81	984.0	1103	975.7	2210	0.9
12	8.01	10.8	1228	5.7	13	90.1	99.0	52	76.3	1636	6.4	6.1	7.3	1153	5.6	2211	984.57	990.6	2241	976.3	1	1.2
13	5.86	10.1	1254	2.8	355	90.2	99.7	728	78.7	2047	4.3	5.3	6.8	1137	3.9	2357	993.14	1005.5	2358	988.8	559	0.2
14	3.48	7.5	1312	-0.0	742	71.0	90.1	753	49.0	1316	-1.4	3.4	4.0	106	2.9	1414	1015.39	1019.2	1815	1005.4	0	0.1
15	5.64	10.0	1632	2.1	126	87.3	95.9	1223	70.3	1	3.7	5.0	7.0	1614	3.3	1	1002.42	1017.1	0	994.3	1557	11.7
16	7.07	10.4	1331	4.6	619	76.5	90.5	748	58.9	1337	3.1	4.8	5.3	1453	4.2	2358	998.65	1007.2	2358	995.3	457	1.2
17	4.05	7.1	1325	1.8	2109	65.1	77.1	112	40.3	1418	-2.1	3.2	4.2	0	2.4	1418	1014.36	1017.4	1142	1006.8	4	0
* 18	4.26	5.9	1229	2.4	121	78.5	97.8	2355	65.3	1221	0.7	4.1	5.2	2359	3.1	6	1001.64	1013.5	0	990.8	2345	5.5
19	4.98	5.5	1154	4.6	1	93.1	99.2	750	80.9	2142	3.9	5.1	5.6	946	4.3	2152	1001.81	1015.6	2359	990.8	1	1.2
20	8.11	11.9	1615	4.2	311	83.7	93.0	1449	74.3	1722	5.5	5.6	7.6	1449	4.4	3	1015.97	1018.5	811	1011.9	1636	1.2
21	11.28	13.7	1519	8.8	0	86.8	94.2	315	79.7	953	9.1	7.1	8.3	1835	5.9	43	1019.23	1021.3	1040	1017.5	9	0.6
22	11.73	14.2	1445	8.3	2358	81.3	92.6	442	59.0	1523	8.5	6.9	7.9	1032	5.6	1524	1016.52	1018.5	0	1015.4	1546	0.2
23	10.60	13.2	1321	7.9	515	81.6	90.5	2314	60.5	1327	7.5	6.4	8.0	2247	5.6	1327	1015.53	1016.5	4	1014.7	438	0.1
24	12.02	15.4	1244	9.3	2058	82.8	94.2	2358	61.9	1454	9.0	7.1	7.7	4	6.5	1357	1015.94	1017.5	733	1014.4	2033	0
25	12.26	17.3	1458	9.0	617	81.6	97.5	717	56.0	1604	8.9	7.1	8.1	1007	6.3	1625	1015.41	1017.6	2339	1013.7	410	0.2
26	11.38	13.1	1226	9.8	537	81.9	90.9	27	71.7	1231	8.4	6.8	7.1	123	6.4	1714	1015.63	1018.1	206	1012.0	2359	0
27	10.98	13.9	1318	8.3	2105	87.6	96.9	2303	75.7	1602	9.0	7.1	8.0	1121	6.2	2105	1009.27	1012.3	5	1008.3	734	5.8
28	8.09	11.6	1316	4.4	2009	77.0	98.2	425	45.5	1636	4.0	5.1	6.8	246	3.3	1636	1015.86	1020.7	1919	1008.2	302	4.5
Total																						83.0
Mean	8.07	10.85		5.59		86.4	95.87		70.84		5.82	5.88	6.87		5.01		1002.19	1007.03		997.72		
Max	12.26	17.26		9.82		96.0	99.80		87.65		9.14	7.14	8.29		6.51		1019.23	1021.31		1017.46		
Min	3.48	5.49		-0.04		65.1	77.12		40.29		-2.07	3.25	4.02		2.41		980.81	983.98		975.69		

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

WOKINGHAM METEOROLOGICAL DATA

Wokingham Climatological Station, Emmbrook, Berkshire.

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

Seasonal Means and Totals — WINTER 2025/26

Rank in the past **144** years

Temperature (°C)			
Mean maximum	9.7	(+1.3)	10th highest
Mean minimum	3.6	(+1.5)	7th highest
Daily mean	6.6	(+1.3)	8th highest
Rainfall total (mm)	265.1	(149%)	7th highest
Sunshine total (hours)	227.0	(101%)	

Nº of: Dry days 30 (-14) Wet days 43 (+10)

Days with: Air frost 19 (-11) Ground frost 34 (-16) Snow falling 4 (-5) Snow lying 0 (-4)

Thunder 0 (-1) Hail ≥5mm 0 (0) Small hail/ice 1 (-3) Fog @09 GMT 3 (-2) Nil sun 26 (-1)

Air pressure MSL : Mean @09 GMT (mbar) 1007.2 (-9.2)

Departure from 1991 to 2020 average shown in brackets.

Notes: **Very Mild and Very Wet with Near Average Sunshine.**

Temperature: This winter season ranks 8th mildest in 145 years, but in this millennium, 2024, 2020, 2016 and 2007 were all milder, and in 2016, the record holder, the mean temperature was 0.9° higher than this winter's. The mean maximum ranks 10th highest and is also 0.9° below the record, while the mean minimum ranks 7th highest and is 0.8° below the record. Compared with the long-term median, the anomaly for the mean temperature is +1.9°. February was the mildest month, mean 8.4°, then December, 6.7°, with January the coldest month with a close to average 5.0°. The season's highest max was 16.9° on 25th February, 2.8° above the median and 6th highest in 122 years, while the lowest max, 1.7° on 31st December, is 1.8° above its median. The highest min was 11.5° on 9th Dec, 1.5° above the median, while the lowest min was -7.0° on 6th Jan, 0.3° above its median. The mean grass min was 1.3°, 2.2° above average, and the season's lowest value was -9.5° on 6th Jan. The mean earth temperature at 30cm depth was 7.2°, anomaly +1.2°, and at 1m depth the mean was 8.3°, anomaly +0.2°. The duration of air frost, 119.8 hours, is just 45% of average, and the number of days with air frost was 12 less than average. **Rainfall:** The rainfall total puts this winter firmly in the very wet category, which contains the wettest 10% of winters in the past 144 years. It is the 2nd wettest winter in this millennium after 2014, the record holder, when there was 113.4 mm more than in this winter, but this winter's total is 111.4 mm more than the long-term median amount. Jan was by far the wettest month with 127.6mm, 194% of average, then Feb with 82.3 mm, 174% of average, then a relatively dry Dec, 55.2 mm, 85% of average. The number of dry days is 14 fewer than the 50 year average, and there were 8 more days than average with falls of 5 mm or more. The total duration of rainfall was 249.8 hours, 80 hours more than average, and highest since 2014, and before that, 1995. The highest daily fall was 18.8mm on both the 18th Dec and 8th Jan, a value only slightly above the average of 17.9mm.The only dry spell was of 10 days ending on the 1st Jan. Snow fell on the 2nd, 5th, 6th and 9th Jan, but there were no days with at least 50% cover at 09 GMT. Ice pellets fell on 3rd Dec, but thunder was not heard this season. The highest rainfall rate was 33 mm/hr on 27th Feb. **Sunshine:** This winter season as a whole has had an average amount of sunshine, despite a dull Feb. The daily mean for the season was 2.52 hours, 101% of average. Dec was the sunniest month, mean 2.79 hr/day, 127% of average, then Jan with 2.70 hr/day, 115% of average, and lastly Feb with 2.03 hr/day, 67% of average. The period 2nd to 7th Jan was outstandingly sunny, 6 of the 7 days having over 7 hours of sunshine, and a 7 day mean of 6.4 hr/day, but it isn't hard to find dull periods, notably the 13 days to 13th Feb had a mean of 0.9 hr/day, and the 6 days to the 23rd Feb had a mean of 0.7 hr/day. The season's sunniest day was the 25th Feb with 8.5 hr sunshine. **Wind:** The overall mean wind speed of 7.1 mph is 0.6 mph below average. The windiest day was the 1st Dec, mean 13.8 mph, and the season's highest gust of 43 mph was on that day. This gust is 13 mph below the winter average, and equal lowest with 2011 since before 1988. Daily mean direction/number of days; N,2 NE,10 E,13 SE,15 S,22 SW,15 W,8 NW,5. Compared with average, winds from E, SE and S combined were 29% more frequent, at the expense of all other directions, especially SW, 19% less frequent. **Pressure:** The overall mean air pressure was 9.2 mbar below average and is 2nd lowest for the season, after 2014, since before 1977. The absolute highest pressure was 1035.5 mbar on 27th Dec, and is lowest for the season since 1994. The lowest pressure was 975.7 mbar on 11th Feb, span 59.6 mbar, normal 64.3 mbar. **Humidity:** The overall mean relative humidity was 87.5%, and the lowest value was 40% on 17th Feb. The mean water vapour content at 09 and 15 GMT was 5.5g and 5.7g respectively, both equal highest for the season in the past 30 years. **December:** Mild and sunny with below average rainfall. Mean maximum 12th highest since before 1882. **January:** Very wet with temperature near, and sunshine above, average. 3rd wettest in 145 years Number of days having at least 5 mm of rain equal highest in the past 51 years. Rainfall duration 2nd highest in 33 years. Mean air pressure 2nd lowest for Jan since before 1976. **February:** Wet, dull and very mild. Mean temperature equal highest in 145 years. Mean minimum a new record high. No air frost for only the 4th time in 71 years. Lowest min 4th highest in 123 years. Lowest grass min highest in the past 47 years, also the number of days with ground frost is lowest in the same period. 4th wettest Feb in this millennium. Rainfall duration highest for any Feb in the past 33 years. Mean pressure 2nd lowest for Feb in 51 years.

Month	Mean Max		Mean Min	Anom	Rain mm	Anom	Sun hrs	Anom	Mean Wind mph	Max gust	Mean pressure	Anom
Dec	10.1°	+1.6°	3.3°	+1.0°	55.2	85%	86.4	127%	7.5	43	1015.3	-0.3
Jan	8.3°	+0.2°	1.8°	-0.2°	127.6	194%	83.7	115%	6.6	31	1003.4	-12.9
Feb	10.9°	+2.1°	5.8°	+3.9°	82.3	174%	56.9	67%	7.5	37	1002.6	-14.1

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

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.