WOKINGHAM METEOROLOGICAL DATA

Wokingham Climatological Station, Emmbrook, Berkshire.

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

Monthly Means and Totals — MAY 2026

Temperature (°C)		Anomaly		Rank in the past **145** years			
Mean maximum	21.2	+3.1		*** Highest ***			
Mean minimum	9.2	+1.5		2nd highest			
Daily mean	15.2	+2.3		***Highest ***			
Highest maximum	33.3	on	25th	Lowest maximum	13.8	on	11th
Highest minimum	16.6	on	27th	Lowest minimum	0.4	on	12th
Mean grass minimum	5.4	+0.9		Lowest grass minimum	-3.9	on	11th
Mean earth @30 cm	14.7	+0.9		Earth @100 cm	13.1	+1.0	
Frost duration (hrs)	0.0			Rain duration (hrs)	13.9		
Rainfall total (mm)	17.5	39%		13th lowest			
Highest daily fall	8.0	on	13th	Highest rate mm/hr	31	on	13th
Number of: Dry days (<0.2mm)	24	Wet days (>0.9mm)	6	days ≥5mm	1		
Sunshine total (hrs)	245.3	Daily mean	7.91	127%	Sunniest day	15.2	on 25th
N° days with: Air frost	0	Ground frost	5	Snow falling	0	Snow lying	0
Thunder	2	Hail ≥5mm	0	Small hail/ice	2	Fog @09	0
Nil sun	0						
Pressure MSL : Mean @09 GMT, mbar	1017.1	+0.6	Highest	1031.3	on 24th	Lowest	1000.9 on 14th
Relative humidity : Mean (%)	67.3	Lowest	19	on 25th	Water vapour (g/kg), mean at 09 and 15 GMT	7.4,	6.8
Overall mean wind speed (mph)	6.1	Windiest day	10.8	on 19th	Max gust	40	on 13th
Wind direction (days)	N 3	NE 3	E 2	SE 2	S 6	SW 6	W 7 NW 2
Least windy day (mph)	2.0	on 24th	Calm; less than 0.5 mph (minutes)	n/a			

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

Notes: **Sunny and Very Dry with a Record Breaking Heatwave**

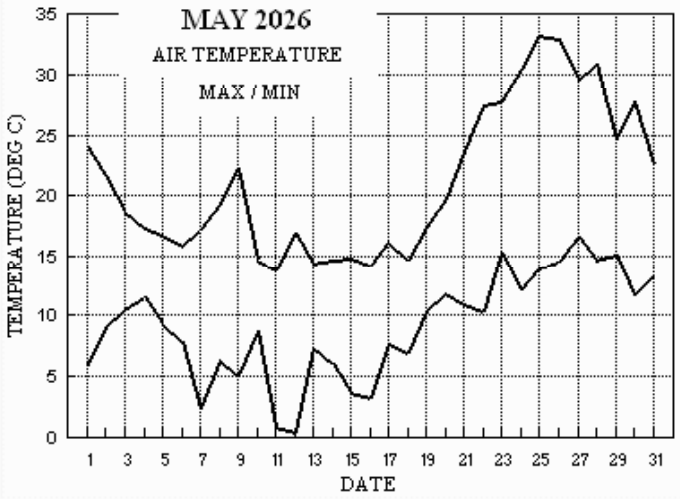
Temperature: The mean temperature this May is a new record, 0.8° above the previous record held equally by 2024, 2008 and 1992. Similarly, the mean maximum is also a new record, 0.4° above the previous highest in 2020. At 21.2° it is also 0.2° above the average for June. The mean minimum failed by just 0.1° to equal the previous highest in 2024, but ranks 2nd highest in 145 years. The month was dominated by the unprecedented heatwave over its final 10 days, that peaked on the 25th and 26th, both days having a higher temperature than in any other May in the past 123 years. The highest max is 7.9° above the median and a new record while the lowest max is 2.6° above its median. The highest min is 4.0° above the median and is also a new record, while the lowest min is 0.1°below its median. The lowest grass min is close to average, as is the number of days with a ground frost. There were no air frosts this month, the last May to have one was in 2020. Earth temperature at both 30cm and 1 m depth recorded their highest daily values for May in over 37 years on the 28th and 31st respectively. Anomalies for daily max were above +10° from the 24th to 28th, and exceeded -3° on the 11th, 13th and 16th, with extreme values of +15.1° on 25th and -3.2° on 16th. Anomalies for daily min were over +7°on 23rd and 27th, and exceeded -5° on 11th and 12th, with extreme values of +8.1° on 27th and -6.5° on 12th. **Rainfall:** This has been a very dry May, driest since 2020, the 145 year record holder with just 3.4 mm, and before that, 1991. All but a couple of mm of this month's total fell between the 13th and 20th, with 2 dry spells, the first of 10 days ended on the 12th and the second was unbroken on the 31st after 11 days. There were no occasions with a rain rate in the violent category, but there was thunder on the 13th and 14th, and also ice pellets on both days. Rainfall accumulation compared with normal was 15mm in deficit on the 12th, decreasing to 10 mm by the 20th, then increasing to 29 mm by the 31st. **Sunshine:** The daily mean of 7.91 hours marks this as a sunny May and the 4th sunniest in this millennium, yet sunshine was little different from normal for most of the month. It was only after the 20th that it became very sunny, and the 9 days to the 30th were outstanding, giving a total of 119.3 hours, a daily mean of 13.26 hours. Days having over 80% of the maximum were the 1st, 9th, 22nd to 27th and 30th. Days having less than 20% of the maximum were the 3rd to 5th, 10th and 19th. Overall there were 5 days with <3 hours, 19 with =>6 hours and 9 with =>12 hours. **Wind:** The mean speed this May is slightly below average. The mean speed on the month's windiest day is 1.2 mph below average, but the month;s highest gust is close to average. Daily mean speeds were light or moderate, except for fresh on 10th, 13th and 18th to 20th, and were very light on the 24th. Daily mean direction was between N and E on 4th to 6th, 9th, 10th and 27th, between E and S on 1st, 2nd, 7th, 8th 25th and 28th, between S and W on 3rd, and 16th to 22nd, 26th, and 29th to 31st, between W and N on 11th to 15th, 23rd and 24th.

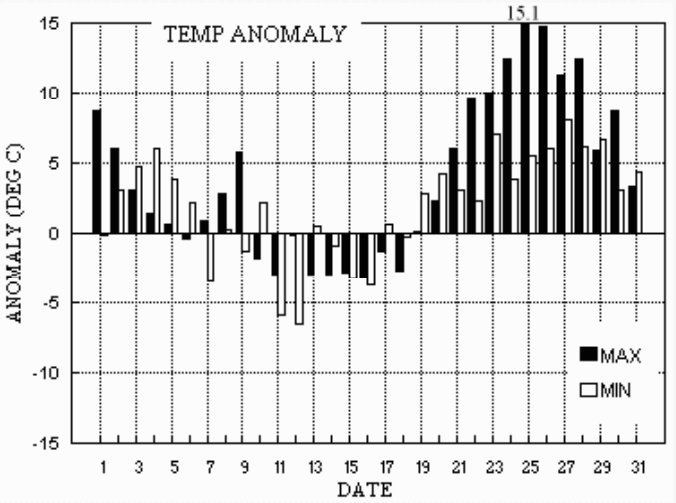
Table 1. Mean anomalies (max, min, rain, sun) for specified periods.

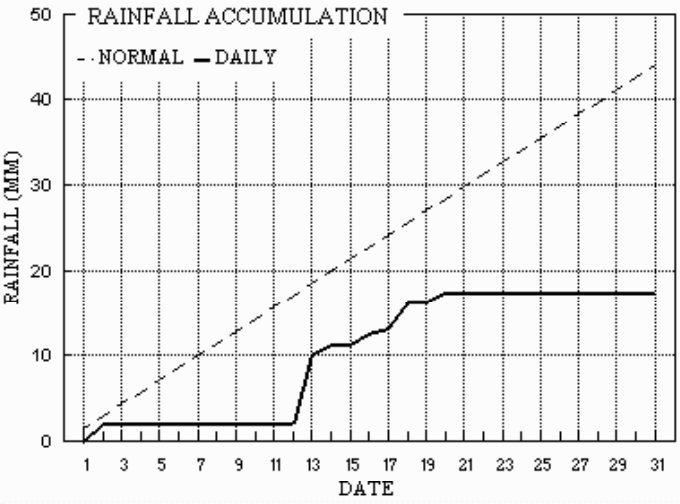
From the 1st to the 10th				From the 11th to the 20th				From the 21st to the 31st			
+2.7°	+1.7°	15%	89%	-1.7°	-1.3°	108%	91%	+9.9°	+5.1°	0%	193%

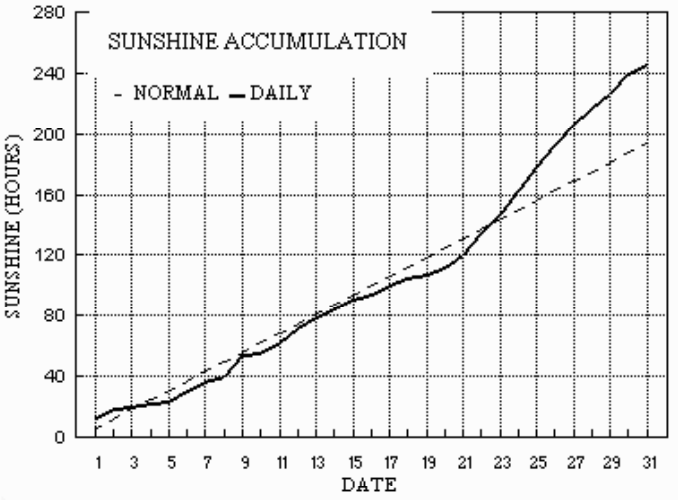
B J Burton FRMetS. Hon. Met. Officer to Wokingham Town Council.

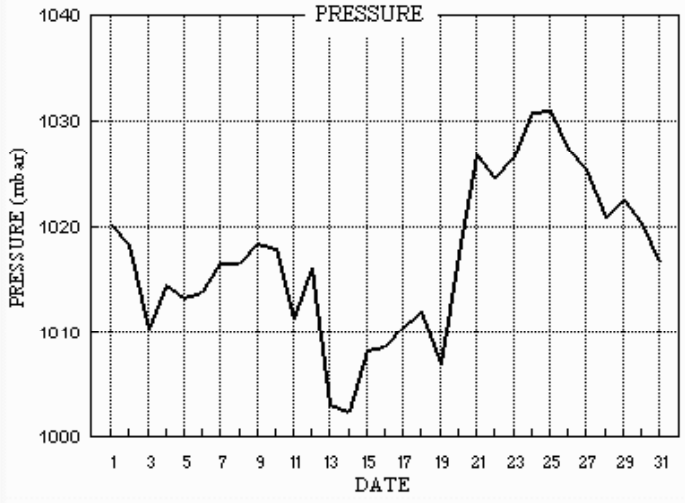
Wokingham climatological graphs for May 2026

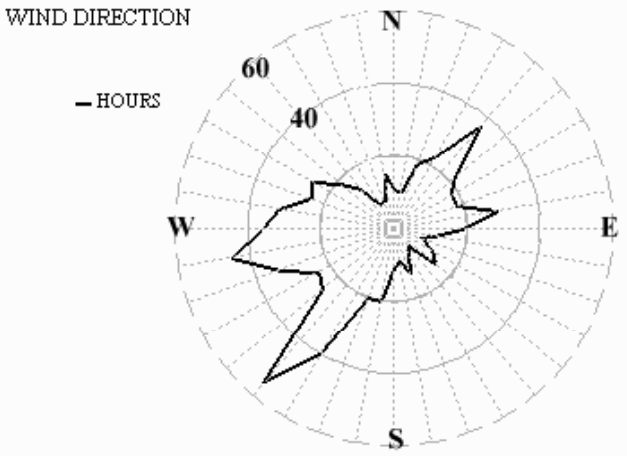


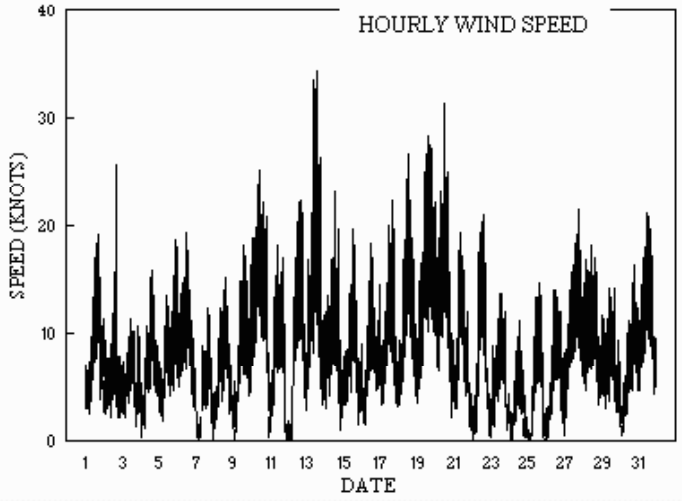


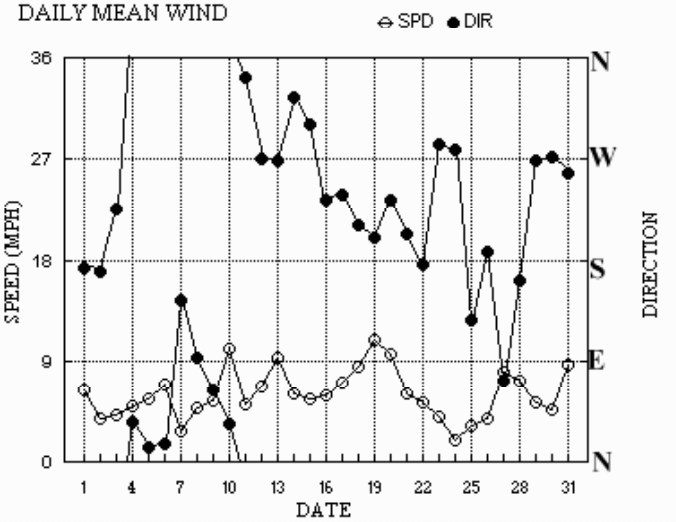












Daily meteorological data. Emmbrook, WOKINGHAM, Berkshire.

Month: MAY 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	24.1	5.9	0.0	2.1	13.2	11.9	13.2	0.0	1020.2	0 0	0 0	0 0	0 0	173	2.9	5.6	223	19	1615	216	10	16	0.0
2	21.7	9.0	2.1	4.9	13.6	12.0	6.1	0.0	1018.2	0 0	0 0	0 0	0 0	169	2.7	3.4	172	26	1545	159	7	15	1.2
3	18.7	10.5	tr	6.9	14.1	12.1	1.0	0.0	1010.2	0 0	0 0	0 0	0 0	226	3.3	3.7	202	12	1135	225	6	11	0.3
4	17.3	11.5	0.0	8.7	14.3	12.3	2.9	0.0	1014.6	0 0	0 0	0 0	0 0	36	3.7	4.3	21	16	1510	30	8	15	0.0
5	16.7	9.4	tr	5.4	14.4	12.5	0.6	0.0	1013.4	0 0	0 0	0 0	0 0	14	4.6	4.9	38	19	2255	39	9	23	0.0
6	15.8	7.8	0.0	7.1	14.1	12.6	6.8	0.0	1013.9	0 0	0 0	0 0	0 0	17	5.9	6.1	28	20	1300	21	9	12	0.0
7	17.2	2.3	0.0	-2.1	13.9	12.7	5.9	0.0	1016.5	0 1	0 0	0 0	0 0	144	1.1	2.4	133	12	1605	189	6	17	0.0
8	19.3	6.3	tr	1.3	13.7	12.8	4.3	0.0	1016.6	0 0	0 0	0 0	0 0	94	4.0	4.2	92	15	1430	97	8	13	0.0
9	22.3	5.0	0.0	0.3	13.4	12.8	13.3	0.0	1018.4	0 0	0 0	0 0	0 0	65	4.6	4.8	91	18	1340	72	8	10	0.0
10	14.7	8.8	0.0	4.4	14.0	12.8	1.8	0.0	1018.0	0 0	0 0	0 0	0 0	34	8.8	8.9	24	25	1130	40	13	09	0.0
11	13.8	0.8	tr	-3.9	13.4	12.8	6.4	0.0	1011.3	0 1	0 0	0 0	0 0	342	3.5	4.5	11	18	1155	21	9	16	0.2
12	16.9	0.4	0.0	-3.7	12.9	12.8	9.5	0.0	1016.0	0 1	0 0	0 0	0 0	270	5.6	5.8	292	23	1740	292	11	17	0.0
13	14.4	7.4	8.0	0.8	12.9	12.7	7.4	0.0	1003.1	0 0	0 0	1 0	1 0	269	7.4	8.1	316	35	1440	282	15	12	2.8
14	14.7	6.1	1.3	2.9	12.9	12.7	6.5	0.0	1002.5	0 0	0 0	1 0	1 0	324	4.5	5.3	320	23	1420	20	9	17	0.5
15	14.8	3.7	tr	-1.1	12.8	12.6	5.2	0.0	1008.2	0 1	0 0	0 0	0 0	300	4.7	4.9	287	20	1255	281	9	12	0.1
16	14.3	3.3	1.1	-1.7	12.8	12.6	3.3	0.0	1008.6	0 1	0 0	0 0	0 0	233	4.8	5.2	268	19	1200	237	9	14	2.2
17	16.2	7.7	0.7	4.5	12.9	12.6	6.7	0.0	1010.4	0 0	0 0	0 0	0 0	239	5.9	6.2	278	23	1520	259	10	11	0.4
18	14.7	7.0	3.2	1.8	13.2	12.6	4.0	0.0	1012.0	0 0	0 0	0 0	0 0	211	7.1	7.4	222	27	1220	224	12	12	5.5
19	17.4	10.4	tr	9.7	13.2	12.6	2.6	0.0	1006.8	0 0	0 0	0 0	0 0	200	8.9	9.4	211	28	1550	210	14	15	0.1
20	19.7	11.8	1.1	9.4	13.6	12.6	5.1	0.0	1017.4	0 0	0 0	0 0	0 0	234	8.1	8.4	252	31	1145	243	13	12	0.6
21	23.6	10.9	0.0	6.3	14.0	12.7	7.9	0.0	1026.8	0 0	0 0	0 0	0 0	204	5.1	5.3	208	20	0855	207	10	09	0.0
22	27.4	10.4	0.0	7.6	14.8	12.9	14.5	0.0	1024.5	0 0	0 0	0 0	0 0	176	4.3	4.6	189	21	1550	186	10	15	0.0
23	27.8	15.3	0.0	12.5	15.5	13.1	12.8	0.0	1026.6	0 0	0 0	0 0	0 0	283	3.1	3.6	271	14	1205	246	6	15	0.0
24	30.4	12.2	0.0	8.7	16.3	13.4	15.2	0.0	1030.9	0 0	0 0	0 0	0 0	278	1.3	1.7	224	11	1315	272	4	14	0.0
25	33.3	14.0	0.0	10.5	17.1	13.7	15.2	0.0	1031.0	0 0	0 0	0 0	0 0	127	2.5	2.8	157	15	1620	126	7	17	0.0
26	32.9	14.5	0.0	10.3	17.5	14.1	14.7	0.0	1027.3	0 0	0 0	0 0	0 0	187	2.4	3.4	175	14	1145	217	6	17	0.0
27	29.6	16.6	tr	13.0	18.1	14.4	14.3	0.0	1025.4	0 0	0 0	0 0	0 0	73	6.7	7.0	84	22	1815	84	11	18	0.0
28	30.9	14.7	0.0	11.3	18.5	14.8	10.5	0.0	1020.8	0 0	0 0	0 0	0 0	162	3.0	6.3	206	18	1220	217	9	12	0.0
29	24.7	15.1	0.0	11.6	18.5	15.1	8.7	0.0	1022.6	0 0	0 0	0 0	0 0	268	4.3	4.6	259	14	1025	256	7	13	0.0
30	27.8	11.7	0.0	7.8	18.2	15.4	13.4	0.0	1020.3	0 0	0 0	0 0	0 0	272	3.8	4.1	280	16	1930	290	8	18	0.0
31	22.6	13.4	0.0	8.8	18.4	15.6	5.5	0.0	1016.6	0 0	0 0	0 0	0 0	257	7.4	7.5	245	21	1225	263	11	13	0.0
Total			17.5				245.3	0.0															13.9
Mean	21.2	9.2		5.4	14.7	13.1	7.91	0.0	1017.1					247	1.3	5							
Anom	+3.1	+1.5	39%	+0.9	+0.9	+1.0	127%		+0.6														

Daily mean 15.2 Pressure, abs highest = 1031.3 on 24

Anom +2.3 Pressure, abs lowest = 1000.9 on 14

Number of days with:

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

Snow falling = 0 Snow lying = 0 Thunder = 2

Hail=>5mm = 0 Hail<5mm or ice = 2 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 MAY 2026

Date	VV	N	dd	ff	gg	TT	TdTd	RH	r	PPP	a	ppp	ww	W1	W2	Nh	Cl	h	Cm	Ch	NChshs	NChshs	NChshs	Date	Remarks
1	83	1	12	06	09	18.2	5.1	42	5.4	1020.2	8	003	02	0	0	1	0	9	3	0	81362				Cld edge W El hz lyr
2	61	3	18	02	05	12.8	9.1	78	7.1	1018.2	8	004	01	1	1	3	0	9	8	1	83362			2	1Ci75 Ac cas
3	80	7	25	04	07	13.3	9.7	79	7.5	1010.2	2	004	02	2	2	7	5	4	/	/	86615	87620		3	
4	40	8	04	05	09	12.9	11.3	90	8.3	1014.6	2	017	20	5	2	8	5	2	/	/	87704	88615		4	
5	61	8	35	06	10	12.2	8.1	76	6.7	1013.4	7	004	03	2	2	8	8	4	/	/	85813	86625	88635	5	Cu med
6	84	5	36	07	12	10.3	4.4	67	5.2	1013.9	1	004	03	2	2	4	8	4	0	1	81817	84656		6	2Ci78 COTRA Cu hum
7	65	4	13	03	06	11.9	6.2	68	5.8	1016.5	4	000	03	1	1	4	2	5	0	0	84820			7	Cu med
8	62	5	11	05	11	15.1	7.6	61	6.5	1016.6	2	001	03	2	2	5	0	9	7	0	82358	85360		8	
9	59	7	07	06	09	16.3	9.9	66	7.5	1018.4	0	000	05	2	2	0	0	9	0	1	87078			9	COTRA
10	81	7	04	13	21	12.1	6.2	67	5.8	1018.0	0	002	02	2	2	6	5	5	3	/	86623	85365		10	
11	84	7	31	06	14	11.0	4.7	65	5.3	1011.3	4	000	02	1	1	7	5	5	/	/	86620	87640		11	
12	88	4	29	07	12	12.2	1.5	48	4.2	1016.0	8	008	03	1	1	4	0	9	4	1	81364	84366		12	1Ci70 Ac len Ac str vir
13	60	6	28	11	19	12.5	3.5	54	4.9	1003.1	7	020	15	1	1	5	3	5	7	/	81925	84830	83359	13	jp NW-N
14	84	3	32	07	15	10.9	4.4	64	5.2	1002.5	0	001	15	1	1	3	8	5	0	0	83825			14	1Sc35 Cu con jp W
15	81	7	31	06	12	9.5	3.0	64	4.7	1008.2	2	009	03	2	2	3	8	5	7	/	81825	83650	87357	15	/Ac65 Cu med
16	86	7	26	05	09	12.3	4.3	58	5.2	1008.6	8	002	03	1	1	7	8	5	/	/	82828	86635		16	/Sc50 Cu med
17	82	7	26	08	13	12.5	7.6	72	6.5	1010.4	1	009	03	2	2	3	2	5	0	1	83820	87072		17	COTRA Cu med Halo 22 part
18	88	7	22	08	14	12.6	5.5	62	5.6	1012.0	1	006	03	1	1	7	8	5	/	/	86828			18	1Sc50 Cu med
19	80	7	20	09	17	14.7	13.7	94	9.8	1006.8	5	004	21	6	2	4	8	3	0	1	84808	87075		19	1Sc20 Cu fra/med
20	75	7	23	08	17	15.6	9.3	66	7.2	1017.4	1	024	03	1	1	7	8	5	/	/	81825	87643		20	Cu hum
21	65	7	22	10	17	17.3	11.3	68	8.2	1026.8	0	008	01	2	2	3	5	5	3	1	83620	85358	87073	21	
22	80	5	14	05	12	22.9	14.2	58	9.9	1024.5	8	005	02	1	1	0	0	9	0	1	82075	84080		22	COTRA
23	82	1	31	03	07	22.2	13.8	59	9.7	1026.6	1	013	01	1	1	1	0	9	3	0	81365			23	Sky turbid
24	70	5	27	02	05	22.4	15.3	64	10.6	1030.9	0	003	02	1	1	0	0	9	0	1	85080			24	COTRA El hz lyr
25	80	0	09	03	06	25.9	16.5	56	11.4	1031.0	8	001	02	0	0	0	0	9	0	0				25	
26	82	0	16	05	08	27.7	15.4	47	10.7	1027.3	6	009	02	0	0	0	0	9	0	0				26	
27	62	1	07	07	13	23.7	14.4	56	10.0	1025.4	0	002	03	0	0	1	9	7	0	0	81956			27	Cu con Cb cap inc in line to N
28	80	3	11	07	12	24.3	15.2	57	10.6	1020.8	8	009	02	0	0	1	0	9	8	1	81365	83075		28	COTRA Ac cas
29	84	8	28	05	11	19.8	11.3	58	8.2	1022.6	1	010	02	2	2	2	0	9	8	7	82363	83070	88275	29	COTRA Ac cas vir U/a cont
30	86	7	21	02	05	21.2	10.7	51	7.9	1020.3	8	011	02	2	2	0	0	9	0	1	87080			30	COTRA
31	88	7	26	09	15	18.6	10.9	61	8.1	1016.6	1	001	03	2	2	3	1	5	0	2	83829	87070		31	Cu hum

Mean vis = 34.2 km
Mean cloud = 5.2 65%
Mean wind speed = 6.1 kn
Mean gust = 11 kn
Mean TT = 16.3 °C
Mean TdTd = 9.2 °C
Mean RH = 63.7 %
Mean r = 7.4 g/kg
Mean PPP = 1017.1 mbar

See appendix 2 below for full code details

VV = Visibility code (Code FM12-4377)
N = Total cloud amount, oktas
dd = Direction from which wind is blowing, tens of degrees true
ff = 10 minute mean wind speed, knots
gg = Highest gust in past hour, knots
TT = Air temperature at 1.2 m, deg Celsius
TdTd = Dew point temperature at 1.2 m, deg Celsius
RH = Relative humidity at 1.2 m
r = Humidity mixing ratio at 1.2 m, g/kg
PPP = Air pressure reduced to sea level, mbar
a = Characteristic of pressure tendency (Code FM12-0200)
ppp = 3 hr pressure tendency, tenths of mbar
ww = Present weather code (Code FM12-4677)
W1, W2 = Past weather code (Code FM12-4561)-
covers past 3 hours.
Nh = Amount of low cloud present, oktas
Cl = Type of low cloud (Code Fm12-0513)
h = Height of low cloud (Code FM12-1600)
Cm = Type of medium cloud (Code FM12-0515)
Ch = Type of high cloud (Code FM12-0509)
8 groups. 8 = indicator for cloud detail
N = Amount of cloud, oktas
C = Type of cloud (FM12-0500)
hshs= Height of cloud (FM12-1677)
Remarks : COTRA = persistent condensation trails present

Weather observations. Emmbrook, Wokingham, Berkshire.

Observations at 1500 GMT for MAY 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	80	3	20	08	17	23.1	12.4	51	8.9	1018.7	5	002	03	0	0	3	2	6	0	0	83836			1	Cu med Crepus rays
2	75	8	13	04	14	20.6	8.6	46	6.9	1012.8	7	027	15	1	1	2	5	7	9	/	82656	86360	88465	2	jp S to W
3	82	7	22	04	08	17.8	9.7	59	7.5	1009.0	7	005	03	2	2	7	8	6	3	/	84830	85645		3	1Ac60 Cu med
4	63	5	04	07	14	16.8	10.2	65	7.7	1014.1	7	004	03	2	2	5	8	4	0	0	83818	83640		4	Cu med
5	82	8	36	06	09	15.4	6.9	57	6.2	1012.0	8	005	02	2	2	8	8	6	/	/	83833	85645	88656	5	Cu med
6	86	6	02	10	15	13.9	5.3	56	5.5	1013.3	6	001	02	1	1	3	4	6	0	1	82838	85078		6	2Sc56 COTRA Cu med
7	84	7	14	03	06	16.1	1.8	38	4.3	1014.9	7	007	02	2	2	2	2	7	3	1	82850	87357		7	/Ci80 COTRA Cu med
8	81	6	10	07	14	18.3	7.4	49	6.4	1016.1	7	007	01	2	2	2	8	6	7	8	82845	85275		8	1Sc56 2Ac58 Cu med
9	78	4	07	06	14	22.1	4.2	31	5.1	1015.7	6	010	03	1	1	2	2	7	6	2	82856	83073		9	1Ac58 Cu med El hz lyr Crepus rays
10	86	8	04	10	17	12.7	4.9	59	5.4	1015.9	7	011	02	2	2	8	5	6	/	/	87630	88635		10	
11	80	5	36	07	13	12.9	3.0	51	4.7	1012.4	0	004	15	6	1	5	4	6	0	0	85835			11	1Sc50 Cu con jpNE vv60k ex p
12	86	7	27	10	18	14.9	5.4	53	5.6	1012.5	7	015	03	2	2	7	5	6	/	/	86635	87640		12	
13	62	4	32	06	30	8.4	5.0	79	5.5	1002.1	3	004	29	8	1	2	9	5	6	3	82925	83068		13	1Ac57 jpE-S-W vv60k ex p jt 1441
14	60	6	34	07	21	12.3	2.7	52	4.7	1001.3	6	004	25	8	1	3	9	5	6	3	82925	81835	83358	14	1Sc45 5Ci67 jp E, S&NW vv60k ex p0
15	80	5	34	07	16	13.3	2.8	49	4.7	1007.4	6	006	15	2	2	4	4	6	6	0	82846	83656		15	2Ac58 Cu con jpW&E vv60k ex p
16	80	8	23	06	15	13.8	6.2	60	5.9	1007.9	8	004	15	8	2	8	8	6	/	/	83833	88640		16	Cu hum jp SW&W
17	70	7	25	10	17	15.8	3.6	44	4.9	1010.2	8	003	15	2	2	3	4	7	2	/	83850	87463		17	1Sc56 Cu med jpSW vv70k ex SW
18	86	7	21	11	20	13.2	5.9	61	5.7	1012.4	1	002	03	2	2	7	8	6	7	/	83830	86645	87358	18	Cu hum
19	72	7	20	13	25	17.1	10.9	67	8.1	1007.3	0	001	03	8	2	7	8	4	3	/	86818			19	2Sc50 1Ac62 Cu med
20	58	8	24	12	21	18.2	11.5	65	8.4	1020.3	2	020	16	2	2	8	8	5	/	/	84822	88635		20	Cu med jp W&NW
21	80	7	21	05	13	22.5	13.3	56	9.3	1025.2	7	004	02	2	2	4	4	6	0	1	84833	87075		21	1Sc40 COTRA Cu med
22	82	5	18	11	19	26.7	10.8	37	7.9	1023.3	6	004	02	1	1	0	0	9	0	1	85075			22	El hz lyr
23	84	6	26	06	12	27.7	10.9	35	7.9	1026.6	8	003	03	1	1	1	0	9	3	1	81362	86078		23	COTRA El hz lyr Sky turbid
24	84	1	30	03	08	30.0	9.5	28	7.2	1029.0	7	011	03	0	0	1	1	8	0	1	81857			24	1Ci80 Cu hum
25	75	0	16	06	11	32.7	11.8	28	8.4	1029.0	7	009	02	0	0	0	0	9	0	0				25	
26	75	1	23	05	11	32.6	15.2	35	10.6	1024.4	6	016	03	0	0	1	2	7	0	0	81856			26	Cu hum/con NW
27	80	0	08	08	15	29.1	14.1	40	9.9	1022.9	7	015	02	0	0	0	0	9	0	0				27	
28	80	7	19	07	13	29.8	11.3	32	8.3	1019.4	0	000	03	2	2	6	0	9	8	1	81363	86366	87075	28	Ac cas vir
29	88	5	25	07	11	24.3	4.6	28	5.2	1022.4	6	012	01	2	2	3	0	9	8	1	83363	85078		29	1Ac66 COTRA Ac cas
30	86	5	25	06	10	27.2	7.6	29	6.5	1017.0	7	016	03	1	1	5	0	9	8	1	82362	85366		30	2Ci78 Ac cas vir
31	85	7	27	10	16	21.4	8.7	44	6.9	1016.6	3	002	03	2	2	7	8	7	3	/	83850	87656		31	/Ac68 Cu hum

Mean vis = 36.4 km
Mean cloud = 5.5 69%
Mean wind speed = 7.4 kn
Mean gust = 15 kn
Mean TT = 20.0 °C
Mean TdTd = 7.9 °C
Mean RH = 47.9 %
Mean r = 6.8 g/kg
Mean PPP = 1015.9 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-May	02-May	03-May	04-May	05-May	06-May	07-May	08-May	09-May	10-May	11-May	12-May	13-May	14-May	15-May	16-May
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	0.31	0.00	0.00	0.00	0.00	0.00	0.18	0.05	0.31	0.00	0.56	0.53	0.13	0.18	0.01	0.56
5	1.00	0.00	0.00	0.00	0.00	0.00	0.87	0.11	1.00	0.00	1.00	1.00	1.00	0.00	1.00	0.22
6	1.00	0.00	0.00	0.00	0.00	0.38	1.00	0.00	1.00	0.00	0.25	1.00	0.64	0.32	0.18	1.00
7	1.00	0.60	0.00	0.00	0.00	0.81	1.00	0.73	1.00	0.00	0.00	1.00	0.10	0.32	0.98	0.97
8	1.00	0.71	0.00	0.00	0.17	1.00	0.96	0.87	1.00	0.01	0.02	1.00	0.59	0.61	0.06	0.32
9	1.00	1.00	0.00	0.00	0.00	0.35	0.74	0.00	1.00	0.10	0.00	1.00	0.19	0.59	0.00	0.01
10	1.00	1.00	0.22	0.00	0.00	0.78	0.91	0.00	1.00	0.26	0.00	0.75	0.51	0.59	0.01	0.21
11	1.00	1.00	0.03	0.00	0.44	0.78	0.18	0.00	1.00	0.01	0.01	0.19	0.57	0.36	0.23	0.00
12	1.00	1.00	0.30	0.03	0.00	0.62	0.03	0.00	0.91	0.00	0.00	0.20	0.47	0.45	0.64	0.00
13	0.91	0.77	0.03	0.00	0.00	0.85	0.00	0.00	0.70	0.00	0.02	0.16	0.47	0.64	0.23	0.00
14	0.73	0.00	0.42	0.60	0.00	0.49	0.01	0.27	0.92	0.00	0.69	0.00	0.57	0.05	0.55	0.00
15	0.35	0.00	0.00	0.46	0.00	0.51	0.00	0.77	0.68	0.00	0.52	0.06	0.70	0.62	0.17	0.00
16	0.99	0.00	0.00	0.93	0.00	0.00	0.00	0.13	1.00	0.19	0.87	0.24	0.39	0.28	0.08	0.00
17	1.00	0.00	0.00	0.82	0.00	0.00	0.00	0.64	1.00	0.11	1.00	1.00	0.08	0.27	0.12	0.00
18	0.92	0.00	0.00	0.06	0.00	0.00	0.00	0.75	0.78	0.69	0.93	0.96	0.74	1.00	0.60	0.00
19	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.41	0.54	0.40	0.30	0.26	0.37	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	**13.20**	**6.08**	**1.02**	**2.90**	**0.62**	**6.79**	**5.87**	**4.31**	**13.29**	**1.78**	**6.41**	**9.48**	**7.44**	**6.54**	**5.23**	**3.28**

Hour	17-May	18-May	19-May	20-May	21-May	22-May	23-May	24-May	25-May	26-May	27-May	28-May	29-May	30-May	31-May	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	0.03	0.28	0.00	0.15	0.00	0.57	0.00	0.50	0.53	0.54	0.49	0.47	0.12	0.48	0.00	0.23
5	0.21	1.00	0.00	0.20	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.12	1.00	0.00	0.51
6	0.85	1.00	0.00	1.00	0.13	1.00	0.69	1.00	1.00	1.00	1.00	1.00	0.58	1.00	0.02	0.58
7	0.98	0.79	0.00	0.57	0.00	1.00	0.99	1.00	1.00	1.00	1.00	1.00	0.82	1.00	0.00	0.63
8	0.47	0.78	0.16	0.00	0.13	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.88	1.00	0.02	0.61
9	0.84	0.07	0.82	0.36	0.60	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.10	1.00	0.34	0.55
10	0.69	0.03	0.35	0.50	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.07	0.58
11	0.36	0.00	0.03	0.29	0.97	1.00	1.00	1.00	1.00	1.00	1.00	0.78	0.00	1.00	0.58	0.51
12	0.33	0.01	0.00	0.33	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.28	0.25	0.98	0.34	0.49
13	0.55	0.00	0.00	0.02	0.48	1.00	1.00	1.00	1.00	1.00	1.00	0.17	0.02	0.98	0.38	0.43
14	0.08	0.00	0.22	0.01	0.20	1.00	1.00	1.00	1.00	1.00	1.00	0.20	0.96	0.83	0.47	0.46
15	0.00	0.00	0.05	0.00	0.62	1.00	1.00	1.00	1.00	0.94	1.00	0.81	0.96	0.80	0.36	0.46
16	0.01	0.00	0.10	0.04	0.60	1.00	1.00	1.00	1.00	1.00	1.00	0.88	1.00	1.00	0.32	0.49
17	0.06	0.00	0.64	0.46	0.73	1.00	1.00	1.00	1.00	1.00	1.00	0.61	1.00	0.75	0.64	0.55
18	0.78	0.00	0.15	0.92	1.00	0.91	1.00	1.00	1.00	0.83	0.42	0.11	1.00	0.61	1.00	0.59
19	0.44	0.00	0.11	0.28	0.58	0.07	0.12	0.67	0.65	0.35	0.44	0.14	0.82	0.00	0.91	0.26
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	**6.69**	**3.97**	**2.63**	**5.12**	**7.93**	**14.54**	**12.80**	**15.17**	**15.18**	**14.67**	**14.34**	**10.45**	**8.65**	**13.43**	**5.47**	**245.31**

MAY 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	15.42	24.1	1254	5.9	442	62.9	91.5	521	27.6	1135	7.5	6.4	9.4	1439	4.6	847	1019.66	1020.8	0	1018.3	1405	0.0
2	13.87	21.7	1413	9.0	453	81.0	98.0	521	39.6	1416	10.0	7.6	9.5	1818	5.9	1148	1015.22	1019.9	11	1010.6	2328	2.1
3	14.43	18.7	1401	10.5	253	77.8	98.1	322	54.7	1404	10.3	7.8	8.4	1357	7.1	1308	1009.86	1011.9	2345	1008.6	1636	0.0
4	13.68	17.3	1441	11.5	101	82.3	96.4	811	63.7	1459	10.6	7.9	8.9	1440	7.1	2206	1013.82	1015.2	2131	1011.7	28	0.0
5	12.62	16.7	1157	9.4	206	72.6	92.8	224	52.9	1200	7.6	6.5	7.3	1156	5.6	1247	1013.02	1014.6	23	1011.4	1743	0.0
6	10.64	15.8	1358	5.1	2359	65.6	92.6	2356	41.8	1244	4.2	5.1	6.1	1506	4.3	1244	1013.78	1015.9	2354	1012.9	1553	0.0
7	10.38	17.2	1521	2.3	439	69.3	99.1	513	31.1	1155	4.0	5.0	6.6	839	3.6	1303	1015.90	1016.9	2147	1014.6	1515	0.0
8	12.58	19.3	1541	6.3	118	71.2	96.0	202	41.3	1543	7.0	6.2	7.2	730	5.5	1722	1016.71	1018.7	2345	1015.7	1543	0.0
9	14.24	22.3	1508	5.0	433	62.3	98.3	511	28.4	1459	6.0	5.8	7.6	1158	4.6	1818	1017.40	1019.0	738	1015.2	1722	0.0
10	10.51	14.7	1053	2.6	2356	68.3	84.9	2358	50.1	1823	4.8	5.3	6.5	1051	3.8	2323	1016.45	1018.6	129	1013.5	2357	0.0
11	7.54	13.8	1701	0.8	429	72.5	95.3	449	39.0	1730	2.6	4.6	6.5	1142	3.7	1731	1013.00	1016.7	2253	1011.2	726	0.0
12	9.82	16.9	1310	0.4	427	63.3	98.2	500	36.6	1816	2.4	4.5	6.1	1604	3.8	1816	1014.10	1017.0	314	1010.0	2359	0.1
13	9.56	14.4	1219	6.1	2330	73.8	96.5	2225	44.4	1240	4.9	5.4	6.4	1531	4.2	17	1003.79	1010.0	0	1001.1	1332	7.3
14	8.96	14.7	1354	4.3	2357	72.8	97.7	2359	34.6	1554	3.8	5.0	6.2	1709	3.6	1551	1002.50	1005.0	2359	1000.9	1358	2.0
15	9.11	14.8	1451	3.7	417	70.2	98.6	433	38.6	1517	3.4	4.9	5.5	954	3.9	1517	1007.47	1009.0	2312	1005.0	0	0.0
16	10.14	14.3	1039	3.3	221	76.4	95.3	2211	50.5	1041	5.9	5.9	7.8	1753	4.0	139	1008.43	1009.2	135	1007.7	1513	1.0
17	11.43	16.2	1329	7.0	2345	74.4	97.2	520	37.8	1334	6.5	6.0	7.4	754	4.3	1337	1010.15	1011.8	2243	1007.9	45	0.8
18	11.19	14.7	1157	7.3	4	72.5	96.5	0	55.2	1224	6.2	5.9	7.2	2357	5.5	1227	1011.89	1012.6	1617	1010.9	2359	0.4
19	13.97	17.4	947	10.4	13	80.6	97.6	608	61.8	1151	10.5	7.9	10.0	900	6.9	2058	1008.27	1011.0	1	1006.6	1004	2.8
20	15.09	19.7	1214	11.8	408	73.4	91.5	1604	46.7	1100	10.2	7.6	10.4	1604	6.4	1100	1018.54	1025.5	2340	1010.6	2	1.1
21	17.63	23.6	1634	10.9	148	68.0	88.6	155	49.2	1633	11.4	8.2	10.3	1321	6.9	124	1025.54	1027.0	801	1024.4	1747	0.0
22	20.56	27.4	1301	10.4	254	61.3	96.0	334	34.2	1322	11.9	8.5	10.0	857	7.1	1716	1024.09	1025.3	25	1022.6	1619	0.0
23	21.49	27.8	1543	15.3	156	61.6	90.5	400	29.9	1553	12.9	9.1	10.8	1056	6.9	1645	1026.38	1029.4	2359	1022.6	107	0.0
24	22.11	30.4	1519	12.2	424	61.7	98.4	508	23.6	1525	12.7	8.9	11.2	943	6.4	1526	1029.81	1031.3	754	1028.3	1827	0.0
25	24.29	33.3	1340	14.0	2343	56.8	98.4	2359	18.7	1515	12.6	9.0	12.8	906	5.9	1515	1029.01	1030.8	902	1027.8	1728	0.0
26	24.91	32.9	1508	14.5	2346	56.7	96.0	2345	27.6	1550	14.2	9.8	12.0	1335	8.4	1634	1024.56	1027.2	904	1022.9	1728	0.0
27	21.99	29.6	1349	15.1	2355	60.6	90.0	2356	32.6	1301	13.4	9.4	11.2	1144	7.7	2115	1023.37	1025.5	903	1022.2	1607	0.0
28	23.06	30.9	1222	14.7	2358	56.0	83.8	2231	27.4	1524	12.9	9.1	11.5	1141	7.3	1524	1019.62	1027.0	904	1018.8	1706	0.0
29	19.74	24.7	1506	14.6	2350	54.7	78.7	2352	21.4	1422	9.5	7.4	9.3	1034	4.1	1422	1022.50	1023.8	1158	1021.5	1915	0.0
30	20.46	27.8	1456	11.7	408	49.5	86.8	447	24.8	1815	8.2	6.7	8.7	932	5.0	1810	1018.89	1022.4	242	1015.5	1726	0.0
31	17.94	22.6	1323	13.1	2337	57.3	77.6	2354	38.4	1323	9.1	7.1	8.9	1059	5.7	1309	1016.92	1018.3	2231	1016.0	1334	0.0
Total																						17.6
Mean	15.14	21.15		8.67		67.3	93.45		38.84		8.29	6.92	8.64		5.48		1016.47	1018.94		1014.41		
Max	24.91	33.30		15.31		82.3	99.10		63.67		14.16	9.85	12.79		8.44		1029.81	1031.25		1028.28		
Min	7.54	13.80		0.35		49.5	77.57		18.66		2.38	4.50	5.54		3.58		1002.50	1005.02		1000.90		

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 — SPRING 2026

Temperature (°C)			Rank in the past **145** years
Mean maximum	17.3	(+2.5)	3rd highest
Mean minimum	6.2	(+1.0)	4th highest
Daily mean	11.7	(+1.7)	*** Highest ***
Rainfall total (mm)	54.3	(40%)	8th lowest
Sunshine total (hours)	651.4	(139%)	

Nº of: Dry days 68 (+13) Wet days 13 (-13)

Days with: Air frost 3 (-7) Ground frost 33 (-2) Snow falling 0 (-3) Snow lying 0 (0)

Thunder 2 (-2) Hail ≥5mm 1 (0) Small hail/ice 5 (0) Fog @09 GMT 1 (0) Nil sun 6 (-3)

Air pressure MSL : Mean @09 GMT (mbar) 1019.1 (+3.1)

Departure from 1991 to 2020 average shown in brackets.

Notes.

Temperature: A spring season for the record books, with an unprecedented heatwave in May. The mean temperature is the highest for spring in the past 145 years, 0.3° above the previous highest in both 2025 and 2024. Notably, 8 of the 10 warmest springs have occurred since 2007. The mean is 2.7° above the long-term median, but is only 1.7° above the current 30 year average. The mean maximum ranks 3rd highest in 145 years and is 0.5° below the record set in 2025. The mean minimum is 0.9° below the record set in 2024. The season's highest max, 33.3° on 25th May, is 7.7° above the median, and a new record, 1.5° above the previous highest in 1944. The lowest max, 9.0° on 6th March, is 4.5° above the median and is 4th highest in 114 years. The highest min, 16.6° on 27th May, is 4.0° above its median and is a new record, 0.5° above the previous highest in 1944, and the lowest min, -1.2° on 22nd March, is 2.9° above its median and 3rd highest in 123 years. The mean grass min was 2.5° above average, and the lowest grass min was -5.6° on 25th April, 3.7° above average and a new record high for the past 47 years. The mean earth temperature at 30cm depth was 11.7°, anomaly +1.3°, and equal highest with 2024 in 47 years. At 1 m depth the mean was 11.0°, anomaly +1.3°, and 2nd highest after 2024. The highest and lowest daily values at both depths are new record highs. The number of air frosts is 3rd lowest for spring since before 1956. The monthly mean temperature for each of this spring's months are well above average, their anomalies range from +1.4° in March to +2.3° in May.

Rainfall: This has been a very dry spring, the rainfall totals for each of its months failed to reach the average. March had 79% but April had on;y 9%, and May fared little better with 39%. The season's total ranks 8th lowest in 145 years, yet 2 recent springs ranked even lower, 4th lowest in 2025, and 3rd lowest in 2011. The wettest month this spring was March with 32.5 mm, then May with 17.5 mm, then April with just 4.3 mm. The season's wettest day was 12th March with 14.1 mm, that one day accounting for about one quarter of the season's total. The number of dry days is 7th highest since before 1905. Rainfall duration was 42.4 hours, 35% of average. Hail, mostly in the form of ice pellets, occurred on the 25th and 28th March, 11th April and 13th and 14th May, but also on 12th April when stones up to 10 mm diameter fell. Thunder occurred on the 13th and 14th May. The highest rain rate this spring was 81 mm/hr on the 13th March, and rates also exceeded 50 mm/hr on the 15th and 24th March, but not at all after that. Estimated soil moisture deficit shows that unirrigated shallow rooted plants suffered stress after 25th April, and severe stress after mid-May. An index of severe stress for the spring season was 293, the 5th highest in the past 50 years, but less than last spring's 361.

Sunshine: This has been a very sunny spring, the 3rd sunniest in this millennium after 2025 and 2020. Sunshine was well above average in each month, ranging from 146% in April to 126% in March and 127% in May. April was the sunniest month, its daily mean of 8.27 hours, even beating May's 7.91 hours, with March having 5.10 hours. The dullest conditions were seen in early March, with only 0.6 hours of sun over 4 days to the 9th, but there were some notably sunny periods, the 14 days to the 1st May had a mean of 11.41 hours per day, and the 9 days to the 30th May had a mean of 13.26 hours per day. Overall there were 21 days with <3 hours, 53 with =>6 hours and 17 with =>12 hours.

Wind: The mean speed of 7.0 mph is very close to average. The windiest day was the 12th March, mean 16.8 mph, and the highest gust of 50 mph was on the 13th March. The 24th May was the least windy day, mean speed 2.0 mph. Daily mean direction/number of days, N,6 NE,14 E,12 SE,3 S,13 SW,24 W,17 NW, 3. Compared with average, winds from E were 6.7% more frequent, and from W were 6.4% more frequent, while those from NW, N and NE combined were 14.2% less frequent.

Humidity: The overall mean relative humidity was 70.4%, and the lowest value recorded was 9% on the 25th April. This is an exceptionally low value and a new record since continuous monitoring of humidity started in 1998, and is close to the UK national lowland record (to be confirmed).

Pressure: The overall mean MSL air pressure was 1019.1 mbar, anomaly +3.1 mbar. The highest value was 1032.6 mbar on the 29th March and the lowest was 997.5 mbar on the 13th March, the highest for spring since 1990. The total span of 35.1 mbar is well below the average of 52.8 mbar.

March: Mild and quite sunny with below average rainfall. Mean temperature 7th highest in 145 years. Lowest max 7th highest in 114 years. Lowest min 8th highest in 123 years. Earth temperature at both 30cm and 1 m depth are new record highs.

April: Very mild, very dry and very sunny. The mean temperature 6th highest in 145 years. The daily mean temperature range of 21.9° on 25th is 2nd highest for April in 51 years. The highest max is 8th highest in 123 years. The lowest max is 4th highest in 114 years. It was the 7th driest April in 145 years with only 9% of the average rainfall. 3rd sunniest in this millennium. Mean RH lowest for April since before 1998. RH fell to 9% on 25th.

May: Sunny and very dry with a record breaking heatwave. Mean temperature and mean maximum both new record highs. Unprecedented heatwave over the final 10 days, with new May records set for daily maximum on the 25th and 26th. The highest min is also a new record high. Earth temperatures reached their highest daily May values in the past 37 years. Driest since 2020 and before that 1991. 4th sunniest May in this millennium.

Month	Mean Max	Anom	Mean Min	Anom	Rain mm	Anom	Sun hrs	Anom	Mean Wind mph	Max gust	Mean pressure	Anom
March	13.4°	+1.8°	4.2°	+1.0°	32.5	79%	158.0	126%	7.4	50	1019.2	+3.6
April	17.4°	+2.6°	5.1°	+0.4°	4.3	9%	248.1	146%	7.7	43	1021.1	+6.1
May	21.2°	+3.1°	9.2°	+1.5°	17.5	39%	245.3	127%	6.1	40	1017.1	+0.6

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.