

# 2010 WEATHER SUMMARY

## January

After a cold start in most of the Northeast, temperatures during the second half of January moderated, yielding a monthly average that was 1.9 degrees F above normal. Precipitation totals averaged below normal. The average of 2.85 inches was 85% of the normal January amount.

## February

The colder than normal conditions experienced at the end of January continued during the first week of February, however, temperatures moderated during the rest of the month, yielding a state average of 24.0 degrees. This was 1.2 degrees above normal. Precipitation totals were quite variable throughout the state – the Coastal division saw its 4<sup>th</sup> wettest February in 116 years while the Mohawk Valley saw its 9<sup>th</sup> driest. Overall, the state totaled 2.78 inches, which was 115% of normal.

## March

With an average temperature of 38.3 degrees, March 2010 became the 6<sup>th</sup> warmest in New York since 1895. It was 6.3 degrees warmer than normal. For the second month in a row, precipitation totals averaged above normal, but were quite variable. The St. Lawrence Valley saw its 17<sup>th</sup> driest March in 116 years while the Coastal division saw its wettest. The state totaled 3.70 inches, which was 118% of normal. Departures ranged from 54% of normal in the St. Lawrence Valley, to 252% of normal in the Coastal climate division.

## April

April was the fourth consecutive month with an average temperature that was above normal and the second month in a row that the average temperature was ranked among the top ten warmest since 1895. April was the 2<sup>nd</sup> warmest in 116 years, with a monthly average of 49.6 degrees. This was 6.1 degrees above normal. The state's precipitation total was 2.08 inches, which was 61 percent of normal. It was New York's 15<sup>th</sup> driest April since recordkeeping began in 1895 and the driest April since 2001. Two months of below normal precipitation in western portions of the state have led to drought concerns as the growing season begins.

## May

May was the fifth consecutive month with above normal temperatures. The monthly average was 3.98 degrees above normal. Precipitation totals were below normal. The state averaged 2.62 inches, or 71% of the normal precipitation amount.

## June

Temperatures averaged above normal in June, making this month the sixth in a row with warmer than normal readings. The state averaged 65.7 degrees, which was 1.8

degrees above average. New York averaged above normal rainfall in June. The state total of 5.40 inches was 135% of normal. It was the wettest June since 2006 and the 12<sup>th</sup> wettest since 1895.

## July

July was the sixth warmest July since 1895 and the seventh consecutive month to average warmer than normal. New York's average temperature was 71.9 degrees, which was 3.2 degrees above normal. New temperature records were set during a heat wave in early July that pushed the mercury into the upper 90's and low 100's. Rainfall averaged just above normal. The state average was 4.04 inches, which was 106% of normal. The big weather story this month was the heat wave from July 4<sup>th</sup> to July 9<sup>th</sup>. Severe storms, packing strong winds and heavy rain, impacted the state from the 21<sup>st</sup> to the 25<sup>th</sup>. Four tornados were confirmed on the 24<sup>th</sup> and 25<sup>th</sup>.

## August

While August was not as steamy as July, the run of above normal temperatures that began in January continued. With an average temperature of 68.8 degrees, this month was 2.0 degrees above normal. Rainfall totals were above normal for the third month in a row. The state averaged 4.52 inches, which was 177% of the normal amount. Drenching rain on the 22<sup>nd</sup> and 23<sup>rd</sup> contributed to monthly totals of 5 inches or more in many locations.

## September

September temperatures averaged 2.5 degrees warmer than normal continuing the trend that began in January 2010. The average was 61.4 degrees. Rainfall totals averaged below normal. On average, the state received 3.11 inches or 75% of the normal rainfall amount.

## October

October was the tenth month in a row with above normal temperatures. The state's average temperature of 49.0 degrees was 1.2 degrees above normal. Rainfall totals averaged 6.97 inches, which was 200% of normal. It was the wettest October since 2004 and the 4<sup>th</sup> wettest October in 116 years.

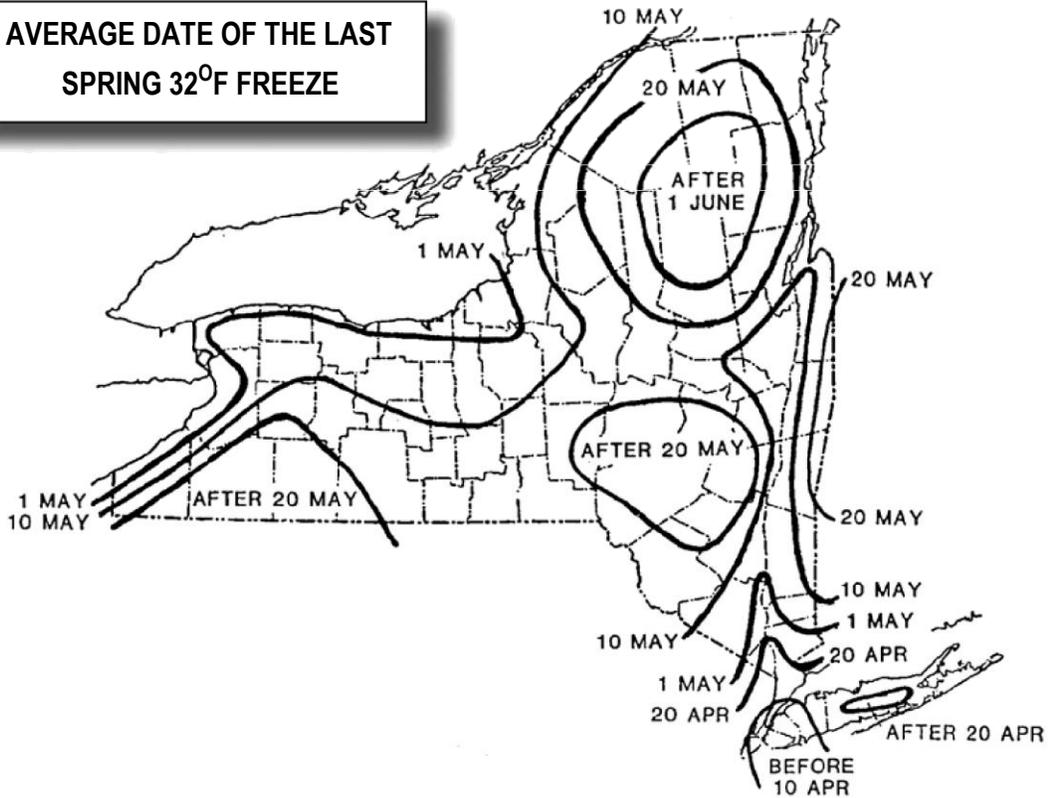
## November

November was the 11<sup>th</sup> consecutive month with above normal temperatures. The monthly average temperature of 38.2 degrees was 0.6 degrees above normal. Precipitation totals were below normal. New York's total was 2.91 inches, which was 78% of normal.

## December

The 11-month string of above normal temperatures was broken in December. New York's average this month was 23.5 degrees which was 3.0 degrees below normal. Precipitation totals were variable through the state, but overall, averaged 3.25 inches, which was 100% of normal.

**AVERAGE DATE OF THE LAST  
SPRING 32°F FREEZE**



**AVERAGE DATE OF THE FIRST  
AUTUMN 32°F FREEZE**

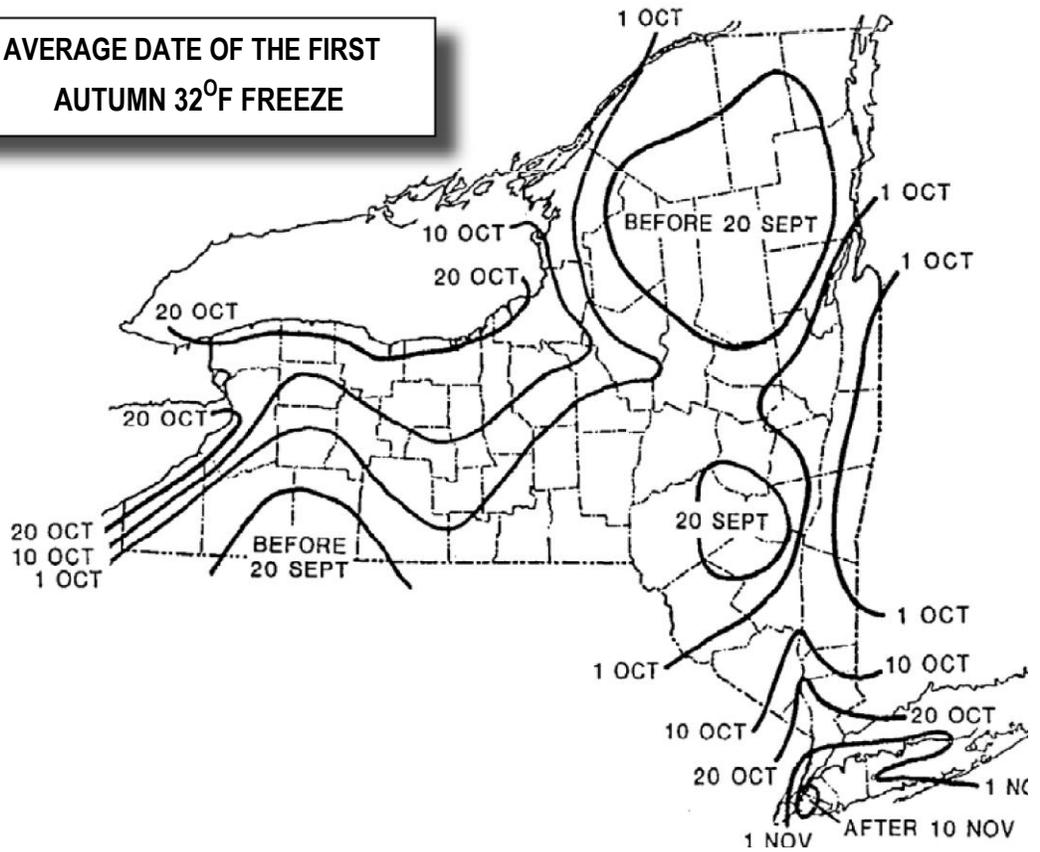


Table 87. **TEMPERATURE:** Normals by Months at New York Selected Stations

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	<i>Degrees F.</i>												
Albany	20.7	23.5	34.2	46.4	57.6	66.7	71.8	69.4	61.2	50.2	39.6	26.6	47.3
Batavia	23.5	24.6	34.5	46.0	57.4	66.4	70.7	68.5	62.1	51.4	40.6	28.8	47.8
Binghamton	21.2	22.8	32.5	44.2	55.8	64.0	69.1	67.1	59.5	48.7	38.3	26.6	45.9
Bridgehampton	30.0	31.1	38.1	46.6	56.1	65.5	71.4	70.9	64.0	54.0	45.0	35.1	50.5
Buffalo	23.7	24.6	33.8	45.1	56.5	65.8	71.1	68.9	61.9	51.1	40.5	29.1	47.7
Canton	14.9	16.5	28.8	42.1	54.1	63.1	68.2	65.8	58.1	46.8	36.0	21.0	43.0
Chazy	16.2	18.1	29.7	43.0	55.4	64.4	69.1	66.6	58.3	47.5	36.1	22.3	43.9
Cooperstown	20.5	22.3	32.2	43.3	54.9	63.1	67.6	66.2	58.8	48.4	37.9	25.9	45.0
Dansville	23.9	25.0	34.3	45.3	56.5	65.5	70.2	68.4	61.3	50.7	40.8	29.7	47.7
Elmira	22.8	24.1	34.0	45.0	55.8	64.6	69.6	67.6	60.3	48.9	39.6	28.4	46.8
Fredonia	25.0	25.7	35.2	46.0	57.2	66.4	70.9	69.1	63.1	52.9	42.3	30.9	48.7
Geneva	22.5	23.4	33.1	44.8	55.9	65.1	70.3	68.5	61.2	50.2	39.9	28.0	46.9
Glens Falls	18.9	21.7	32.5	45.0	56.8	65.1	70.0	67.6	59.7	48.7	37.4	24.3	45.7
Gloversville	18.1	19.9	30.9	43.9	55.6	64.4	69.1	66.9	58.6	47.8	36.5	24.3	44.6
Ithaca	21.6	22.6	32.9	43.9	54.9	63.9	68.5	66.7	59.7	48.9	39.2	27.7	45.9
Liberty	20.5	22.6	32.2	43.7	54.5	62.8	67.6	65.8	58.3	47.7	37.6	25.7	45.0
Little Valley	20.8	21.6	31.3	42.4	53.1	62.1	66.6	64.9	58.3	47.8	37.8	26.8	44.4
Lowville	15.6	17.4	28.9	41.9	53.8	62.8	67.5	65.3	57.2	46.6	35.2	22.3	42.8
Massena	14.4	16.5	28.4	47.6	55.0	63.9	69.1	66.4	57.9	46.9	35.2	20.3	43.0
New York City	31.5	33.1	41.4	51.4	61.7	71.1	76.3	75.4	68.2	57.4	47.3	36.5	54.1
Riverhead	30.6	31.6	39.6	48.6	59.2	68.4	73.4	72.5	65.8	55.6	45.9	35.6	52.2
Rochester	23.7	24.6	34.2	45.9	57.0	64.9	70.2	68.0	61.7	51.1	40.5	29.1	47.5
Syracuse	22.5	24.1	33.8	45.7	57.0	65.3	70.3	68.4	61.3	50.5	40.5	28.4	47.3
Utica	20.1	21.9	32.2	44.6	56.3	64.8	70.2	68.2	60.3	49.1	38.5	25.9	45.9
Watertown	18.1	19.4	31.1	43.7	55.8	64.8	70.3	68.4	60.3	48.7	38.1	24.4	45.1

Table 88. **PRECIPITATION:** Normals by Months at New York Selected Stations

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	<i>Inches</i>												
Albany	2.4	2.3	2.9	3.0	3.4	3.6	3.2	3.5	2.9	2.8	3.2	2.9	36.2
Batavia	1.6	1.8	2.0	3.1	3.3	3.8	3.0	3.8	3.6	3.0	3.0	2.5	34.5
Binghamton	2.4	2.3	2.8	3.1	3.4	3.6	3.5	3.4	3.3	2.9	3.3	3.0	37.0
Bridgehampton	4.2	3.8	4.1	4.0	3.8	3.6	3.0	3.4	3.5	3.4	4.5	4.3	45.7
Buffalo	2.7	2.3	2.7	2.9	3.1	3.5	3.1	4.2	3.5	3.1	3.8	3.7	38.6
Canton	1.9	1.9	2.1	2.8	3.0	3.3	3.4	4.2	3.8	3.2	3.4	2.8	35.8
Chazy	1.5	1.6	1.8	2.6	3.0	3.0	3.4	4.1	3.1	2.9	2.8	2.4	32.1
Cooperstown	2.4	2.2	3.0	3.3	3.6	4.2	3.5	3.5	3.7	3.0	3.4	3.1	39.0
Dansville	1.4	1.5	1.8	2.8	2.9	3.8	3.0	3.2	3.4	2.6	2.7	2.1	31.2
Elmira	1.8	2.0	2.3	2.7	3.2	3.8	3.4	3.0	3.1	2.8	2.9	2.3	33.3
Fredonia	2.3	2.1	2.6	3.2	3.1	3.7	3.6	4.0	4.6	3.9	4.2	3.4	40.7
Geneva	1.8	1.8	2.1	2.9	3.0	3.7	2.9	3.1	3.2	2.9	3.1	2.5	32.9
Glens Falls	2.7	2.6	3.4	3.7	4.4	3.9	3.7	4.3	3.8	3.4	4.0	3.5	43.4
Gloversville	2.8	2.6	3.3	3.5	4.0	4.0	3.7	3.9	3.8	3.3	3.8	3.5	42.4
Ithaca	1.8	2.0	2.3	2.9	3.3	3.8	3.4	3.4	3.5	3.2	3.1	2.6	35.4
Liberty	3.4	3.3	3.5	4.4	4.6	4.6	4.3	4.4	3.9	3.7	4.3	4.0	48.3
Little Valley	3.4	3.1	3.5	3.8	3.9	4.5	4.0	4.5	4.7	4.1	4.8	4.7	49.1
Lowville	3.0	2.5	2.8	3.1	3.0	3.5	3.3	3.8	3.8	3.4	4.1	3.7	40.1
Massena	2.1	2.0	2.1	2.6	2.5	3.1	3.2	3.7	3.5	2.8	3.1	3.2	34.1
New York City	3.0	2.9	3.6	3.8	3.8	3.6	4.1	3.7	3.4	3.0	3.8	3.4	42.1
Riverhead	4.0	3.6	3.9	4.1	3.8	3.7	3.3	3.8	3.2	3.5	4.3	4.1	45.3
Rochester	2.1	2.1	2.3	2.6	2.7	3.0	2.7	3.4	3.0	2.4	2.9	2.7	32.0
Syracuse	2.3	2.1	2.8	3.3	3.3	3.8	3.8	3.5	3.8	3.2	3.7	3.2	38.9
Utica	3.5	3.0	3.4	3.6	3.7	4.1	3.8	3.8	4.3	3.4	4.3	4.2	45.1
Watertown	3.3	2.4	2.6	2.9	3.2	3.4	2.8	4.1	4.2	3.7	4.4	4.0	40.9

Table 89. **TEMPERATURE:** Monthly Average Temperatures at New York Selected Stations, 2010

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Albany	24.4	28.0	41.7	51.9	61.2	67.6	74.9	72.0	64.6	50.3	39.6	25.9
Batavia	22.7	23.9	38.8	52.8	60.3	66.8	73.5	70.6	62.5	50.8	40.1	24.4
Binghamton	22.3	24.3	40.0	51.2	59.7	65.7	72.3	69.3	61.6	49.0	39.1	23.0
Bridgehampton	30.8	31.8	43.8	52.3	60.4	70.1	76.3	72.8	67.5	55.8	45.9	32.8
Buffalo	23.2	24.6	38.1	51.1	60.2	67.0	73.5	71.7	62.6	50.9	41.5	26.2
Canton	19.1	21.4	36.5	48.8	59.2	64.4	1/	68.4	1/	46.9	36.9	21.7
Chazy	21.6	24.6	37.1	48.8	59.2	64.7	73.0	67.9	61.8	47.5	36.8	22.7
Cooperstown	19.1	23.3	37.3	48.7	59.7	66.2	72.2	68.0	61.0	47.5	37.6	22.2
Dansville	24.2	25.9	39.0	51.5	61.1	68.3	74.3	70.9	61.9	50.5	40.3	27.1
Elmira	23.5	25.4	38.5	50.3	59.1	66.8	72.1	69.5	61.3	48.5	37.9	24.7
Fredonia	25.3	25.4	38.6	52.7	60.6	68.2	73.9	73.0	66.6	53.4	42.4	27.5
Geneva	23.9	24.6	38.9	51.1	60.4	67.8	73.0	70.0	61.7	50.5	39.4	24.7
Glens Falls	21.6	26.1	39.6	49.1	58.7	64.6	71.5	68.7	60.2	47.3	37.4	24.2
Ithaca	22.6	23.9	37.1	49.3	59.2	66.2	71.5	69.0	61.1	49.0	38.8	24.5
Little Valley	20.3	20.7	35.3	47.4	56.6	64.9	69.4	1/	59.4	48.4	36.9	20.7
Lowville	18.0	19.9	36.4	47.2	56.9	63.7	69.6	66.4	59.2	46.6	35.0	21.3
New York City	30.5	33.1	48.2	57.9	65.3	74.7	81.3	77.4	71.1	58.1	47.9	32.8
Riverhead	30.3	32.3	45.5	58.4	63.4	72.4	78.5	75.2	69.7	57.7	47.2	33.1
Rochester	24.2	25.5	39.9	52.4	60.5	66.8	73.6	71.0	61.9	50.7	39.9	26.2
Syracuse	23.2	25.9	41.1	52.4	61.1	67.5	74.5	71.4	63.1	51.3	40.8	25.5
Watertown	20.4	20.0	37.3	50.0	60.2	65.9	73.2	70.2	62.3	49.5	38.3	22.8

Table 90. **PRECIPITATION:** Monthly Average Precipitation at New York Selected Stations, 2010

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Albany	1.75	3.99	2.69	1.25	1.88	4.69	2.88	1.69	3.44	7.10	3.53	2.95
Batavia	1/	1.39	2.80	1.82	2.00	6.00	4.00	3.90	2.86	3.54	2.57	1/
Binghamton	3.04	1.45	2.93	2.26	2.63	5.02	3.00	3.84	1/	3.72	3.14	2.04
Bridgehampton	2.40	6.29	13.25	2.27	2.97	0.95	2.91	1.39	5.20	3.88	2.30	2.22
Buffalo	3.19	1.60	1.70	2.07	2.84	8.13	3.17	1.84	4.51	3.06	3.55	2.72
Canton	1.53	0.83	1.12	1.99	1.60	6.66	1/	1/	2.65	8.54	2.23	2.66
Chazy	1/	1/	1/	1/	1/	1/	1/	5.44	7.83	1/	1/	1/
Cooperstown	1/	5.23	4.38	1/	1.78	1/	1/	5.62	7.83	1/	3.13	5.36
Dansville	1/	1.71	2.16	1.39	2.28	6.07	3.97	4.68	2.15	3.88	1.83	2.63
Elmira	2.79	2.00	2.96	2.13	2.83	4.46	3.10	1.66	1/	2.44	2.32	1/
Fredonia	1.92	2.14	1.55	2.10	3.10	4.10	4.01	5.23	2.65	4.15	4.23	1.77
Geneva	1/	1/	2.13	1.85	2.55	1/	1/	1/	2.74	6.35	1.46	2.35
Glens Falls	1.73	2.18	3.45	1.55	2.09	3.60	3.08	3.29	1/	6.20	3.16	1/
Ithaca	2.65	3.02	2.79	2.28	2.39	3.64	3.22	4.23	2.28	7.02	2.09	1/
Little Valley	4.43	3.04	1.43	2.66	2.76	4.63	5.31	2.73	2.84	1/	2.42	7.44
Lowville	2.73	1.73	1.50	1.06	2.21	6.26	4.12	6.09	2.35	8.80	2.30	2.81
New York City	2.00	6.69	10.69	2.99	3.01	2.20	2.60	4.14	3.67	4.91	2.15	4.24
Riverhead	2.07	5.32	13.39	2.55	3.16	1.63	3.63	2.02	2.87	3.32	2.89	3.63
Rochester	2.24	2.40	2.09	1.56	2.55	5.94	5.70	2.68	3.36	3.30	3.01	2.64
Syracuse	1.27	2.02	2.39	0.84	2.21	6.57	4.28	6.36	5.26	4.11	2.93	1/
Watertown	2.00	1.10	1.59	1.65	2.48	6.35	5.73	2.65	4.41	8.70	3.34	3.87

1/ Data Not Available

Table 91. **GROWING DEGREE DAYS:** New York Selected Stations, April-October, 2010 <sup>1/</sup>

Station	Apr.	May	June	July	Aug.	Sept.	Oct.	Season Total
Albany	101	386	536	778	689	448	87	3029
Batavia	154	371	510	738	644	381	88	2/
Binghamton	124	357	478	701	605	356	72	2697
Bridgehamton	90	342	610	823	715	531	195	3349
Buffalo	103	360	516	737	683	383	91	2873
Dansville	126	368	555	763	656	366	78	2/
Delhi	27	273	421	618	530	323	80	2315
Elmira	103	326	512	693	630	347	59	2/
Fredonia	166	363	554	749	718	447	139	3172
Ithaca	101	338	493	675	600	340	73	2620
Little Valley	77	277	455	611	2/	2/	2/	2/
Lowville	63	274	419	614	515	287	47	2219
New York City	245	488	746	981	857	639	258	4282
Riverhead	262	425	680	892	789	600	249	3819
Rochester	137	368	510	739	659	364	81	2861
Syracuse	114	386	531	766	669	398	89	2956
Watertown	99	356	481	727	633	377	72	2755

<sup>1/</sup> One growing degree day is accumulated for each whole degree that the daily mean temperature is above 50 degrees Fahrenheit.

<sup>2/</sup> Data not available.