

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

JANUARY 2026

| Temperature (°C) | Anomaly | | Rank in the past 145 years | | | | | | |
|-----------------------------------|-------------|-----------------------------------|----------------------------|--------------------------------------------|--------------|--------------|-----|---------|---|
| Mean maximum | 8.3 | +0.2 | 47th highest | | | | | | |
| Mean minimum | 1.8 | -0.2 | 61st highest | | | | | | |
| Daily mean | 5.0 | -0.1 | 50th highest | | | | | | |
| Highest maximum | 11.9 | on 12th | Lowest maximum | 2.4 on 5th | | | | | |
| Highest minimum | 7.7 | on 13th | Lowest minimum | -7.0 on 6th | | | | | |
| Mean grass minimum | -0.6 | +0.5 | Lowest grass minimum | -9.5 on 6th | | | | | |
| Mean earth @30 cm | 5.7 | 0.0 | Earth @100 cm | 7.1 -0.6 | | | | | |
| Frost duration (hrs) | 82.5 | | Rain duration (hrs) | 110.7 | | | | | |
| Rainfall total (mm) | 127.6 | 194 % | 3rd highest | | | | | | |
| Highest daily fall | 18.8 | on 8th | Highest rate mm/hr | 25 on 13th | | | | | |
| Number of: Dry days (<0.2mm) | 8 | Wet days (>0.9mm) | 17 | days ≥5mm | 11 | | | | |
| Sunshine total (hrs) | 83.7 | Daily mean | 2.70 | 115 % | Sunniest day | 7.5 on 5th | | | |
| N° days with: Air frost | 11 | Ground frost | 15 | Snow falling | 4 | Snow lying | 0 | | |
| Thunder | 0 | Hail ≥5mm | 0 | Small hail/ice | 0 | Fog @09 | 1 | Nil sun | 9 |
| Pressure MSL : Mean @09 GMT, mbar | 1003.4 | -12.9 | Highest | 1022.8 on 11th | Lowest | 975.9 on 8th | | | |
| Relative humidity : Mean (%) | 88.9 | Lowest | 52 on 3rd | Water vapour (g/kg), mean at 09 and 15 GMT | | 5.0, 5.2 | | | |
| Overall mean wind speed (mph) | 6.6 | Windiest day | 12.2 on 9th | Max gust | 31 on 9th | | | | |
| Wind direction (days) | N 0 | NE 0 | E 5 | SE 11 | S 4 | SW 3 | W 5 | NW 3 | |
| Least windy day (mph) | 2.2 on 28th | Calm; less than 0.5 mph (minutes) | | n/a | | | | | |

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

Notes:

Very Wet with Temperature Near, and Sunshine Above, Average

This January got off to a cold, sunny and mainly dry start, but mild and wet conditions set in after the first week. **Temperature:** Both the mean maximum and minimum are close to the current 30 year average, but compared with the long-term median, the anomaly for the daily mean is +0.6°. In this millennium 11 Januaries have been milder than this one, but neither 2024 or 2025 are among them. The highest max is 0.6° above the median and the lowest max is 1.1° above its median. The highest min is 0.8° below the median and the lowest min is 1.1° below its median. The mean grass min is highest since 2021, and the lowest daily value is 1.1° above average. Mean earth temperature at 30 cm depth is exactly average, but at 1 m depth is 0.6° colder than average. Anomalies for daily max were above +4° on the 12th and 30th, and exceeded -5° on the 4th and 5th, with extreme values of +4.6° on the 12th and -5.5° on the 5th. Anomalies for daily min were above +5° on the 13th and 20th, and exceeded -5° from 4th to 6th, with extreme values of +6.8° on 13th and -8.7° on 6th. **Rainfall:** This has been a very wet January, ranking 3rd wettest in the past 145 years here in Wokingham, although the total is only 0.1mm above the previous 3rd wettest in 1948. The record wettest occurred as recently as 2014 when 153.9 mm of rain fell, 26.3 mm more than in January this year. There were 7 fewer dry days than average, but 4 of the first 5 days were dry, the remaining 4 dry days being scattered singly through the next 26 days. The number of days having at least 5 mm is equal highest with 2014 and 1988 in the past 51 years. The rainfall duration is 50.1 hours above average and 2nd highest after 2014 in the past 33 years. Snow fell on the 2nd, 5th, 6th and 9th, but there was never enough to count as a day with snow lying (at least 50% cover at 0900 GMT). Daily rainfall accumulation compared with normal was 8 mm in deficit on the 5th which became a surplus of 30 mm by the 16th, which had more than doubled to 62 mm by the 31st. There was no thunder or hail this month. Freezing fog was recorded at 0900 GMT on the 14th. **Sunshine:** The total suggests that this has been quite a sunny January, but this is the result of 5 very sunny days in the first week, which produced 40% of the month's total, the remainder of the month being rather dull. For example, in the 16 day period to the 23rd, 11 days had <6% of the maximum, and included all 9 days this month with nil sun. There have been 9 sunnier Januaries in this millennium. Sunshine accumulation compared with normal showed a surplus of 22 hours on the 7th which decreased steadily to 10 hours by the 31st. Overall there were 19 days with <3 hours and 8 with =>6 hours. **Wind:** The mean speed this January is 1.1 mph below average and the month's highest gust is 19 mph below average, and lowest since 2010. The mean wind direction of 163° (SSE) is anomalous, the normal being southwesterly, and it is 25 years since we had a similar anomaly. Daily mean directions were between N and W on 2nd, 3rd, 5th, 9th and 10th, between W and S on 1st, 4th, 6th, 7th, 12th, 13th and 15th, between E and N on 18th, 25th and 26th, otherwise between S and E. Daily mean speeds were mainly light or moderate, but fresh on the 9th, 11th, 23rd, 24th and 27th, and very light on the 28th. **Pressure:** The mean MSL pressure is 2nd lowest for January since before 1976, after 2014, and the month's highest pressure is lowest for any January since before 1976.

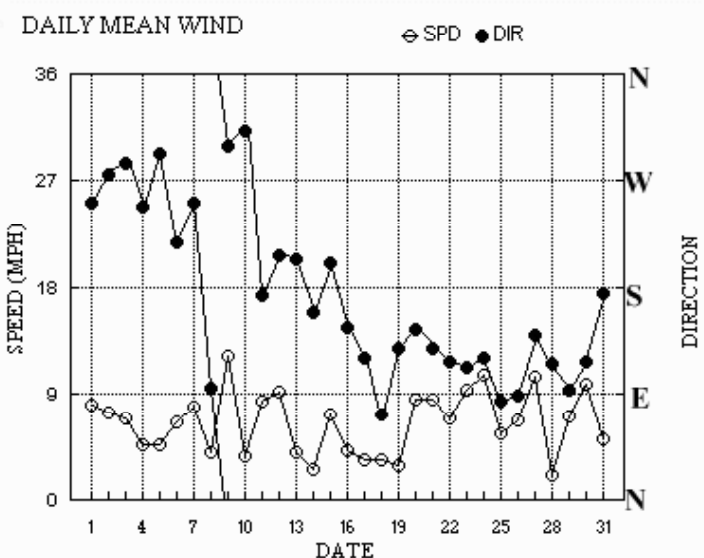
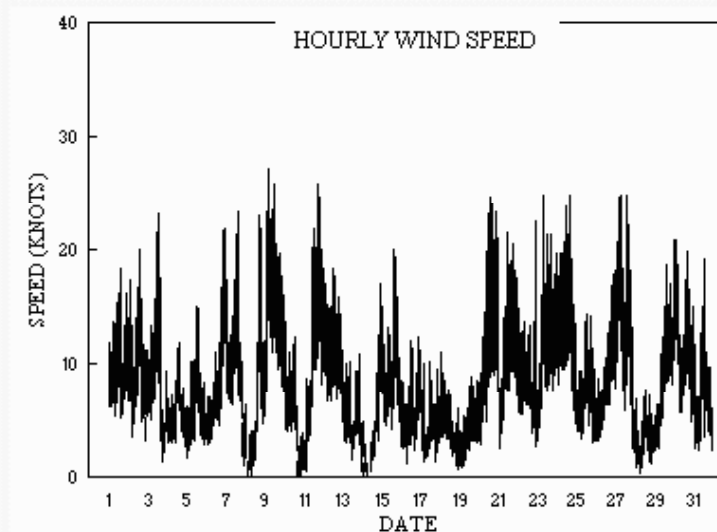
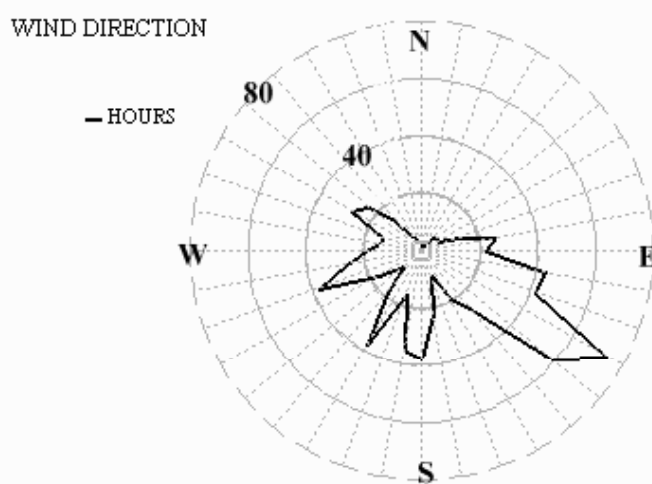
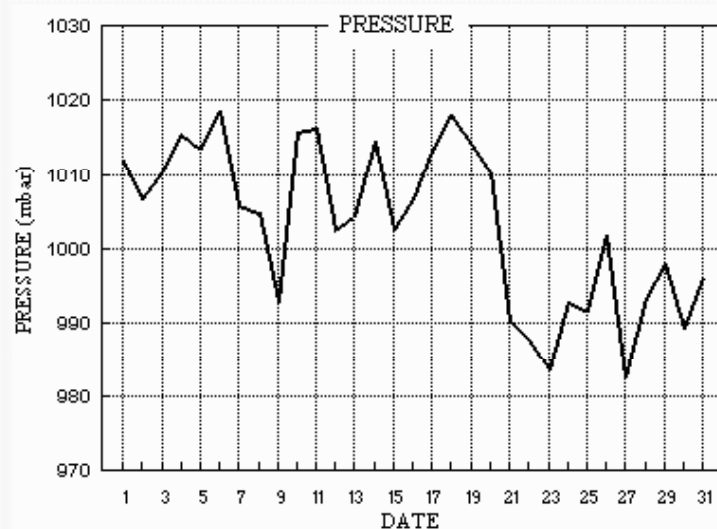
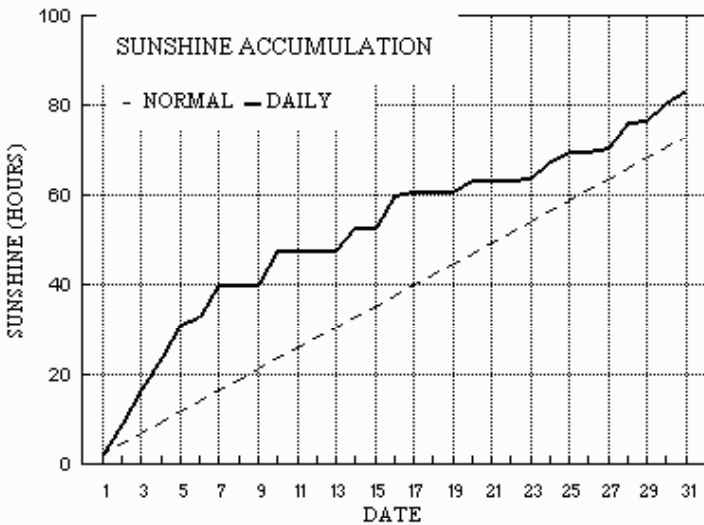
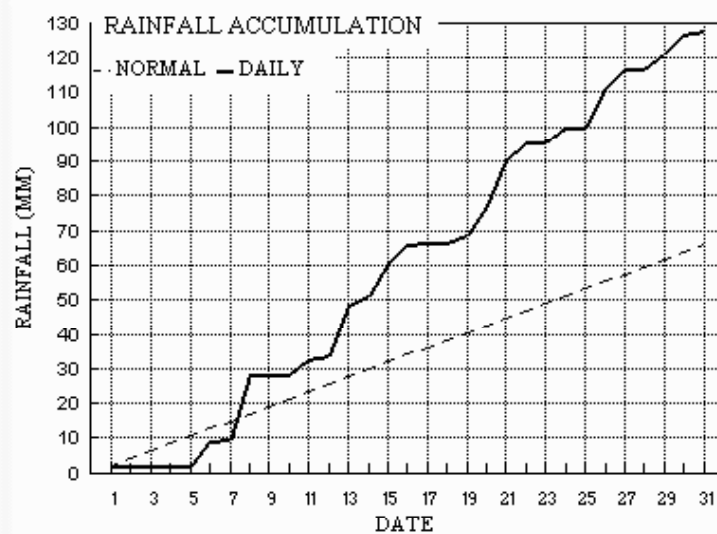
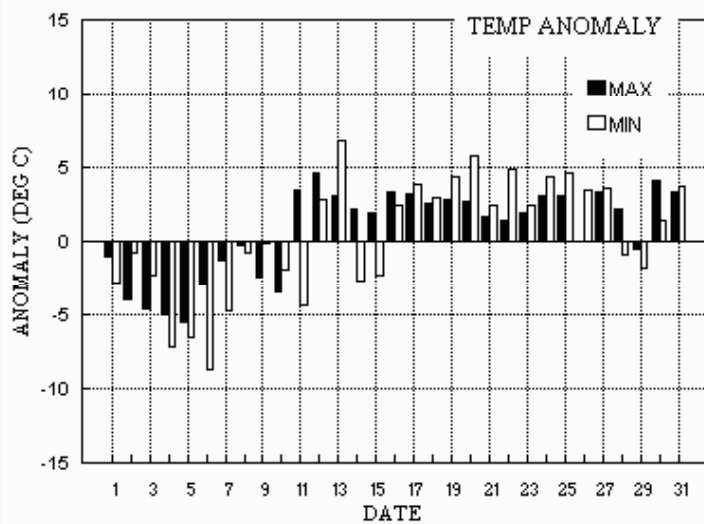
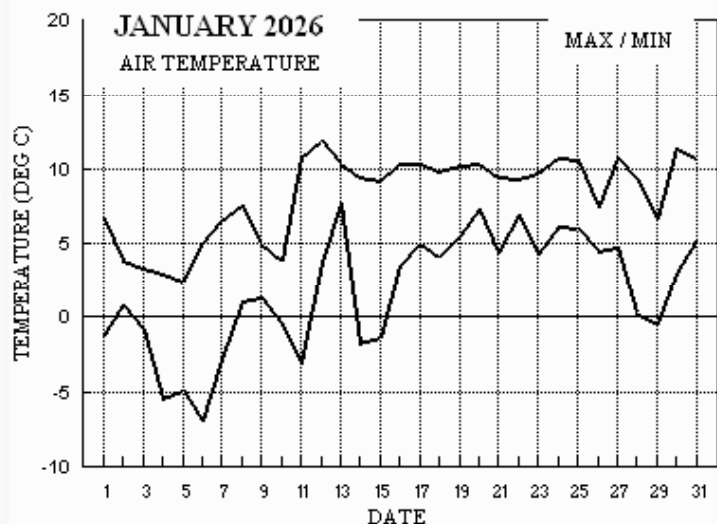
Table 1. Mean anomalies (max, min, rain, sun) for specified periods.

| From the 1 st to the 10 th | | | | From the 11 th to the 20 th | | | | From the 21 st to the 31 st | | | |
|--------------------------------------------------|-------|-------|-------|---------------------------------------------------|-------|------|-----|---------------------------------------------------|-------|------|-----|
| -3.0° | -3.6° | 133 % | 203 % | +3.0° | +2.0° | 227% | 86% | +2.1° | +2.6° | 217% | 79% |

B J Burton FRMetS.

Hon. Met. Officer to Wokingham Town Council.

Wokingham climatological graphs for January 2026



Month: JANUARY 2026

| Date | Max C | Min C | Rain mm | Grass Min | 30cm C | 100cm C | Sun hrs | Frost hrs | pp09 mbar | Af Gf | Sf SI | Th Ha | Ic Fg | Vec ddd | mean ff | sp | Max gust ddd | gg | HHhh | High hr ddd | ff | Rain HH | hrs | | | | |
|------------|----------|----------|------------|--------------|-----------|------------|------------|--------------|--------------|----------|----------|----------|----------|------------|------------|----|-----------------|------|------|----------------|----|------------|-----|----|----|------|-------|
| 1 | 6.6 | -1.2 | 2.0 | -5.5 | 5.5 | 8.5 | 2.1 | 2.7 | 1012.0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 251 | 6.5 | 7.0 | 282 | 18 | 1320 | 283 | 10 | 13 | 0.9 | |
| 2 | 3.8 | 0.8 | 0.0 | -2.2 | 5.3 | 8.2 | 7.0 | 2.0 | 1006.7 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 275 | 6.0 | 6.5 | 295 | 20 | 1350 | 305 | 10 | 14 | 0.0 | |
| 3 | 3.4 | -0.8 | 0.0 | -5.0 | 4.9 | 8.0 | 7.4 | 9.6 | 1010.5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 284 | 5.5 | 6.0 | 298 | 23 | 1245 | 302 | 12 | 12 | 0.0 | |
| 4 | 3.0 | -5.4 | tr | -8.7 | 4.4 | 7.8 | 7.4 | 16.5 | 1015.5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 248 | 4.1 | 4.1 | 268 | 12 | 1435 | 262 | 7 | 13 | 0.0 | |
| 5 | 2.4 | -4.9 | tr | -8.7 | 3.9 | 7.5 | 7.5 | 17.6 | 1013.4 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 293 | 3.7 | 4.0 | 312 | 15 | 1225 | 309 | 7 | 13 | 0.0 | |
| 6 | 5.0 | -7.0 | 7.2 | -9.5 | 3.5 | 7.2 | 1.7 | 11.4 | 1018.7 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 218 | 5.5 | 5.8 | 208 | 22 | 2330 | 208 | 12 | 23 | 4.1 | |
| 7 | 6.5 | -2.9 | 0.3 | -3.4 | 3.3 | 6.9 | 7.2 | 0.0 | 1005.9 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 251 | 6.7 | 6.9 | 261 | 24 | 1420 | 258 | 12 | 14 | 2.1 | |
| 8 | 7.5 | 1.1 | 18.8 | -3.3 | 3.2 | 6.7 | 0.0 | 0.0 | 1004.7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 95 | 2.5 | 3.5 | 79 | 23 | 1745 | 80 | 11 | 17 | 14.2 | |
| 9 | 5.0 | 1.3 | 0.2 | 0.8 | 3.6 | 6.4 | 0.0 | 0.0 | 992.8 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 299 | 10.5 | 10.6 | 300 | 27 | 0525 | 296 | 14 | 06 | 1.0 | |
| 10 | 3.9 | -0.5 | 0.0 | -4.1 | 4.0 | 6.3 | 7.3 | 9.7 | 1015.7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 311 | 3.0 | 3.2 | 299 | 15 | 0035 | 304 | 7 | 00 | 0.0 | |
| 11 | 10.8 | -3.2 | 4.4 | -6.5 | 3.6 | 6.2 | 0.0 | 3.6 | 1016.4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 173 | 6.8 | 7.2 | 178 | 26 | 1805 | 182 | 14 | 20 | 3.0 | |
| 12 | 11.9 | 3.7 | 0.6 | 6.4 | 4.2 | 6.1 | 0.2 | 0.0 | 1002.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 206 | 8.0 | 8.0 | 205 | 18 | 1220 | 210 | 10 | 01 | 0.5 | |
| 13 | 10.3 | 7.7 | 14.9 | 2.8 | 5.2 | 6.2 | 0.0 | 0.0 | 1004.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 203 | 2.1 | 3.5 | 191 | 11 | 0025 | 198 | 6 | 00 | 8.8 | |
| 14 | 9.4 | -1.7 | 2.8 | -6.1 | 5.7 | 6.3 | 5.0 | 7.5 | 1014.6 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 159 | 1.2 | 2.3 | 189 | 17 | 2225 | 192 | 8 | 22 | 3.0 | |
| 15 | 9.2 | -1.3 | 9.5 | 3.4 | 5.6 | 6.5 | 0.0 | 0.0 | 1002.5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 200 | 5.1 | 6.3 | 169 | 20 | 1515 | 179 | 9 | 16 | 5.9 | |
| 16 | 10.4 | 3.5 | 5.3 | -1.1 | 6.0 | 6.6 | 7.1 | 0.0 | 1006.5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 145 | 3.1 | 3.6 | 121 | 12 | 2120 | 116 | 7 | 22 | 3.9 | |
| 17 | 10.3 | 5.0 | 0.3 | 3.5 | 6.1 | 6.7 | 0.9 | 0.0 | 1013.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 121 | 2.6 | 3.0 | 182 | 10 | 1150 | 111 | 6 | 00 | 0.4 | |
| 18 | 9.8 | 4.1 | 0.1 | -0.7 | 6.4 | 6.8 | 0.0 | 0.0 | 1018.1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 73 | 2.7 | 2.9 | 74 | 11 | 0140 | 43 | 5 | 05 | 0.3 | |
| 19 | 10.2 | 5.5 | 2.3 | 1.6 | 6.7 | 6.9 | 0.0 | 0.0 | 1014.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 129 | 2.3 | 2.6 | 158 | 9 | 1500 | 164 | 4 | 15 | 3.5 | |
| 20 | 10.3 | 7.3 | 8.1 | 4.5 | 7.0 | 7.0 | 2.4 | 0.0 | 1010.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 144 | 7.1 | 7.5 | 128 | 25 | 1415 | 129 | 11 | 17 | 5.3 | |
| 21 | 9.5 | 4.4 | 13.4 | 1.9 | 7.0 | 7.2 | 0.0 | 0.0 | 990.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 128 | 7.0 | 7.4 | 159 | 22 | 1120 | 124 | 10 | 16 | 16.1 | |
| 22 | 9.3 | 6.9 | 5.2 | 7.0 | 7.2 | 7.3 | 0.0 | 0.0 | 987.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 117 | 5.2 | 6.0 | 209 | 23 | 2135 | 203 | 10 | 21 | 7.8 | |
| 23 | 9.7 | 4.3 | 0.3 | 0.4 | 7.4 | 7.4 | 0.5 | 0.0 | 983.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 113 | 8.0 | 8.1 | 111 | 25 | 0820 | 112 | 12 | 08 | 1.2 | |
| 24 | 10.7 | 6.1 | 4.3 | 3.6 | 7.2 | 7.5 | 3.9 | 0.0 | 992.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 121 | 9.2 | 9.2 | 112 | 25 | 1750 | 112 | 12 | 17 | 5.4 | |
| 25 | 10.6 | 6.0 | 0.1 | 3.2 | 7.2 | 7.6 | 1.8 | 0.0 | 991.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83 | 4.3 | 4.9 | 101 | 14 | 1230 | 101 | 8 | 12 | 0.4 | |
| 26 | 7.4 | 4.5 | 11.2 | 4.4 | 7.2 | 7.6 | 0.1 | 0.0 | 1001.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89 | 5.5 | 5.8 | 99 | 18 | 2140 | 97 | 9 | 21 | 8.4 | |
| 27 | 10.7 | 4.7 | 5.6 | 5.5 | 7.3 | 7.6 | 0.8 | 0.0 | 982.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140 | 7.1 | 9.1 | 116 | 25 | 0650 | 113 | 15 | 05 | 3.9 | |
| 28 | 9.3 | 0.3 | tr | -2.6 | 7.2 | 7.7 | 6.0 | 0.0 | 993.3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 116 | 1.5 | 1.9 | 141 | 8 | 1305 | 189 | 4 | 19 | 0.0 | |
| 29 | 6.7 | -0.5 | 4.1 | -3.8 | 6.6 | 7.7 | 0.5 | 1.9 | 998.0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 94 | 6.0 | 6.2 | 105 | 19 | 1430 | 96 | 10 | 20 | 6.4 | |
| 30 | 11.4 | 3.0 | 5.8 | 1.2 | 6.5 | 7.6 | 3.9 | 0.0 | 989.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 117 | 7.3 | 8.5 | 100 | 21 | 0100 | 100 | 13 | 01 | 2.8 | |
| 31 | 10.8 | 5.3 | 0.8 | 2.5 | 6.8 | 7.5 | 3.0 | 0.0 | 996.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 175 | 4.3 | 4.5 | 215 | 19 | 1320 | 193 | 8 | 01 | 1.4 | |
| Total | | | 127.6 | | | | 83.7 | 82.5 | | | | | | | | | | | | | | | | | | | 110.7 |
| Mean | 8.3 | 1.8 | | -0.6 | 5.7 | 7.1 | 2.70 | | 1003.4 | | | | | | | | 163 | 2 | 5.7 | | | | | | | | |
| Anom | +0.2 | -0.2 | 194% | +0.5 | -0.0 | -0.6 | 115% | | | | | | | | | | | | | | | | | | | | -12.9 |
| Daily mean | | 5.0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anom | | -0.1 | | | | | | | | | | | | | | | | | | | | | | | | | |

Number of days with:
 Air frost = 11 Ground frost = 15 Nil sun = 9
 Snow falling = 4 Snow lying = 0 Thunder = 0
 Hail=>5mm = 0 Hail<5mm or ice = 0 Fog at 09GMT = 1

Abbreviations.

Max/min = highest and lowest air temperature at 1.2m in 24 hour period ending at 09 GMT
 Rain = total rainfall and melted snowfall in 24 hour period ending at 09 GMT, millimetres. (Tr = trace, <.05mm).
 Grass min = Lowest overnight temperature at grass tip level.
 Sun = hours of bright sunshine, measured electronically. Frost = Number of hours with air temp below 0 deg C.
 pp09 = Air pressure corrected to mean sea level at 0900 GMT, millibars.
 Af = Air frost. Gf = Ground frost. Sf = Snow falling. SI = 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 JANUARY 2026

| Date | VV | N | dd | ff | gg | TT | TdTd | RH | r | PPP | a | ppp | ww | W1 | W2 | Nh | Cl | h | Cr | Cf | NChs | hshs | NChs | Date | Remarks |
|------|----|---|----|----|----|------|------|-----|-----|--------|---|-----|----|----|----|----|----|---|----|----|-------|-------|-------|---------------------------------------------|---------|
| 1 | 82 | 7 | 24 | 07 | 14 | 1.5 | -1.1 | 83 | 3.5 | 1012.0 | 7 | 020 | 02 | 2 | 2 | 1 | 5 | 6 | 4 | 1 | 81635 | 87080 | | 1Ac62 COTRA Hoar mod | |
| 2 | 86 | 3 | 29 | 07 | 14 | 1.8 | 0.5 | 91 | 3.9 | 1006.7 | 2 | 008 | 01 | 1 | 1 | 3 | 5 | 7 | 0 | 0 | 81706 | 83656 | | 2 Slnly 10% <1cm. | |
| 3 | 88 | 0 | 29 | 07 | 15 | -0.1 | -4.0 | 75 | 2.8 | 1010.5 | 1 | 015 | 02 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | | | | 3 Hoar slt Sn ly tr lcy pat Gnd frzn | |
| 4 | 82 | 1 | 24 | 03 | 06 | -5.0 | -5.8 | 94 | 2.4 | 1015.5 | 1 | 009 | 02 | 0 | 0 | 1 | 5 | 6 | 0 | 0 | 81633 | | | 4 Hoar mod Slnly tr. lcy pat Gnd frzn | |
| 5 | 88 | 0 | 27 | 03 | 06 | -3.9 | -4.6 | 95 | 2.7 | 1013.4 | 2 | 016 | 01 | 1 | 1 | 0 | 0 | 9 | 0 | 0 | | | | 5 Hoar mod Slnly 30% <1cm lcy pat | |
| 6 | 70 | 7 | 24 | 06 | 08 | -2.9 | -3.9 | 93 | 2.8 | 1018.7 | 5 | 003 | 70 | 1 | 1 | 7 | 5 | 5 | / | / | 81622 | 83635 | 86650 | 6 /Ci75 Hoar slt Slnly tr Gnd frzn | |
| 7 | 80 | 1 | 26 | 07 | 13 | 2.8 | 0.0 | 82 | 3.8 | 1005.9 | 3 | 011 | 02 | 0 | 0 | 1 | 5 | 6 | 0 | 1 | 81645 | | | 7 1Ci70 Hoar slt Gnd frzn lcy pat | |
| 8 | 18 | 8 | 12 | 01 | 02 | 3.5 | 3.4 | 99 | 4.9 | 1004.7 | 8 | 003 | 10 | 5 | 2 | 8 | 6 | 2 | / | / | 88703 | | | 8 | |
| 9 | 59 | 8 | 31 | 14 | 23 | 2.6 | 1.6 | 93 | 4.3 | 992.8 | 1 | 045 | 63 | 7 | 6 | 7 | 7 | 3 | 2 | / | 87709 | 88520 | | 9 | |
| 10 | 62 | 2 | 31 | 05 | 09 | -0.1 | -1.4 | 91 | 3.4 | 1015.7 | 2 | 034 | 03 | 0 | 0 | 2 | 6 | 4 | 0 | 0 | 82710 | | | 10 Hoar mod. lcy pat. Gnd frzn | |
| 11 | 68 | 8 | 15 | 02 | 08 | 3.7 | 1.9 | 88 | 4.3 | 1016.4 | 6 | 020 | 03 | 2 | 2 | 1 | 6 | 4 | 7 | / | 81715 | 87357 | | 11 /As60 | |
| 12 | 62 | 7 | 20 | 08 | 13 | 10.1 | 8.2 | 88 | 6.8 | 1002.5 | 3 | 004 | 21 | 6 | 2 | 6 | 5 | 4 | 8 | 2 | 85615 | 83650 | 87075 | 12 2Ac64 jpSE Ac cas | |
| 13 | 56 | 8 | 17 | 05 | 10 | 9.8 | 9.0 | 95 | 7.2 | 1004.4 | 0 | 001 | 62 | 6 | 2 | 7 | 7 | 2 | 2 | / | 87704 | 88550 | | 13 | |
| 14 | 01 | 0 | 12 | 01 | 02 | -1.3 | -1.3 | 100 | 3.4 | 1014.6 | 1 | 014 | 48 | 4 | 0 | 0 | 0 | 9 | 0 | 0 | | | | 14 vv150 Hoar+rime thk lcy pat | |
| 15 | 56 | 8 | 18 | 07 | 13 | 8.8 | 8.0 | 95 | 6.7 | 1002.5 | 7 | 012 | 21 | 6 | 2 | 7 | 5 | 2 | 2 | / | 83705 | 87615 | 88550 | 15 jpNW | |
| 16 | 50 | 3 | 18 | 03 | 04 | 5.0 | 4.9 | 99 | 5.4 | 1006.5 | 3 | 020 | 10 | 1 | 1 | 1 | 5 | 2 | 4 | 1 | 81705 | 83075 | | 16 1Sc40 1Ac68 COTRA Cb tops S-SW | |
| 17 | 56 | 7 | 11 | 02 | 04 | 7.9 | 7.6 | 98 | 6.5 | 1013.3 | 3 | 020 | 21 | 6 | 2 | 6 | 5 | 3 | 7 | / | 82706 | 83615 | 85635 | 17 7Ac64 jpE | |
| 18 | 17 | 8 | 07 | 03 | 07 | 7.2 | 7.1 | 99 | 6.2 | 1018.1 | 0 | 004 | 28 | 4 | 5 | 8 | 6 | 1 | / | / | 88702 | | | 18 | |
| 19 | 50 | 7 | 12 | 02 | 05 | 8.9 | 8.6 | 98 | 6.9 | 1014.0 | 1 | 007 | 10 | 2 | 2 | 7 | 5 | 2 | / | / | 86705 | 87630 | | 19 | |
| 20 | 82 | 6 | 15 | 06 | 13 | 8.2 | 6.0 | 86 | 5.8 | 1010.1 | 7 | 007 | 02 | 2 | 2 | 6 | 8 | 4 | 0 | 1 | 85813 | 83635 | | 20 1Ci75 Cu med | |
| 21 | 50 | 8 | 11 | 08 | 15 | 6.9 | 6.5 | 97 | 6.1 | 990.3 | 7 | 042 | 58 | 6 | 5 | 7 | 7 | 3 | 2 | / | 87706 | 88540 | | 21 | |
| 22 | 59 | 8 | 12 | 07 | 13 | 8.4 | 8.0 | 97 | 6.8 | 987.8 | 4 | 000 | 50 | 6 | 5 | 8 | 5 | 3 | / | / | 87708 | 88625 | | 22 | |
| 23 | 50 | 8 | 12 | 10 | 25 | 6.5 | 5.5 | 93 | 5.7 | 983.6 | 6 | 003 | 58 | 6 | 5 | 7 | 7 | 3 | 2 | / | 87709 | 88550 | | 23 | |
| 24 | 78 | 6 | 12 | 08 | 17 | 6.8 | 3.8 | 81 | 5.1 | 992.7 | 2 | 018 | 02 | 2 | 2 | 3 | 5 | 4 | 0 | 1 | 83617 | 85073 | | 24 COTRA | |
| 25 | 58 | 6 | 10 | 04 | 07 | 6.8 | 6.4 | 97 | 6.1 | 991.6 | 2 | 003 | 25 | 8 | 2 | 4 | 8 | 3 | 0 | 1 | 81706 | 83810 | 85072 | 25 1Sc33 Cu med jpN&E | |
| 26 | 28 | 8 | 07 | 05 | 08 | 4.7 | 3.7 | 93 | 5.0 | 1001.8 | 0 | 002 | 05 | 2 | 2 | 8 | 6 | 3 | / | / | 88706 | | | 26 | |
| 27 | 40 | 8 | 12 | 10 | 19 | 7.4 | 6.7 | 95 | 6.2 | 982.6 | 6 | 010 | 63 | 6 | 6 | 7 | 7 | 2 | 2 | / | 87705 | 88515 | | 27 | |
| 28 | 45 | 2 | 04 | 01 | 03 | 1.2 | 1.2 | 100 | 4.2 | 993.3 | 1 | 006 | 40 | 0 | 0 | 1 | 5 | 7 | 0 | 1 | 81656 | | | 28 1Ci68 2Ci75 jfNW Hoar slt Shallow fg pat | |
| 29 | 12 | 8 | 09 | 05 | 11 | 3.0 | 2.9 | 99 | 4.7 | 998.0 | 0 | 001 | 28 | 4 | 4 | 8 | 6 | 1 | / | / | 88702 | | | 29 | |
| 30 | 56 | 5 | 12 | 03 | 05 | 6.7 | 6.6 | 99 | 6.2 | 989.2 | 3 | 004 | 10 | 6 | 1 | 4 | 8 | 3 | 3 | 1 | 82708 | 83622 | | 30 1Cu18 1Ac68 2Ci72 Cu med Parhelion | |
| 31 | 59 | 3 | 16 | 02 | 07 | 6.1 | 5.7 | 97 | 5.8 | 996.1 | 2 | 027 | 15 | 1 | 1 | 1 | 9 | 4 | 6 | 3 | 81712 | 81920 | 83068 | 31 1Ac65 Cb&jpW | |

Mean vis = 17.3 km

Mean cloud = 5.5 68%

Mean wind speed = 5.2 kn

Mean gust = 10 kn

Mean TT = 4.3 °C

Mean TdTd = 3.3 °C

Mean RH = 93.2 %

Mean r = 5.0 g/kg

Mean PPP = 1003.4 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 JANUARY 2026

| Date | VV | N | dd | ff | gg | TT | TdTd | RH | r | PPP | a | ppp | ww | W1 | W2 | Nh | Cl | h | Cr | Ci | NChs | hshs | NChs | Date | Remarks |
|------|----|---|----|----|----|------|------|----|-----|--------|---|-----|----|----|----|----|----|---|----|----|-------|-------|-------|------|-------------------------------------------------------|
| 1 | 88 | 8 | 28 | 07 | 13 | 6.3 | 1.8 | 73 | 4.3 | 1008.2 | 7 | 019 | 02 | 2 | 2 | 3 | 8 | 4 | 7 | 7 | 81818 | 83625 | 88275 | 1 | 2Ac65 COTRA Cu hum |
| 2 | 86 | 0 | 31 | 09 | 19 | 3.2 | -3.4 | 62 | 3.0 | 1007.8 | 5 | 000 | 02 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 2 | Sn ly tr in shade |
| 3 | 89 | 1 | 31 | 07 | 17 | 2.8 | -5.1 | 56 | 2.6 | 1011.7 | 3 | 005 | 01 | 0 | 0 | 1 | 1 | 6 | 0 | 0 | 81835 | | | 3 | Cu hum Snly tr |
| 4 | 86 | 1 | 26 | 06 | 12 | 2.7 | -3.0 | 66 | 3.0 | 1013.2 | 6 | 015 | 03 | 0 | 0 | 1 | 5 | 6 | 4 | 0 | 81645 | | | 4 | 1Ac58 Hoar mod in shade Snly tr |
| 5 | 88 | 0 | 32 | 08 | 14 | 1.8 | -5.1 | 60 | 2.6 | 1014.7 | 3 | 008 | 02 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 5 | Hoar mod in shade Snly tr Gnd frzn |
| 6 | 68 | 6 | 20 | 05 | 09 | 2.8 | 0.4 | 84 | 3.9 | 1014.6 | 7 | 026 | 01 | 2 | 2 | 1 | 5 | 7 | 7 | 1 | 81650 | 85364 | | 6 | 2Ac58 4Ci72 COTRA Snly 40% <1cm Thaw |
| 7 | 82 | 5 | 27 | 10 | 23 | 5.9 | -0.6 | 63 | 3.7 | 1005.8 | 6 | 003 | 02 | 1 | 1 | 1 | 5 | 6 | 0 | 1 | 81640 | 85080 | | 7 | KH billows in Ci |
| 8 | 40 | 8 | 12 | 05 | 07 | 5.3 | 5.0 | 98 | 5.5 | 996.6 | 8 | 049 | 63 | 6 | 2 | 7 | 7 | 2 | 2 | / | 85703 | 83615 | 88525 | 8 | |
| 9 | 83 | 7 | 31 | 12 | 21 | 4.9 | 1.7 | 80 | 4.4 | 998.5 | 2 | 024 | 01 | 2 | 2 | 6 | 1 | 4 | 7 | 1 | 86815 | 83368 | | 9 | 1Ac59 /Ci70 |
| 10 | 84 | 2 | 33 | 04 | 08 | 3.7 | -0.9 | 72 | 3.5 | 1019.4 | 2 | 013 | 03 | 0 | 0 | 1 | 1 | 4 | 0 | 5 | 81818 | | | 10 | 1Cs78 2Ci80 Cu fra Hoar slit in shade Cs edge W |
| 11 | 56 | 8 | 17 | 10 | 20 | 7.2 | 6.1 | 93 | 5.9 | 1008.9 | 7 | 042 | 51 | 5 | 2 | 8 | 5 | 3 | / | / | 83706 | 87708 | 88618 | 11 | |
| 12 | 70 | 7 | 21 | 09 | 16 | 11.4 | 8.3 | 81 | 6.8 | 1001.8 | 0 | 000 | 15 | 2 | 2 | 6 | 8 | 4 | 0 | 2 | 84815 | 83635 | | 12 | 3Ci75 Cu med jpW |
| 13 | 57 | 8 | 20 | 02 | 05 | 10.0 | 9.7 | 98 | 7.5 | 1003.2 | 5 | 001 | 58 | 6 | 6 | 7 | 5 | 3 | 2 | / | 85708 | 87615 | 88535 | 13 | |
| 14 | 57 | 8 | 04 | 01 | 03 | 4.5 | 4.4 | 99 | 5.2 | 1011.1 | 7 | 025 | 10 | 4 | 1 | 8 | 5 | 5 | / | / | 84625 | 85630 | 88637 | 14 | |
| 15 | 50 | 8 | 14 | 05 | 11 | 8.9 | 8.3 | 96 | 6.9 | 996.4 | 7 | 048 | 63 | 6 | 6 | 7 | 5 | 4 | 2 | / | 85710 | 87615 | 88535 | 15 | |
| 16 | 81 | 4 | 16 | 05 | 12 | 9.2 | 5.4 | 77 | 5.6 | 1007.9 | 2 | 002 | 01 | 1 | 1 | 1 | 2 | 4 | 0 | 2 | 81815 | 84073 | | 16 | Cu med COTRA Halo 22° part |
| 17 | 84 | 6 | 12 | 03 | 08 | 9.7 | 7.1 | 84 | 6.2 | 1015.9 | 3 | 009 | 02 | 2 | 2 | 5 | 8 | 4 | 7 | 1 | 82815 | 83635 | 85650 | 17 | /Ac62 /Ci75 COTRA Cu med |
| 18 | 50 | 7 | 09 | 02 | 04 | 9.5 | 8.6 | 94 | 6.9 | 1015.7 | 7 | 016 | 60 | 6 | 2 | 3 | 5 | 6 | 7 | / | 83645 | 85357 | 87361 | 18 | |
| 19 | 62 | 8 | 15 | 03 | 09 | 10.0 | 9.2 | 95 | 7.2 | 1013.2 | 5 | 006 | 20 | 5 | 2 | 8 | 5 | 3 | / | / | 83709 | 87613 | 88635 | 19 | |
| 20 | 82 | 5 | 14 | 11 | 25 | 9.2 | 4.4 | 72 | 5.2 | 1005.6 | 8 | 027 | 03 | 2 | 2 | 4 | 5 | 5 | 4 | | 84621 | 83075 | | 20 | 1Ac60 AcCi edge W |
| 21 | 65 | 8 | 14 | 10 | 17 | 8.9 | 8.0 | 94 | 6.8 | 987.1 | 6 | 012 | 51 | 6 | 5 | 8 | 5 | 3 | / | / | 83708 | 87712 | 88620 | 21 | |
| 22 | 58 | 8 | 10 | 06 | 11 | 8.7 | 8.3 | 97 | 6.9 | 985.5 | 7 | 017 | 51 | 6 | 5 | 8 | 5 | 2 | / | / | 87704 | 88620 | | 22 | |
| 23 | 81 | 6 | 13 | 10 | 17 | 9.0 | 4.0 | 71 | 5.2 | 984.1 | 2 | 005 | 25 | 8 | 2 | 6 | 8 | 5 | 0 | 1 | 85822 | | | 23 | 2Sc35 2Ci75 COTRA Cu med |
| 24 | 82 | 6 | 13 | 10 | 21 | 9.8 | 3.1 | 63 | 4.8 | 992.5 | 5 | 006 | 02 | 2 | 2 | 1 | 1 | 6 | 4 | 2 | 81832 | 86073 | | 24 | 2Ac65 COTRA Cu hum Ac len vir Halo 22° part+Parhelion |
| 25 | 60 | 7 | 07 | 05 | 12 | 7.4 | 5.4 | 87 | 5.7 | 993.2 | 3 | 011 | 80 | 8 | 2 | 7 | 8 | 3 | / | 1 | 81809 | 83812 | 85625 | 25 | /Sc40 /Ci75 Cu fra/med |
| 26 | 56 | 8 | 12 | 05 | 13 | 6.6 | 3.2 | 79 | 4.8 | 1000.5 | 5 | 008 | 05 | 2 | 2 | 7 | 5 | 4 | 2 | / | 87615 | 88463 | | 26 | |
| 27 | 70 | 7 | 18 | 11 | 25 | 10.8 | 6.0 | 72 | 6.0 | 982.9 | 3 | 003 | 15 | 2 | 2 | 3 | 4 | 5 | 3 | 1 | 82825 | 85073 | | 27 | 1Sc45 2Ac65 COTRA Cu med.con jpW |
| 28 | 82 | 3 | 12 | 03 | 07 | 9.0 | 4.6 | 74 | 5.4 | 994.6 | 0 | 000 | 01 | 1 | 1 | 1 | 4 | 4 | 0 | 1 | 81815 | | | 28 | 1Sc38 1Ci68 2Ci75 Cu hum |
| 29 | 80 | 6 | 11 | 09 | 19 | 6.4 | 2.7 | 77 | 4.7 | 995.3 | 6 | 014 | 02 | 2 | 2 | 6 | 5 | 4 | / | / | 86618 | | | 29 | |
| 30 | 63 | 7 | 13 | 10 | 17 | 9.9 | 6.4 | 79 | 6.1 | 986.2 | 7 | 022 | 03 | 1 | 1 | 4 | 8 | 4 | 7 | / | 83818 | 85365 | 86468 | 30 | 2Sc28 Cu hum |
| 31 | 84 | 7 | 18 | 04 | 08 | 9.8 | 6.0 | 77 | 5.9 | 998.7 | 3 | 011 | 15 | 8 | 2 | 2 | 8 | 4 | 7 | 6 | 82818 | 83465 | 87270 | 31 | 1Sc50 1Ac60 Cu hum jpW |

Mean vis = 30.5 km
 Mean cloud = 5.8 73%
 Mean wind speed = 6.7 kn
 Mean gust = 14 kn
 Mean TT = 7.3 °C
 Mean TdTd = 3.9 °C
 Mean RH = 79.8 %
 Mean r = 5.2 g/kg
 Mean PPP = 1002.3 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-Jan | 02-Jan | 03-Jan | 04-Jan | 05-Jan | 06-Jan | 07-Jan | 08-Jan | 09-Jan | 10-Jan | 11-Jan | 12-Jan | 13-Jan | 14-Jan | 15-Jan | 16-Jan |
|---------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| 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 | 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 | 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 | 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 | 0.00 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 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 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8 | 0.20 | 0.08 | 0.44 | 0.44 | 0.44 | 0.11 | 0.44 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.58 | |
| 9 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.02 | 0.00 | 1.00 | 0.00 | 1.00 |
| 10 | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 1.00 |
| 11 | 0.00 | 1.00 | 0.99 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.96 | |
| 12 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.07 | 0.00 | 1.00 | 0.00 | 0.92 | |
| 13 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.05 | 1.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.82 | 0.00 | 0.89 | |
| 14 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.53 | 1.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.73 | |
| 15 | 0.01 | 0.95 | 0.97 | 0.91 | 1.00 | 0.99 | 0.78 | 0.00 | 0.00 | 0.83 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 1.00 | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | |
| 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 | 0.00 | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Tot | 2.09 | 7.02 | 7.40 | 7.36 | 7.46 | 1.66 | 7.23 | 0.00 | 0.00 | 7.26 | 0.00 | 0.21 | 0.00 | 5.03 | 0.00 | 7.13 | |

| Hour | 17-Jan | 18-Jan | 19-Jan | 20-Jan | 21-Jan | 22-Jan | 23-Jan | 24-Jan | 25-Jan | 26-Jan | 27-Jan | 28-Jan | 29-Jan | 30-Jan | 31-Jan | Mean |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 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 | 0.00 | 0.00 | 0.00 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.02 | 0.00 | 0.00 | 0.68 | 0.00 | 0.58 | 0.06 | 0.16 |
| 9 | 0.02 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.98 | 0.08 | 0.00 | 0.00 | 1.00 | 0.00 | 0.22 | 0.42 | 0.38 |
| 10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.82 | 0.39 | 0.00 | 0.00 | 1.00 | 0.00 | 1.00 | 0.87 | 0.43 |
| 11 | 0.26 | 0.00 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 0.00 | 0.00 | 0.45 | 0.02 | 0.65 | 0.85 | 0.36 |
| 12 | 0.23 | 0.00 | 0.00 | 0.66 | 0.00 | 0.00 | 0.01 | 0.28 | 0.38 | 0.04 | 0.00 | 0.95 | 0.00 | 0.56 | 0.51 | 0.37 |
| 13 | 0.12 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.15 | 0.71 | 0.00 | 0.00 | 0.00 | 0.28 | 0.01 | 0.88 | 0.30 | 0.33 |
| 14 | 0.06 | 0.00 | 0.00 | 0.44 | 0.00 | 0.00 | 0.22 | 0.69 | 0.00 | 0.00 | 0.33 | 0.66 | 0.45 | 0.03 | 0.00 | 0.33 |
| 15 | 0.23 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.07 | 0.24 | 0.33 | 0.00 | 0.38 | 0.74 | 0.00 | 0.00 | 0.00 | 0.32 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.23 | 0.00 | 0.00 | 0.00 | 0.01 |
| 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 | 0.00 |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tot | 0.91 | 0.00 | 0.00 | 2.38 | 0.00 | 0.00 | 0.45 | 3.94 | 1.79 | 0.04 | 0.83 | 5.97 | 0.49 | 3.92 | 3.00 | 83.60 |

| January 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 | 2.78 | 6.6 | 1333 | -0.6 | 128 | 81.1 | 93.2 | 0 | 71.9 | 1346 | -0.2 | 3.7 | 4.4 | 1247 | 3.3 | 128 | 1011.33 | 1020.4 | 0 | 1007.4 | 1814 | 0.1 |
| 2 | 1.80 | 3.8 | 1230 | -0.8 | 2303 | 78.0 | 96.8 | 710 | 61.4 | 1455 | -1.7 | 3.4 | 4.0 | 826 | 2.8 | 1924 | 1007.62 | 1009.5 | 2227 | 1005.3 | 437 | 1.8 |
| 3 | 0.33 | 3.4 | 1255 | -3.3 | 2258 | 73.9 | 86.3 | 2330 | 52.2 | 1227 | -3.9 | 2.8 | 3.4 | 251 | 2.5 | 1227 | 1011.42 | 1015.3 | 2329 | 1008.5 | 458 | 0 |
| 4 | -1.48 | 3.0 | 1436 | -5.4 | 411 | 83.5 | 94.8 | 558 | 65.1 | 1449 | -4.0 | 2.8 | 3.2 | 2047 | 2.3 | 410 | 1013.97 | 1015.7 | 1020 | 1011.6 | 2358 | 0.1 |
| 5 | -1.29 | 2.4 | 1243 | -4.9 | 2354 | 81.6 | 97.8 | 249 | 58.7 | 1313 | -4.2 | 2.8 | 3.4 | 602 | 2.3 | 2354 | 1014.42 | 1019.4 | 2334 | 1010.9 | 259 | 0.1 |
| 6 | -0.61 | 4.9 | 2029 | -7.0 | 546 | 88.4 | 94.9 | 809 | 72.8 | 2029 | -2.3 | 3.3 | 4.8 | 2359 | 2.1 | 626 | 1015.61 | 1019.4 | 4 | 1006.3 | 2358 | 1.2 |
| 7 | 3.64 | 6.5 | 1245 | 1.1 | 2119 | 81.6 | 96.1 | 142 | 61.7 | 1423 | 0.7 | 4.0 | 5.2 | 134 | 3.6 | 1424 | 1005.83 | 1007.4 | 1940 | 1004.2 | 254 | 6 |
| 8 | 4.38 | 7.5 | 2045 | 2.6 | 308 | 96.6 | 99.3 | 825 | 84.9 | 5 | 3.9 | 5.1 | 6.5 | 2039 | 4.0 | 38 | 996.32 | 1006.5 | 0 | 975.9 | 2313 | 15.6 |
| 9 | 3.63 | 5.9 | 47 | 1.3 | 412 | 87.0 | 96.1 | 23 | 75.3 | 2323 | 1.6 | 4.3 | 5.7 | 29 | 3.7 | 2325 | 994.53 | 1007.4 | 2358 | 976.2 | 1 | 3.7 |
| 10 | 0.62 | 3.9 | 1315 | -3.1 | 2232 | 86.6 | 98.5 | 2337 | 70.8 | 1307 | -1.4 | 3.4 | 3.9 | 2 | 2.9 | 2232 | 1016.75 | 1022.7 | 2200 | 1007.2 | 2 | 0.1 |
| 11 | 4.75 | 10.8 | 2330 | -3.2 | 214 | 91.0 | 99.2 | 223 | 77.7 | 1152 | 3.4 | 5.0 | 7.7 | 2325 | 2.9 | 214 | 1012.27 | 1022.8 | 13 | 1001.4 | 2317 | 4.1 |
| 12 | 10.37 | 11.9 | 1254 | 8.2 | 2330 | 86.1 | 94.2 | 1 | 79.9 | 1304 | 8.1 | 6.7 | 7.6 | 2 | 6.1 | 2310 | 1002.53 | 1005.3 | 2335 | 1001.5 | 117 | 0.3 |
| 13 | 8.82 | 10.3 | 1248 | 4.2 | 2357 | 95.3 | 98.1 | 1652 | 87.8 | 2157 | 8.1 | 6.8 | 7.6 | 1526 | 4.9 | 2231 | 1005.14 | 1010.5 | 2355 | 1002.6 | 1316 | 15.5 |
| 14 | 3.21 | 9.4 | 2313 | -1.7 | 737 | 98.8 | 100.0 | 327 | 94.7 | 1623 | 3.0 | 4.8 | 7.2 | 2258 | 3.3 | 737 | 1010.92 | 1014.8 | 1017 | 1004.9 | 2239 | 1.9 |
| 15 | 8.03 | 9.2 | 1657 | 4.7 | 2359 | 94.4 | 97.6 | 653 | 88.0 | 103 | 7.2 | 6.4 | 6.9 | 727 | 5.0 | 2359 | 1000.70 | 1005.7 | 11 | 994.2 | 1748 | 9.7 |
| 16 | 6.59 | 10.4 | 1302 | 3.5 | 117 | 92.6 | 99.4 | 452 | 74.2 | 1305 | 5.4 | 5.6 | 6.4 | 1119 | 4.8 | 117 | 1006.79 | 1009.8 | 2358 | 1001.2 | 1 | 3.4 |
| 17 | 7.85 | 10.3 | 1259 | 4.1 | 2029 | 94.3 | 99.0 | 2039 | 77.9 | 1414 | 7.0 | 6.2 | 7.1 | 1125 | 4.9 | 2029 | 1014.62 | 1019.7 | 2353 | 1009.6 | 53 | 2.7 |
| 18 | 7.54 | 9.8 | 1426 | 5.8 | 2359 | 97.5 | 99.3 | 2357 | 91.9 | 1346 | 7.2 | 6.2 | 6.9 | 1508 | 5.6 | 157 | 1016.91 | 1019.7 | 0 | 1014.0 | 2358 | 0.3 |
| 19 | 8.65 | 10.2 | 1140 | 5.5 | 111 | 96.7 | 99.5 | 131 | 91.3 | 1637 | 8.1 | 6.7 | 7.3 | 1420 | 5.5 | 111 | 1013.50 | 1014.3 | 1027 | 1012.5 | 2356 | 2.2 |
| 20 | 8.49 | 10.3 | 1219 | 7.1 | 2355 | 83.2 | 96.9 | 0 | 68.9 | 1221 | 5.7 | 5.7 | 7.0 | 0 | 5.1 | 1416 | 1006.78 | 1012.6 | 11 | 998.0 | 2222 | 5.3 |
| 21 | 7.60 | 9.5 | 2322 | 4.4 | 246 | 94.7 | 98.1 | 629 | 87.4 | 23 | 6.8 | 6.3 | 7.1 | 2154 | 5.0 | 146 | 990.51 | 998.6 | 19 | 986.6 | 2021 | 13.6 |
| 22 | 8.38 | 9.4 | 112 | 5.6 | 2356 | 95.9 | 97.6 | 1715 | 92.8 | 158 | 7.8 | 6.7 | 7.1 | 1254 | 5.6 | 2354 | 986.49 | 988.0 | 905 | 983.7 | 1941 | 7.1 |
| 23 | 7.09 | 9.7 | 1332 | 4.3 | 247 | 86.6 | 99.1 | 258 | 70.8 | 1459 | 4.9 | 5.5 | 6.3 | 1135 | 4.9 | 2340 | 985.12 | 988.7 | 2352 | 983.3 | 750 | 1.1 |
| 24 | 7.64 | 10.7 | 1303 | 6.1 | 755 | 78.8 | 95.3 | 2359 | 59.9 | 1307 | 4.1 | 5.2 | 6.0 | 2357 | 4.7 | 1307 | 991.77 | 993.3 | 1126 | 988.5 | 0 | 2.6 |
| 25 | 6.80 | 10.6 | 1202 | 5.3 | 2021 | 92.0 | 98.0 | 800 | 76.4 | 1229 | 5.6 | 5.7 | 6.9 | 1126 | 4.9 | 2021 | 993.64 | 999.3 | 2346 | 991.2 | 547 | 1.8 |
| 26 | 5.69 | 6.9 | 1309 | 4.5 | 808 | 88.0 | 94.3 | 4 | 76.0 | 1416 | 3.8 | 5.0 | 5.7 | 2359 | 4.7 | 1415 | 999.86 | 1002.4 | 818 | 992.7 | 2359 | 0.7 |
| 27 | 7.28 | 10.7 | 1449 | 3.6 | 2357 | 89.6 | 97.1 | 1131 | 68.6 | 1701 | 5.6 | 5.8 | 7.3 | 1231 | 4.8 | 1710 | 985.61 | 992.8 | 0 | 982.1 | 1312 | 16.1 |
| 28 | 4.18 | 9.3 | 1306 | 0.2 | 2356 | 93.0 | 100.0 | 647 | 70.6 | 1510 | 3.1 | 4.8 | 6.2 | 1104 | 3.9 | 2357 | 994.20 | 997.7 | 2339 | 989.6 | 45 | 0.1 |
| 29 | 3.51 | 6.7 | 1422 | -0.5 | 213 | 92.9 | 100.0 | 0 | 76.0 | 1526 | 2.4 | 4.6 | 5.6 | 1208 | 3.7 | 135 | 995.89 | 998.3 | 812 | 991.2 | 2359 | 0.5 |
| 30 | 7.42 | 11.4 | 1303 | 4.2 | 6 | 90.3 | 99.1 | 844 | 71.1 | 1333 | 5.9 | 5.9 | 6.9 | 1007 | 5.0 | 6 | 987.72 | 991.4 | 0 | 983.8 | 1851 | 9.4 |
| 31 | 7.49 | 10.8 | 1301 | 5.3 | 635 | 87.1 | 98.0 | 750 | 71.2 | 1540 | 5.4 | 5.6 | 6.3 | 1005 | 5.2 | 1541 | 996.73 | 1001.9 | 2331 | 988.3 | 0 | 0.4 |
| Total | | | | | | | | | | | | | | | | | | | | | | 127.5 |
| Mean | 5.20 | 8.27 | | 1.97 | | 88.9 | 97.21 | | 75.09 | | 3.45 | 5.06 | 6.05 | | 4.20 | | 1002.76 | 1007.45 | | 997.24 | | |
| Max | 10.37 | 11.89 | | 8.18 | | 98.8 | 100.00 | | 94.70 | | 8.15 | 6.77 | 7.72 | | 6.10 | | 1016.91 | 1022.77 | | 1014.00 | | |
| Min | -1.48 | 2.36 | | -6.95 | | 73.9 | 86.30 | | 52.23 | | -4.20 | 2.77 | 3.24 | | 2.08 | | 985.12 | 988.04 | | 975.89 | | |

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

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

Tmn = 00 to 24 GMT mean air temperature at 1.2 m, deg C
 RHmn = 00-24 GMT mean relative humidity at 1.2 m, percent
 Tdmn = 00-24 GMT mean dew point at 1.2 m, deg C
 rmn = 00-24 GMT mean humidity mixing ratio, g/kg
 pmn = 00-24 GMT mean air pressure reduced to mean sea level, mbar
 Time = hours and minutes in GMT of extreme values

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

Appendix 1.

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

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

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

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

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

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

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

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

Temperature: The terms cold/mild are used in the winter half year, and cool/warm in the summer half. The term 'normal' is used when the individual mean (monthly, seasonal or annual) value is within 20 % of the median of all ranked values for that month/season/year.

Mild/warm: The value lies between 10 % and 30 % below the highest value in the ranked series.

Very mild/very warm: The value lies within 10 % of the highest value in the ranked series.

Cold/cool: The value lies between 10 % and 30 % above the lowest value in the ranked series.

Very cold/very cool: The value lies within 10 % of the lowest value in the ranked series.

Sunshine: The terms for sunshine are very sunny, sunny, normal, dull and very dull.

The definition of these terms follow the same rules as for temperature.

Rainfall: The terms for rainfall are very dry, dry, normal, wet and very wet.

The definition of the term 'normal' follows the same rule as for temperature and sunshine.

Wet: The value lies between 10 % and 30% of the highest value in the ranked series.

Very wet: The value lies within 10 % of the highest value in the ranked series.

Dry: The value lies between 10 % and 30 % above the lowest value in the ranked series.

Very dry: The value lies within 10 % of the lowest value in the ranked series.

Long-term: Mention may be made in the reports to the 'long-term'. The long-term record comprises a temperature/rainfall/sunshine data series compiled from records of various weather stations in the Wokingham area in the years prior to the establishment of the weather station at Emmbrook in 1976 together with data from this station.

In the case of monthly max, min and mean temperature and of rainfall total the series starts in 1882. For temperature extremes, the highest max and lowest min go back to 1904, and lowest max and highest min to 1913.

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

Month: Calendar month.

Season: Spring, March to May.

Summer, June to August

Autumn, September to November

Winter, December to February.

When discussing 'winter', if a single year is given this refers to the year in which the January/February fall.

Annual or Year: The calendar year, 1st January to 31st December.

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

Frost: An air frost day is recorded when the minimum temperature read at 0900 GMT on that day is -0.1°C or below. A ground frost day is recorded when the grass minimum temperature read at 0900 GMT on that day is -0.1°C or lower.

Duration of air frost is defined as the number of minutes that the AWS one minute average temperature is below 0.0°C , and the day runs from midnight to midnight.

Snow: A day with snow falling is triggered if snow falls at any time in the 24 hours from midnight on that day. A day with snow lying is entered if there is at least 50% snow cover at the 0900 GMT observation.

Snow depth is the depth of undrifted snow. Snow that collects in the raingauge funnel is melted and the amount recorded as rainfall.

Hail: A day of hail is recorded if hailstones 5 mm or more in diameter are observed or recorded on the hail pad in a 24 hour period starting at midnight.

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

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

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

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

Dry spell: A dry spell is defined as a period of 5 or more consecutive dry days.

Dry day: A dry day is one with less than 0.2 mm of rainfall.

Rain day: A rain day is one with 0.2 mm or more of rainfall.

Wet day: A wet day is one having 1.0 mm or more of rainfall.

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 or 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 or 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.