



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

Natural Science Note No. 707-15

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

Weather Summary for December, 2015

	119-year average 1896-2014	Actual This Year	Deviation from Average
Temperature (°F)	28.9	42.2	+13.3
Precipitation (in.)	3.93	5.49	+1.56
Snow (in.)	11.68	1.61	-10.07

Highest temperature: 66°F on the 24th

Lowest temperature: 22°F on the 29th

Fog: 11 days (1st-2nd, 14th, 17th, 22nd-24th, 27th, 29th-31st)

Glaze: 1 day (29th)

Haze: 8 days (4th, 6th-11th, 13th)

Rime: 1 day (29th)

Misting: 4 days (14th, 27th, 29th-30th)

Solar Halo: 1 day (20th)

Precipitation pH: 5.09 (n=9)

Snow on Ground: 1 inch from the 29th to the 31st

Summary

Temperature for December was 13.3°F above the 119-year average, ranking 2015 the warmest December on record. See table on Page 2.

One daily temperature record was set on the 25th at 64°F (previous high maximum for the date was 57°F in 1940). An average Daily Temperature record was set on the 24th at 57.5°F (previous average daily temperature was 54°F in 1900).

Precipitation was 5.49 in., 1.56 inches above normal. However, December's monthly snowfall was 1.61 inches, -10.07 inches below the average. There were 13 recorded days of measurable precipitation (Average is 14.5).

With warm December temperatures, the Mohonk Lake did not freeze over at any point this month. This is was a very unusual discovery since our average date of 100% ice cover is December 28.

MOHONK LAKE COOPERATIVE WEATHER STATION

Top 10 Warmest Decembers

Year	Temperature (°F)	Rank
2015	42.2	1
2006	38.4	2
1923	37.6	3
1998	36.8	4
2001	36.7	5
2011	36.1	6
1953	35.3	7
1990	35.2	8
1982	35.1	9
1984	35.0	10

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