



Daniel Smiley Research Center  
**MOHONK PRESERVE**  
 Mohonk Lake, New Paltz, NY 12561

Natural Science Note No. 793– 2022  
 From records of the Mohonk Lake Cooperative Weather Station  
 Established January, 1896

**Weather Summary for August, 2022**

	<b>126-year average 1896-2021</b>	<b>Actual This Year</b>	<b>Deviation from Average</b>
<b>Temperature (°F)</b>	69.2	75.7	+6.5
<b>Precipitation (in.)</b>	4.46	3.58	-0.88

Highest temperature: 95°F on the 4<sup>th</sup>  
 Lowest temperature: 54°F on the 13<sup>th</sup>

**Summary**

Temperature for August was 6.5°F above the 126-year average, marking this the warmest August on record (Table 1). Precipitation was 3.58 in., 0.88 inches below average. There were 8 recorded days of measurable precipitation (Average is 9.7).

Table 1. **Top 10 Warmest Augusts**

<b>Year</b>	<b>Temperature (°F)</b>	<b>Rank</b>
<b>2022</b>	<i>75.7</i>	<i>1</i>
2001	75.1	2
2005	74.6	3
2002	74.4	4
2021	73.9	5
2020	73.8	6
2016	73.7	7
2018	73.5	8
2003	73.1	9
1998	72.9	10

# MOHONK LAKE COOPERATIVE WEATHER STATION

## Weather Summary for the Summer Season (June, July August), 2022

	<b>126-year average 1896- 2021</b>	<b>Actual This Year</b>	<b>Deviation from Average</b>
<b>Temperature (°F)</b>	68.9	72.5	+3.6
<b>Precipitation (in.)</b>	13.14	9.36	-3.78

Highest Summer Temperature: 95°F on August 4<sup>th</sup>

Lowest Summer Temperature: 47°F on June 19<sup>th</sup>

Temperature for the Summer Season was 72.5°F, 3.6°F above the 126-year average, marking this the sixth warmest summer on record (Table 2). Precipitation was 9.36 in., 3.78 inches below average.

Table 2. **Top 10 Warmest Summer Seasons**

<b>Year</b>	<b>Temperature (°F)</b>	<b>Rank</b>
2005	74.0	1
2020	73.8	2
2002	73.1	3
1999	73.1	4
2010	72.9	5
<b>2022</b>	<b>72.5</b>	<b>6</b>
1988	72.3	7
2016	72.3	8
2021	72.2	9
2001	72.1	10

*Penny Adler-Colvin, Community Science Coordinator  
Julia Solomon, Director of Conservation Programs*