

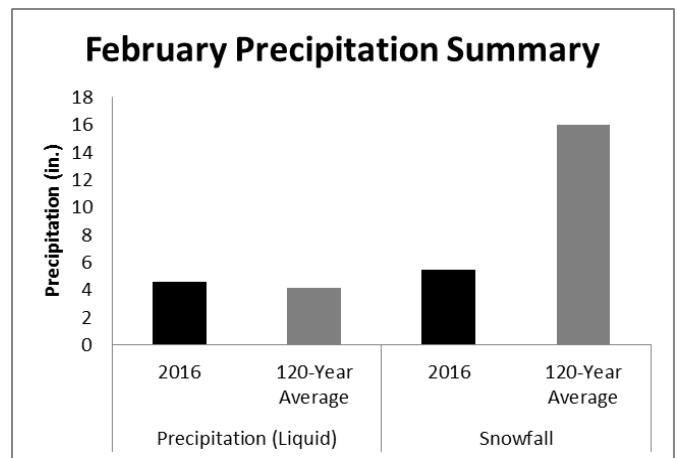
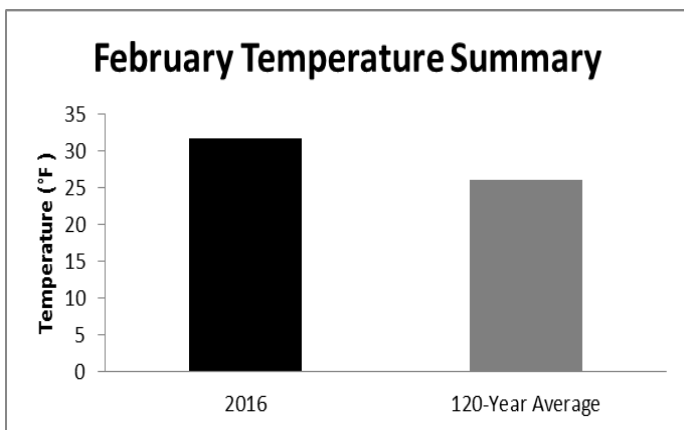


Daniel Smiley Research Center
MOHONK PRESERVE
 Mohonk Lake, New Paltz, NY 12561

Natural Science Note No. 710-16
 From records of the Mohonk Lake Cooperative Weather Station
 Established January, 1896

Weather Summary for February, 2016

	120-year average 1896-2015	Actual This Year	Deviation from Average
Temperature (°F)	26.0	31.8	+5.8
Precipitation (in.)	3.30	4.56	+1.26
Snow (in.)	15.17	5.50	-9.67

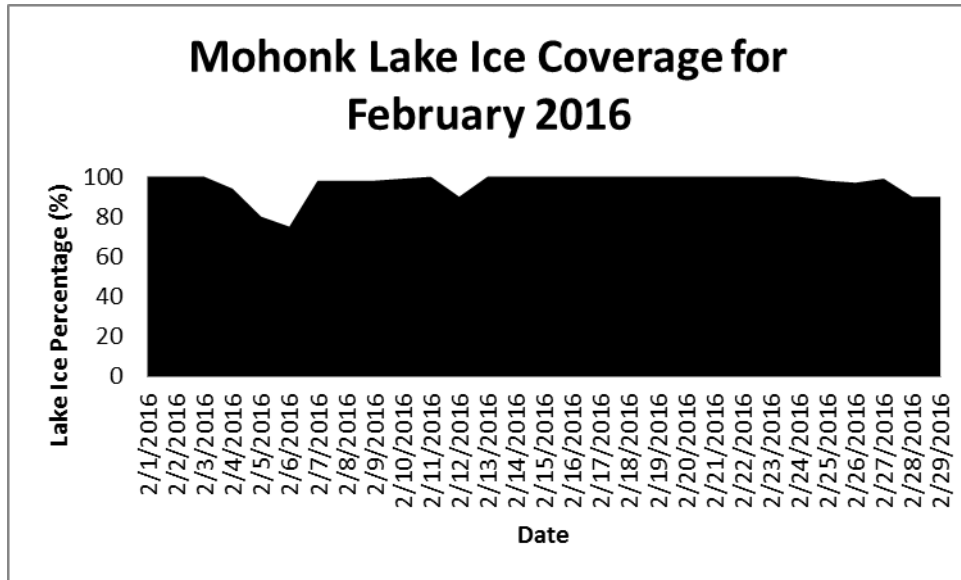


Highest temperature: 58°F on the 25th
 Lowest temperature: -9°F on the 14th

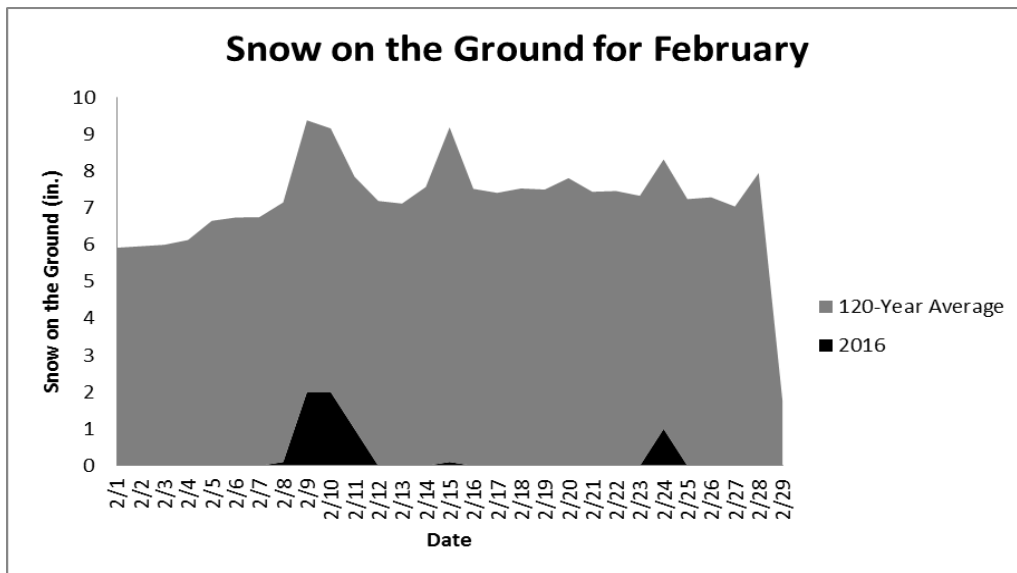
Fog: 4 days (3rd-4th, 16th, & 24th)
 Thunder: 1 day (24th)
 Ice Pellets: 1 day (24th)
 Glaze: 2 days (15th-16th)
 Haze: 1 day (20th)
 Sun Dog: 1 day (22nd at 4:25 PM)

Lake Ice: 100% from the beginning of the month through the 3rd, 94% on the 4th, 80% on the 5th, 75% on the 6th, 98% from the 7th-9th, 99% on the 10th, 100% on the 11th, 90% on the 12th, 100% from the 13th-24th, 98% on the 25th, 97% on the 26th, 99% on the 27th, 90% from the 28th through the end of the month.

MOHONK LAKE COOPERATIVE WEATHER STATION



Snow on Ground: T on the 8th, 2 inches from the 9th-10th, 1 inch on the 11th, 0 inches from the 12th-14th, T on the 15th, 0 inches from the 16th-23rd, 1 in on the 23rd, and 0 inches from the 25th to the end of the month.



Precipitation pH: 5.22 (n= 7)

Summary

Temperature for February was 5.8°F above the 120-year average, **marking this February the 12th warmest February on record** (See Table 1). Precipitation was 4.56 in., 1.26 inches above normal. Monthly snowfall was 5.50 in., 9.67 in. below normal. **2016 was the 14th least snowy February on record** (See Table 2). There were 7 recorded days of measurable precipitation (Average is 9.5).



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Table 1. Top 15 Warmest Februarys

Year	Temperature (°F)	Rank
1925	35.0	1
2012	35.0	2
2002	34.8	3
1981	33.8	4
1998	33.6	5
1954	33.3	6
1984	33.2	7
1976	32.9	8
1997	32.5	9
1949	32.3	10
1991	32.3	11
2016	31.8	12
1990	31.7	13
1953	31.3	14
1999	31.1	15

Table 2. Top 15 Least Snowy Februarys

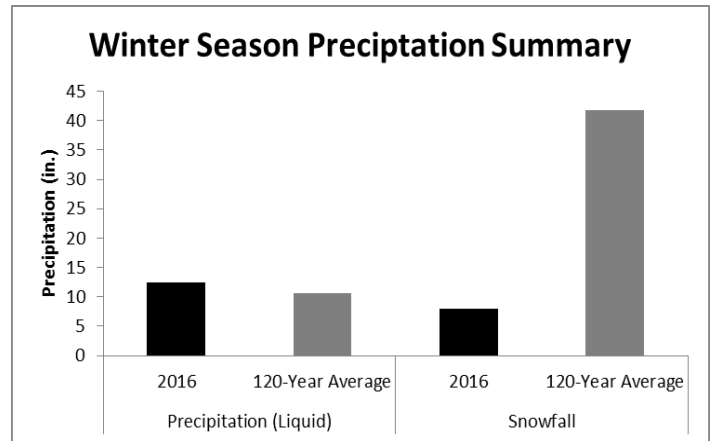
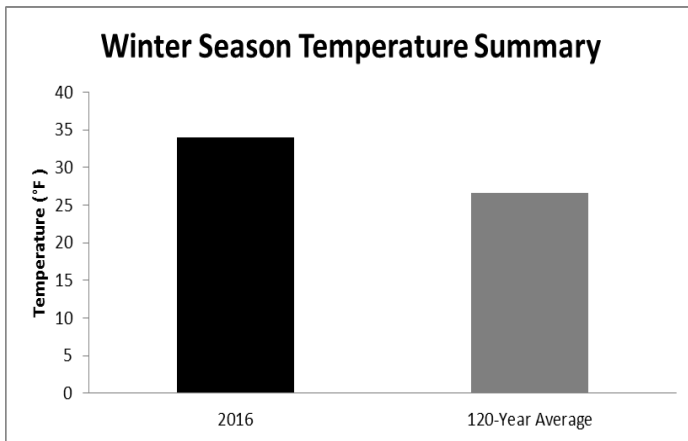
Year	Snowfall (in.)	Rank
1912	0	1
1968	0.8	2
1941	1.5	3
1937	2.8	4
1915	3	5
1959	3	6
1987	3.3	7
1909	3.4	8
1981	3.6	9
1900	4	10
1938	5	11
1989	5	12
1957	5.1	13
2016	5.5	14
1942	5.6	15



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Weather Summary for the Winter Season (December, January, February), 2015-2016

	120-year average 1896-2015	Actual This Year	Deviation from Average
Temperature (°F)	26.6	34.0	+7.40
Precipitation (in.)	10.7	12.39	+1.69
Snow (in.)	41.93	7.91	-34.02



Highest Winter Temperature: 66°F on December 24th

Lowest Winter Temperature: -9°F on February 14th

Summary

Temperature for the 2015-2016 winter season was 7.40°F above the 120-year average, *marking this the 2nd warmest winter season on record* (See Table 3). Precipitation was 12.39 in., 1.69 in. above normal. The 2015-2016 winter season snowfall was 7.91 in, 34.02 inches below normal. *The 2015-2016 winter season was the least snowy winter season on record* (See Table 4).

Table 3. Top 10 Warmest Winter Seasons

Year	Temperature (°F)	Rank
2001-2002	34.96	1
2015-2016	34.0	2
2011-2012	33.73	3
1931-1932	33.53	4
1997-1998	32.33	5
1948-1949	31.5	6
1990-1991	31.33	7
1998-1999	31.1	8
1932-1933	30.97	9
1952-1953	30.83	10

Table 4. Top 10 Least Snowy Winter Seasons

Year	Snowfall (in.)	Rank
2015-2016	7.91	1
1988-1989	9.9	2
1954-1955	13.9	3
1912-1913	14	4
1905-1906	16.5	5
1958-1959	16.7	6
1899-1900	16.75	7
1911-1912	17	8
1923-1924	17.4	9
1979-1980	18.4	10

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