



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

Natural Science Note No. 697-15

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

Weather Summary for February, 2015

	119-year average 1896-2014	Actual This Year	Deviation from Average
Temperature (°F)	26.1	16.6	-9.5
Precipitation (in.)	3.34	2.51	-0.83
Snow (in.)	15.2	24.1	+8.9

Highest temperature: 38°F on the 22nd

Lowest temperature: -8°F on the 16th

Fog: 3 days (2nd, 9th, 14th)

Haze: 13 days (4th, 6th, 7th, 10th —13th, 15th—18th, 23rd, 26th)

Rime: 2 days (2nd, 9th)

Iridescent Cloud: 3 days (5th, 17th, 24th)

Precipitation pH: 4.70 (n=5)

Lake Ice: 12 ¼"-14 ¼" thick on the 10th and 17"-19" thick on the 24th

Summary

Temperature for the month was 9.5°F below average, **ranking 2015 the 6th coldest February on record** (see table). Precipitation was 0.83 inches below average. Snowfall was 8.9 inches above average. 12 days of measurable precipitation were recorded (average is 10). Two daily temperature records were set this month, with a -6°F low on the 20th, breaking the previous record of -4°F set in 1903, and a -7°F low on the 24th, breaking the previous record of -5°F set in 1907. A daily snowfall record was set on the 2nd, with a measurement of 9.6" to surpass the previous record of 8" set in 1916. Mohonk Lake remained frozen throughout the month.

Hallie E. Schwab, Citizen Science Coordinator

John E. Thompson, Director of Conservation Science

MOHONK LAKE COOPERATIVE WEATHER STATION

Top 10 Coldest Februarys 1896-2015

Year	Temperature (°F)	Rank
1934	12.8	1
1905	15.8	2
1979	16.0	3
1914	16.5	4
1907	16.6	5
2015	16.6	6
1904	17.3	7
1936	19.3	8
1978	19.4	9
1923	19.9	10

