

2001 WEATHER SUMMARY

JANUARY temperatures averaged 2.9 degrees warmer than normal. Precipitation totals averaged quite a bit below normal. This made it the driest January since 1988 and the 9th driest in the last 107 years.

For the fifth time in the last six years, **FEBRUARY** temperatures averaged warmer than normal. The average temperature was 3.2 degrees warmer than normal. The lowest was -20 degrees at Highmarket on the 12th. In western New York, temperatures in the 60's were recorded on the 10th and 25th. The state averaged 88% of the normal precipitation. The greatest snowfall total this month was 48.8 inches at Hooker.

MARCH was the coolest in New York State since 1996. The average temperature of 28.3 degrees was 3.5 degrees cooler than normal. March 2001 was an exceptionally wet month. With a state average of 5.07 inches, this month trailed only 1913 with 5.62 inches and 1936 with 5.46 inches on the list of wettest Marches on record. The state overall averaged 177% of normal. The greatest snowfall total in the state this month was 76.8 inches at Hooker. The state averaged 39 inches of snow.

APRIL was warmer than normal throughout most of New York State. The western part of the state was particularly warm. Overall, the state averaged 1.4 degrees warmer than normal for the warmest April since 1998. This month was the driest April on record for New York State. The state averaged just 1.18 inches of precipitation, which represented only 36% of normal. The old record was 1.21 inches set in 1896.

MAY was the fourth warmer-than-normal month in 2001. The only month that was cooler than normal so far this year was March. Overall, the state averaged 2.6 degrees warmer than normal. Oceanside reached 94 degrees and Stormville reported a high of 95 degrees. The month's lowest temperature was 22 degrees at Big Moose, Piseco and Ray Brook. Precipitation was much closer to normal. The state averaged 83% of normal for the month.

Temperatures in **JUNE** averaged 1.9 degrees warmer than normal. This was the fifth warmer-than-normal month in 2001. Most places saw the mercury top the 90 degree mark during the latter half of the month. Precipitation averaged 4.24 inches which was 110% of normal.

JULY was the third coolest July since 1976 and the 11th coolest July on record. The month averaged 2.1 degrees cooler than normal. The State only averaged 66% of the

normal monthly precipitation amount. It was the eighth driest July on record and the driest since 1983.

AUGUST brought record-breaking heat to New York. The month was the 5th warmest August on record and the warmest since 1959. Average temperature was 4.2 degrees warmer than normal. August marked a continuation of the dry weather pattern that has persisted for the past few months. The state averaged 3.01 inches of rain, which was 77% of normal. The Palmer Drought severity index (*long-term*) indicated severe drought conditions across the Great Lakes Climate Division at the end of the month. Other areas were classified as experiencing moderate drought.

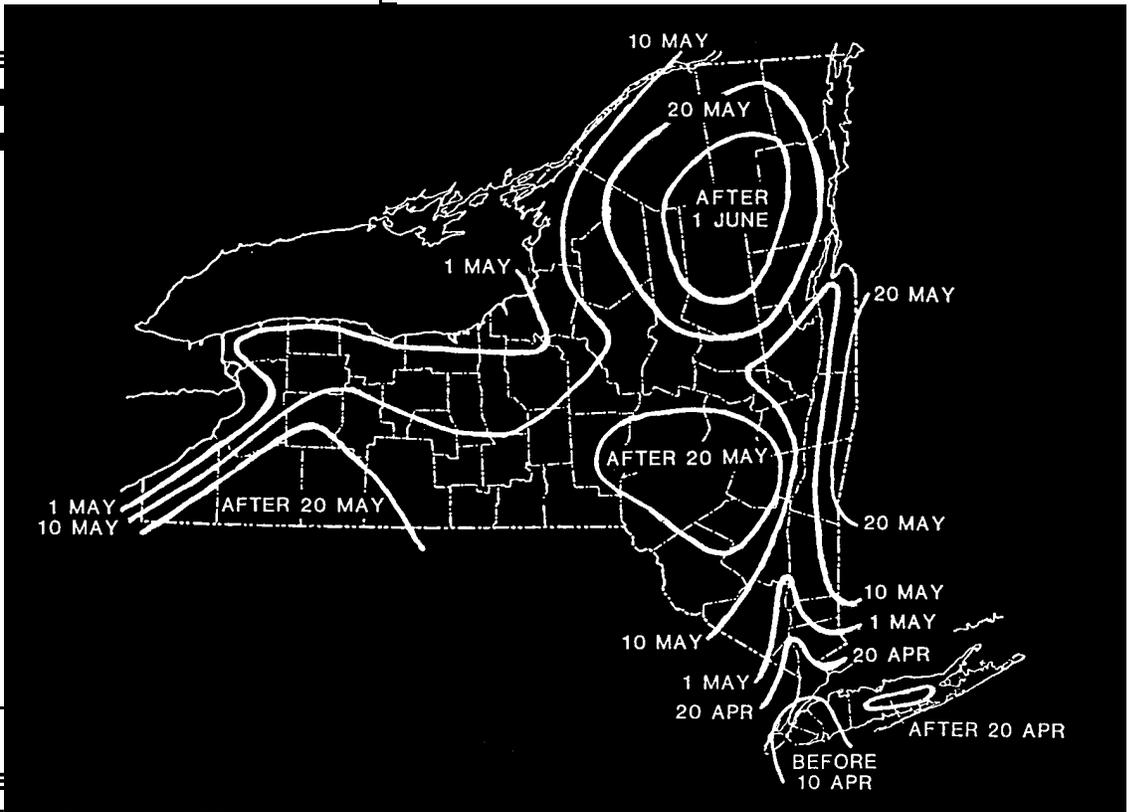
Temperatures during **SEPTEMBER** averaged 0.9 degrees warmer than normal. September brought some relief from the dry conditions the state has been experiencing. Overall, the state received an average of 113% of the normal monthly precipitation amount.

Temperatures during the month of **OCTOBER** averaged 2.5 degrees warmer than normal. This was the state's warmest October since 1995 and 25th warmest in 107 years of record. The state recorded 72% of normal precipitation. This October was the 33rd driest on record.

New York had its third warmest **NOVEMBER** in 107 years of record. Only the November of 1931 and 1948 were warmer. Temperature for the month averaged above the long-term normal. This month was the second driest November since 1978 in New York State with only 59% of the normal precipitation. November was also noteworthy for its lack of snowfall. Buffalo recorded its first snow-free November in 122 years of record.

DECEMBER 2001 was the warmest December on record for New York State. The December 2001 average of 33.8 degrees was 8.3 degrees warmer than normal and exceeded the previous record of 33.7 degrees set in 1923. Precipitation averaged 84% of normal. A massive lake-effect snowstorm battered the Lake Erie and Lake Ontario snowbelts from December 24 through January 1. Total snowfall from this storm was 81.6 inches in Buffalo and 127 inches at Montague (*Tug Hill Plateau*). Buffalo's total monthly snowfall of 82.7 inches is a new record for any month, smashing their previous record of 68.4 inches in December 1985. Apart from the areas experiencing the heavy lake-effect snow, snowfall amounts were generally below December normals.

**AVERAGE
SPRING**



**AVERAGE
AUTUMN 32°F FREEZE**

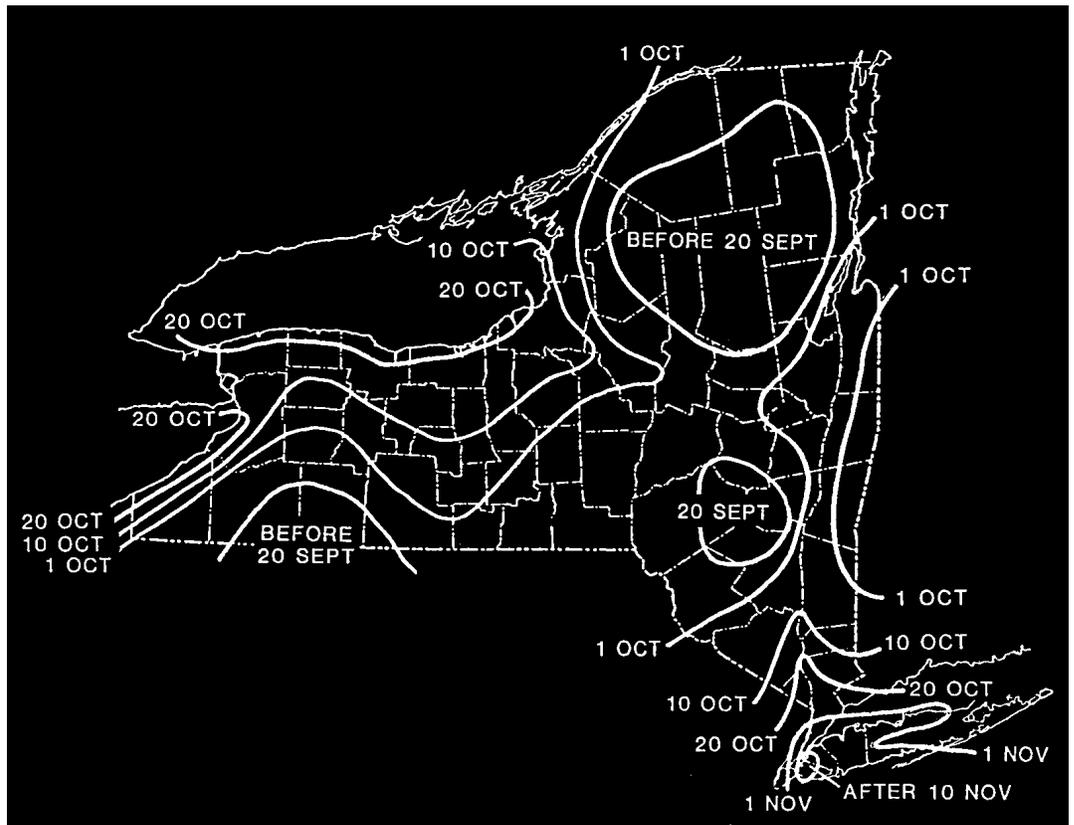


Table 80. **TEMPERATURE:** Normals by Months at Selected Stations

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 81. **PRECIPITATION:** Normals by Months at 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 82. **TEMPERATURE:** Monthly Average Temperatures at Selected Stations, 2001

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	<i>Degrees F.</i>											
Albany	24.6	26.9	30.9	47.4	58.9	68.4	68.9	73.7	62.4	51.9	44.8	34.2
Batavia	27.7	29.4	30.6	49.3	60.7	67.9	69.4	73.2	62.9	53.9	48.7	36.6
Binghamton	24.2	25.8	28.2	46.0	56.8	65.0	65.5	70.7	58.2	49.9	44.3	33.5
Bridgehamton	29.3	32.6	36.4	47.2	58.1	68.4	67.8	73.7	63.5	54.3	48.2	41.4
Buffalo	27.0	28.2	31.1	47.3	58.8	67.0	69.8	73.0	62.7	53.0	46.9	35.9
Canton	17.2	19.6	25.9	43.7	58.5	65.4	67.2	71.5	61.0	51.1	42.0	31.9
Chazy	17.1	18.9	27.0	44.1	59.2	66.8	67.8	71.6	61.2	51.7	42.0	32.7
Coopertown	23.2	24.1	26.5	43.5	57.5	64.6	64.9	70.3	58.6	49.5	42.6	33.4
Dansville	26.9	29.0	30.7	47.6	59.2	66.7	68.5	72.8	61.5	52.4	46.7	36.8
Elmira	1/	28.3	29.9	46.1	57.8	65.7	67.7	71.3	59.4	50.0	43.8	35.4
Fredonia	27.7	30.2	33.2	50.8	61.7	68.1	70.5	72.8	63.3	55.5	50.8	38.8
Geneva	25.0	27.5	28.8	46.1	59.0	66.2	68.2	72.3	61.4	51.8	45.7	36.2
Glens Falls	1/	23.9	29.4	45.2	57.6	66.5	66.3	69.8	57.9	48.0	40.5	31.1
Gloversville	21.4	22.7	27.3	43.9	57.6	65.7	66.0	70.4	59.0	49.1	1/	32.1
Ithaca	24.4	26.6	28.2	45.6	58.6	65.3	66.9	70.7	59.8	51.5	45.1	35.5
Liberty	22.7	24.1	28.1	44.5	55.3	63.7	64.3	68.4	58.2	49.1	41.3	32.8
Little Valley	22.0	24.8	26.3	44.2	54.2	61.9	63.8	66.8	56.6	48.2	43.9	32.4
Lowville	19.6	20.6	24.9	41.8	56.7	63.2	65.1	69.1	58.0	48.9	41.4	31.5
Massena	1/	1/	1/	42.6	1/	65.3	66.1	69.6	58.8	48.7	40.8	29.5
New York City	33.7	35.9	39.6	54.0	63.6	73.0	73.2	78.7	67.7	58.5	52.7	44.1
Riverhead	31.1	34.7	37.9	51.7	61.9	71.5	71.6	75.8	67.0	57.8	50.7	43.3
Rochester	26.6	28.6	30.3	47.7	59.5	66.7	69.0	72.2	61.2	52.4	47.1	35.9
Syracuse	25.8	27.6	29.9	47.8	59.3	67.2	69.4	73.7	62.3	53.3	47.3	36.8
Utica	26.1	24.8	27.8	45.0	57.6	65.1	66.6	71.2	60.1	50.5	44.7	33.5
Watertown	20.0	22.9	27.8	44.1	56.9	64.1	66.7	70.3	59.9	50.9	43.7	33.3

Table 83 **PRECIPITATION:** Monthly Precipitation at Selected Stations, 2001

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	<i>Inches</i>											
Albany	1.00	1.85	5.50	1.33	3.21	3.78	3.59	2.10	1.64	1.26	1.38	1.95
Batavia	1.07	1.01	1.61	0.77	3.84	1.62	0.71	1.74	2.82	5.23	2.67	1.43
Binghamton	0.95	1.56	5.41	0.73	1.99	8.60	2.50	2.21	4.61	1.60	1.84	2.29
Bridgehamton	3.79	3.15	10.7	1.72	4.23	5.45	3.22	6.31	5.60	2.28	0.33	2.49
Buffalo	2.15	2.33	3.31	1.27	4.28	1.36	0.73	2.13	3.45	4.34	3.35	6.48
Canton	1.07	2.04	2.44	0.49	2.35	1.79	2.39	4.15	4.24	3.83	2.45	2.05
Chazy	1/	0.04	1/	0.28	1.96	5.47	2.09	3.87	2.07	1.01	2.36	1/
Coopertown	1.64	2.16	6.18	1.50	3.29	4.42	3.79	0.41	4.19	1.36	2.15	2.21
Dansville	0.22	1.03	2.57	0.92	2.52	1.49	1.13	2.94	2.40	1.83	2.19	3.00
Elmira	1/	0.64	5.41	1.39	1.78	3.16	1.54	1.63	5.95	1.76	1.36	2.28
Fredonia	1.48	1.62	2.37	1.46	3.28	1.78	2.53	2.55	3.34	5.10	3.08	3.98
Geneva	0.92	0.86	4.38	1.16	2.33	5.10	1.98	2.35	4.11	1.83	2.08	2.61
Glens Falls	1/	1.42	3.70	0.73	2.80	5.03	3.16	2.97	2.91	1.66	1.71	1.81
Gloversville	3.35	2.42	6.76	1.37	3.94	4.45	2.82	1.98	3.41	1.39	2.30	2.16
Ithaca	1.08	1.14	5.53	0.79	2.04	4.85	3.51	3.62	5.91	1.80	2.15	2.23
Liberty	1.45	2.84	5.15	1.68	3.93	6.19	2.16	2.51	6.07	1.11	1.14	3.73
Little Valley	0.91	2.10	2.68	2.68	2.85	4.83	1.71	1.11	4.32	4.38	3.00	2.70
Lowville	0.99	2.99	4.62	1.04	2.76	3.48	2.39	2.89	6.48	4.25	2.96	3.78
Massena	1/	1/	1/	0.49	1/	2.29	2.03	3.53	3.53	3.98	2.32	1.76
New York City	3.16	1.95	7.48	1.58	2.03	5.29	2.04	2.56	5.30	0.66	1.36	2.24
Riverhead	3.78	2.17	10.4	1.69	6.44	6.08	3.43	4.86	2.98	1.97	0.53	2.24
Rochester	1.95	2.26	4.13	1.19	2.66	1.84	1.80	4.30	3.15	2.28	1.90	1.72
Syracuse	1.57	1.77	5.38	1.53	2.24	3.58	2.08	4.84	4.05	2.15	2.92	2.19
Utica	1.35	1.84	4.29	1.80	2.88	8.12	2.34	3.54	4.13	3.14	2.80	1.85
Watertown	1.00	2.12	1.68	0.61	2.84	2.24	0.94	3.95	3.35	4.36	2.77	3.55

1/ Data not available.

Weather information and data furnished in cooperation by National Weather Service, NOAA, U.S. Dept. of Commerce.

Table 84. **GROWING DEGREE DAYS:** Selected Stations, April-October, 2001 ^{1/}

Station	Apr.	May	June	July	Aug.	Sept.	Oct.	Season Total	Departure from normal
Albany	66	275	554	592	736	377	162	2,781	143
Batavia	118	334	546	608	726	396	<u>2/</u>	<u>2/</u>	<u>2/</u>
Binghamton	60	218	456	483	651	259	134	2,270	-84
Bridgehamton	41	266	561	562	745	417	178	2,761	122
Buffalo	67	284	518	621	715	391	176	2,777	144
Canton	42	307	472	543	674	339	158	2,532	442
Cooperstown	48	250	452	464	635	274	<u>2/</u>	<u>2/</u>	<u>2/</u>
Dansville	<u>2/</u>	302	507	587	718	354	164	<u>2/</u>	<u>2/</u>
Elmira	61	213	456	501	630	241	111	2,213	<u>2/</u>
Fredonia	<u>2/</u>	375	546	641	715	406	222	3,050	506
Glens Falls	47	238	499	516	620	249	91	2,274	-58
Ithaca	66	274	466	529	649	304	155	2,443	191
Liberty	57	182	422	<u>2/</u>	582	267	107	<u>2/</u>	<u>2/</u>
Little Valley	<u>2/</u>	<u>2/</u>	<u>2/</u>	439	<u>2/</u>	222	<u>2/</u>	<u>2/</u>	<u>2/</u>
Lowville	28	238	409	476	601	263	106	2,121	<u>2/</u>
Massena	20	242	464	492	<u>2/</u>	278	111	<u>2/</u>	<u>2/</u>
New York City	147	416	727	760	891	553	291	3,790	85
Riverhead	120	372	651	677	809	516	273	3,418	487
Rochester	86	294	502	592	688	337	164	2,688	-15
Syracuse	74	298	525	607	741	375	190	2,810	179
Utica	48	248	463	519	660	307	146	2,408	-56
Watertown	42	235	427	522	<u>2/</u>	305	146	2,327	102

^{1/} One growing degree day is accumulated for each whole degree that the daily mean temperature is above 50 degrees Fahrenheit.

2/ Data not available.