



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

Natural Science Note No. 723-17

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

Weather Summary for February, 2017

	121-year average 1896-2016	Actual This Year	Deviation from Average
Temperature (°F)	26.0	36.0	+10.0
Precipitation (in.)	3.31	2.85	-0.46
Snow (in.)	15.09	17.60	+2.51

Highest temperature: 70°F on the 24th

Lowest temperature: 10°F on the 10th

Fog: 4 days (7th, 12th, 15th, 24th)

Thunder: 2 days (9th, 25th)

Glaze: 2 days (7th, 12th)

Haze: 2 days (15th, 23rd)

Lake Ice: 100% from the 1st through 22nd, 95% on the 23rd, 98% to 95% on the 24th, 75% on the 26th, 40% on the 28th

Snow on Ground: 4 inches from the 1st through the 7th, 1 inch on the 8th, 11 inches from the 9th through the 11th, 15 inches on the 12th, 14 inches from the 13th to the 14th, 13 inches from the 15th through the 16th, 11 inches on the 17th, 8 inches on the 18th, 6 inches from the 19th through the 22nd, 3 inches on the 23rd, trace on the 24th, 0 inches from the 25th to the 28th.

Precipitation pH: 5.04 (n= 8)

Summary

Temperature for February was 10°F above the 121-year average, marking 2017 the warmest February on record (see Table 1). There were three daily high temperature records during February 2017: on the 19th which tied with 1981 at 59°F, the 24th tied with 1985 at 70°F, the 25th set a new record at 69°F (previous record was 65°F in 1976 and 1985). Precipitation was 2.85 in., 0.46 in. below normal. Monthly snowfall was 17.60 in., 2.51 in. above normal. There were 9 recorded days of measurable precipitation (Average is 9.5).

MOHONK LAKE COOPERATIVE WEATHER STATION

Table 1. **Top 10 Warmest Februaries**

Year	Temperature (°F)	Rank
2017	36.0	1
1925	35.0	2
2012	35.0	3
2002	34.8	4
1981	33.8	5
1998	33.6	6
1954	33.3	7
1984	33.2	8
1976	32.9	9
1997	32.5	10

Weather Summary for the Winter Season (December, January, February), 2016-2017

	121-year average 1896-2016	Actual This Year	Deviation from Average
Temperature (°F)	26.6	33.0	+6.4
Precipitation (in.)	10.70	11.64	+0.94
Snow (in.)	41.62	43.20	+1.58

Highest Winter Temperature: 70°F on February 24th.

Lowest Winter Temperature: 1°F on December 16th and January 9th.

Temperature for the 2016-2017 winter season was 6.40°F above the 121-year average, **marking this the 5th warmest winter season on record** (See Table 2). Precipitation was 11.64 in., 0.94 in. above normal. The 2016-2017 winter season snowfall was 43.20 in, 1.58 inches above normal.

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

Year	Temperature (°F)	Rank
2001-2002	34.96	1
2015-2016	34.00	2
2011-2012	33.73	3
1931-1932	33.53	4
2016-2017	33.00	5
1997-1998	32.33	6
1948-1949	31.50	7
1990-1991	31.33	8
1998-1999	31.10	9
1932-1933	30.97	10

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