



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

**Natural Science Note No. 716-16**

From records of the Mohonk Lake Cooperative Weather Station  
 Established January, 1896

**Weather Summary for August, 2016**

	<b>120-year average 1896-2015</b>	<b>Actual This Year</b>	<b>Deviation from Average</b>
<b>Temperature (°F)</b>	69.0	73.7	+4.7
<b>Precipitation (in.)</b>	4.43	4.32	-0.11

Highest temperature: 89°F on the 12<sup>th</sup>

Lowest temperature: 57°F on the 23<sup>rd</sup>

Fog: 2 days (1<sup>st</sup> & 11<sup>th</sup>)

Thunder: 3 days (11<sup>th</sup>-12<sup>th</sup>, & 14<sup>th</sup>)

Haze: 7 days (11<sup>th</sup>, 15<sup>th</sup>-16<sup>th</sup>, 18<sup>th</sup>-19<sup>th</sup>, 26<sup>th</sup>, & 30<sup>th</sup>)

Misting: 1 days (1<sup>st</sup>)

Precipitation pH: 5.56 (n= 12)

**Summary**

*Temperature for August was 4.7°F above the 120-year average, marking this August to be the 4<sup>th</sup> warmest August on record (see Table 1). Precipitation was 4.32 in., 0.11 inches below normal. There were 10 recorded days of measurable precipitation (Average is 9.97).*

Table 1. **Top 10 Warmest Augusts**

<b>Year</b>	<b>Temperature (°F)</b>	<b>Rank</b>
2001	75.1	1
2005	74.6	2
2002	74.4	3
<b>2016</b>	<b>73.7</b>	<b>4</b>
2003	73.1	5
1998	72.9	6
1955	72.8	7
1988	72.8	8
1900	72.2	9
2012	72.2	10

# MOHONK LAKE COOPERATIVE WEATHER STATION

## Weather Summary for the Summer Season (June, July August), 2016

	<b>120-year average 1896 - 2015</b>	<b>Actual This Year</b>	<b>Deviation from Average</b>
<b>Temperature (°F)</b>	68.7	72.3	+3.6
<b>Precipitation (in.)</b>	13.14	13.50	+0.36

Highest Summer Temperature: 90°F on July 22<sup>nd</sup> – 24<sup>th</sup>

Lowest Summer Temperature: 48°F on June 9<sup>th</sup>, 10<sup>th</sup> and 14<sup>th</sup>

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Elizabeth Long, Director of Conservation Science*