

August 2023 weather summary

Wet, below normal daytime temperature but above at night. Sunshine slightly above normal

Rainfall: 69.2mm (122% of normal).

The wettest August since 2020, and the 40th wettest in 102 years.

The wettest day was 27.5mm on 2nd and the highest 24 hour fall in August since 2011 when 65.8mm fell on 18th, the highest daily total in at least the past 42 years.

The highest rainfall rate was 158mm/hr at 15:43hr on 2nd. The most rainfall in 1 hour was 13.2mm commencing at 12:45hr.

The number of rain days (0.2mm or more), were 17 (4 more than average), the highest since 2014. The number of wet days (1.0mm or more) was 10 days (1 more than normal), and the highest since 2014 (equal with 2015, 2017 and 2020).

Summer 2023

The last 3 months total, covering June to August 2023 (Summer) totals 180.3mm 113% of normal. This includes a dry June (20th driest in 102 years), followed by a wet July (15th wettest in 102 years) and August (40th wettest in 102 years). The summer of 2023 overall was the 38th wettest in 102 years.

The 12-month period (September 2022 to August 2023) now totals 841.8mm (121%).

Temperature:

The **mean maxima** were 22.0c (-0.4 below normal) but only the coolest since 2021. In the last 102 years there have been 30 warmer years. However, the mean maxima difference between June and July was 3.2c lower. This was the largest negative (cooler) change between the two summer months in 102 years.

The highest temperature recorded was 26.3c on 23rd. This was the lowest since only 2021 for August. It was one of only 3 days that reached 25c or greater.

The lowest maximum temperature was 17.5c on 8th, and this was the lowest recorded since 2021.

The Bank Holiday weekend averaged 20.0c max and ranked 27th warmest in the past 52 years.

The **mean minima** were 13.1c (+0.5c), but only the lowest since 2021, and in the last 102 years it was the 15th mildest. The 'warmest night' was the 17.2c on 11th.

The 'coldest night' was 9.0c on 30th but this was the highest for August since 2008.

The **mean temperature** 17.6c (0.1c above normal) and was the 17th mildest in the past 52 years (since 1971)

There were zero ground frosts and lowest grass minimum recorded was 5.0c (27th).

Summer 2023

The last 3 months covering the period (June, July and August), the mean maxima were 22.7c (+ 0.6c above normal), making it the 13th mildest since 2000. The mean minima was 12.8c (+0.9c above normal). This was the 4th mildest since 2000.

Sunshine: 197.0 hours (104% of normal)

Slightly sunnier than average but 2021 duller and the 14th sunniest in the past 32 years. There was 2 days that were sunless day (1 day more than normal), There were 18 days with 5 hours or more which is about normal.

The sunniest day was 11.9 hours (7th).

Summer 2023

The last 3 months covering the summer period (June, July and August) total 631.7 hours (107% of normal).

Thunder; there were 2 days with thunder heard.

Hail; there were 0 day with hail (<5mm).

Snow falling 0 days with snow falling. **Snow lying** at 0900 GMT 0 days.

Fog; at the 0900am observation there were 0 days with fog observed.

Storms

STORM Antoni 5th August – impact mainly over Southwest parts of England Wales.

STORM Betty 18th/19th August – impact mainly over Ireland and western UK.

This is the second time since storm naming was introduced in 2015 that two storms have been named in August, following Ellen and Francis in August 2020.

Wind gusts 50km/hr or more; 0 days reached these criteria.

Wind direction (at 0900am observation GMT)

N	0.0%	E	0.0%	S	3.2%	W	3.2%	Calm	0.0%
NNE	0.0%	ESE	3.2%	SSW	19.4%	WNW	9.7%		
NE	3.2%	SE	9.7%	SW	22.6%	NW	3.2%		
ENE	3.2%	SSE	3.2%	WSW	12.9%	NNW	3.2%		



Photo: 7th August looking west over Wokingham Cricket Club. Fair weather cumulus clouds with high level cirrus and cirrostratus invading the area from an approaching weather front.