

August 2022 weather summary

Dry, much warmer than normal and sunny

Rainfall: 30.5mm (54% of normal).

Overall, August was dry except for one day, 24th when 20.7mm the highest August daily total since 2020. Apart from that August will be remembered for its lack of rain days (0.2mm or more), only 5 (8 lower than average) and wet days (1.0mm or more) only 3 days (6 less than normal). Both were the lowest since 1995 which recorded a total of 3.1mm for the whole month the 2nd lowest on the 101-year record after 1940 just 3.0mm.

Thames Water introduced a hosepipe ban on the 24th August, reporting that reservoir levels in London and Farmoor (Oxfordshire) have reduced significantly to levels not seen for around 30 years. It was also the first hosepipe ban in the Thames Water region since 3rd April 2005 and before that was 1991.

The highest rainfall rate was 16mm/hr on 24th.

The longest period with no measurable rainfall was 24 days (21st July to 15th August).

The last 3 months - (June – July - August) - Summer

The 3-month period total was 70.1mm (44% of normal), making it the 9th driest in 101 years. Since 1991 there have been only 3 drier summers covering this period, 1991 (41.5mm), 2013 (62.7mm) and 2018 (56.1mm)

The monthly totals were June 30.7mm (60%) July 8.9mm (17%) and August 30.5mm (54%).

The **12-month period** (September 2021 to August 2022) provides a total of 478.9mm (69% of average). This period includes the 3rd driest November (2021), the 6th driest January (2022) 14th driest April and 4th driest July in the last 101 years.

Temperature:

The mean maxima were 26.2c (+3.8c above normal), the 2nd warmest in the last 51 years after 1995.

The highest maximum temperature was 33.7c (12th) the 5th highest temperature recorded in the last 51 years. Three other days also made it into the top 10 highest temperatures recorded in August since 1971 these were 33.4c (11th and 13th) and 33.3c on 14th.

The 7-day period 8th to 14th averaged 31.9c, making it the 3rd hottest 'week' since 1971 after 33.3 (7th to 13th 2020) and 32.7c (6th to 11th 2003).

The number of years where 30c and 32c were reached or exceeded in July for each decade was as follows;

30c or more	32c or more
Between 1971 and 1980 there was 1 year.	1 year
between 1981 and 1990 there were 1 year	1 year
between 1991 and 2000 there were 3 years	1 year

between 2001 and 2010 there were 4 years 1 year
between 2011 and 2020 there were 5 years 2 years
and now 2021 and 2022 there was 1 year. 1 year

The lowest maximum temperature was 20.1c on the 25th and the first time that the maximum temperature has not fallen below 20c on records for the last 51 years.

The Bank Holiday weekend using the maximum temperature each day averaged 24.9c, making it the 6th warmest in the past 51 years.

The mean minima were 13.8 (+1.2c above normal), and it was the 5th mildest temperature in the last 51 years (equal 2004). The highest minimum was 19.2c (24th).

The lowest minimum was 8.1c (6th).

The mean temperature was 20.0c (+2.5), equal highest with 1995 in the last 51 years.

The last 3 months - (June – July - August) - Summer

The 3-month period indicates a mean maxima of 24.6c (+2.6c), making it warmest since 2018. (24.7c).

The 3-month period indicates a mean minima of 12.7c (+0.7c), however, 2016, 2018 and 2021 had milder nights.

The lowest grass minimum recorded was 2.8c (6th).

There were 0 air and 0 ground frosts.

Sunshine: 244.8 hours (130% of normal)

The sunniest August since 1998 and the 3rd sunniest since 1991. 1995 remains the sunniest with 282 hours of bright sunshine.

The number of sunless days was zero (which is 1 day less than normal) and the first August since 2013 to record zero sunless days. There were 24 days with 5.0 hours or more (7 days more than normal) and the highest since 1995 (equal with 1998 and 2005). There were 11 days with 10.0 hours or more (5 days more than normal) and the highest since 2005.

The sunniest day was 14.1 hours (7th).

The last 3 months - (June – July - August) - Summer

The 3-month period indicates that hours of bright sunshine were 745.0 hours (127% of normal). This makes it the sunniest summer period since 2018 and the 2nd sunniest since 1991 (32 years).

Thunder; there were 1 day with thunder heard.

Hail; there was 0 day with hail.

Snow falling 0 days (normal). **Snow lying** at 0900 GMT 0 days (normal)

Fog; at the 0900am observation there were zero days with fog observed at 09:00 GMT. This is normal.

Storms

There were no named storms during the month, but the highest wind gust was 37km/hr on 7th (ENE) and 19th (WSW).

Trees and plants began to drop their leaves early in what's known as a **'false autumn'** due to the prolonged drought and intense heat.

Wind direction (at 0900am observation GMT)

N	0.0%	E	3.2%	S	12.9%	W	0.0%	Calm	3.2%
NNE	12.9%	ESE	3.2%	SSW	9.7%	WNW	3.2%		
NE	16.1%	SE	0.0%	SW	6.5%	NW	3.2%		
ENE	12.9%	SSE	3.2%	WSW	3.2%	NNW	6.5%		

This extended summary is also provided on the Winnersh Parish Council web site.



Photo: A scorched recreation ground at Sindlesham on 22nd August 2022

