

Summary of Monthly Normals
1991-2020

Current Location: Elev: 497 ft. Lat: 43.9761° N Lon: 75.8753° W
Station: **WATERTOWN, NY US USC00309000**

Generated on 06/04/2024

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std Dev	Long Term Min Std Dev	Long Term Avg Std Dev	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
01	28.9	10.7	19.8	4.8	7.1	5.9	0.4	0.2	0.0	0.0	0.0	0.0	1091.3	1153.2	1246.1	1401.0	0.0	0.0	2.0	18.0	28.8	8.7
02	30.9	11.7	21.3	5.2	6.3	5.7	0.0	0.0	0.0	0.0	0.0	0.0	943.4	999.5	1083.5	1223.5	0.0	0.0	1.6	14.5	26.4	6.9
03	39.6	21.6	30.6	4.7	4.9	4.7	3.0	2.3	1.3	0.3	0.0	0.0	759.3	820.6	912.6	1066.7	0.0	0.0	6.3	8.0	24.9	1.7
04	53.5	34.5	44.0	3.5	2.6	2.9	22.5	15.0	7.9	2.0	0.2	0.0	352.5	405.1	487.9	632.0	0.0	0.0	18.7	0.4	12.8	0.0
05	66.9	47.2	57.0	3.9	3.0	3.3	147.9	115.1	75.3	30.7	9.0	4.8	84.6	113.7	166.8	277.3	0.0	0.0	29.8	0.0	1.1	0.0
06	75.3	56.9	66.1	2.5	2.0	2.1	338.8	283.6	206.9	101.9	37.7	23.1	6.0	10.7	23.9	68.9	0.0	0.7	30.0	0.0	0.0	0.0
07	79.8	62.0	70.9	3.0	2.1	2.5	492.8	430.9	338.9	195.3	82.7	52.0	0.0	0.1	1.1	12.5	0.0	1.4	31.0	0.0	0.0	0.0
08	78.7	60.5	69.6	2.4	1.9	2.0	452.8	391.4	301.2	164.3	64.2	37.7	0.3	0.9	3.7	21.8	0.0	1.1	31.0	0.0	0.0	0.0
09	71.8	52.3	62.1	2.5	2.3	2.3	237.6	191.5	131.7	59.2	19.4	11.0	26.2	40.1	70.3	147.8	0.0	0.3	30.0	0.0	0.2	0.0
10	58.6	41.0	49.8	2.8	2.8	2.7	51.1	36.1	19.8	5.2	1.0	0.4	212.2	259.3	336.0	476.4	0.0	0.0	25.4	0.0	6.0	0.0
11	46.4	30.5	38.4	4.3	3.3	3.7	5.3	2.7	1.0	0.1	0.0	0.0	501.8	559.3	647.6	796.6	0.0	0.0	11.5	2.5	17.3	0.2
12	34.9	19.7	27.3	4.7	5.0	4.8	0.3	0.1	0.0	0.0	0.0	0.0	858.9	920.7	1013.6	1168.6	0.0	0.0	3.3	12.0	26.4	2.5
Summary	55.4	37.4	46.4	3.7	3.6	3.6	1752	1469	1084	559	214	129	4836	5283	5993	7293	0.0	3.5	220.6	55.4	143.9	20.0

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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Precipitation (in.)									
	Totals	Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount			
	Means	Daily Precipitation				Monthly Precipitation vs. Probability Levels			
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75	
01	3.58	17.9	10.3	1.9	0.4	2.43	3.58	4.23	
02	2.88	14.8	8.0	1.5	0.1	2.05	2.80	3.42	
03	2.75	13.1	7.5	1.8	0.3	1.77	2.81	3.52	
04	3.53	13.6	8.4	2.1	0.5	2.19	3.92	4.82	
05	3.65	13.8	8.1	2.2	0.6	2.09	3.12	5.65	
06	3.71	12.7	8.4	2.6	0.6	2.42	3.34	4.44	
07	3.47	11.0	6.7	1.9	0.8	2.38	3.17	4.60	
08	3.84	11.1	7.1	2.4	1.1	2.19	3.85	5.11	
09	3.85	11.6	7.5	2.4	0.7	2.89	3.36	4.73	
10	5.01	16.1	10.0	3.3	1.0	3.40	4.43	6.46	
11	4.24	15.0	9.1	3.0	0.6	3.20	4.12	5.12	
12	3.85	17.3	10.4	2.2	0.4	3.38	3.73	4.29	
Summary	44.36	168.0	101.5	27.3	7.1	30.39	42.23	56.39	

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Snow (in.)													
	Totals	Mean Number of Days									Snow Probabilities Probability that snow will be equal to or less than the indicated amount		
	Means	Snowfall >= Thresholds					Snow Depth >= Thresholds				Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution.		
Month	Snowfall Mean	0.01	1.0	3.0	5.00	10.00	1	3	5	10	.25	.50	.75
01	34.00	11.7	9.5	4.4	2.2	0.6	26.0	21.0	16.1	8.4	18.20	25.80	46.60
02	29.60	10.1	8.3	4.1	2.1	0.3	25.1	22.2	17.7	8.9	18.50	25.00	40.40
03	13.60	5.6	4.4	1.7	0.9	0.1	15.7	11.5	8.0	3.1	4.10	12.80	21.80
04	2.70	1.3	0.9	0.4	0.1	0.0	1.9	1.0	0.4	0.0	0.00	0.50	2.00
05	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
06	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	0.50	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
11	9.10	3.4	2.6	1.2	0.5	0.1	5.1	2.7	1.6	0.3	0.90	7.70	14.40
12	26.90	9.1	7.3	3.3	1.8	0.5	18.1	12.7	8.2	2.6	15.80	25.50	31.40
Summary	116.4	41.3	33.1	15.1	7.6	1.6	92.0	71.1	52.0	23.3	57.5	97.3	156.6

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	8.7	6.4	38.6	182.5	530.3	782.9	957.8	917.5	661.5	320.1	96.7	18.2
45	3.4	1.4	17.1	102.8	383.0	632.9	802.8	762.5	512.3	199.0	46.3	5.8
50	1.3	0.0	6.7	51.5	251.5	483.8	647.8	607.5	368.7	108.4	18.7	1.4
55	0.4	0.0	3.0	22.5	147.9	338.8	492.8	452.8	237.6	51.1	5.3	0.3
60	0.0	0.0	1.3	7.9	75.3	206.9	338.9	301.2	131.7	19.8	1.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	4.1	3.4	22.8	102.4	303.6	489.9	642.6	606.5	397.4	162.7	45.2	7.8

Growing Degree Units (Accumulated Monthly)												
40	9	15	54	236	766	1549	2507	3425	4086	4406	4503	4521
45	3	5	22	125	508	1141	1943	2706	3218	3417	3464	3469
50	1	1	8	60	311	795	1443	2050	2419	2527	2546	2547
55	0	0	3	26	174	513	1005	1458	1696	1747	1752	1752
60	0	0	1	9	84	291	630	932	1063	1083	1084	1084
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	4	8	30	133	436	926	1569	2175	2573	2735	2781	2788

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.

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