

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### September 1999

Station: Westford  
 Latitude: 44° 37' 39" N Longitude: 73° 02' 29" W Elevation (Ground): 850 feet Time Zone: Eastern

Date	Temperature					Humidity Mean	Deg. Days		Precip Ty 1 fog 2 hvy fog 3 thunder 4 ice plt 5 hail 6 glaze 7 duststm 8 smk, hz 9 blw snw	Snow Cvr	Precip		Pressure Adj. to Sea Level			Wind						Sun Mean Index	
	Maximum	Minimum	Average	Mean	Dew Point		Heating Base 65°F	Cooling Base 65°F			Water Equivalent	Ice Pellets Snow	Maximum	Minimum	Mean	Avg Speed	Res Speed	Res Dir	Peak		Minute		
																			Speed	Dir	Speed		Dir
1	2	3	4A	4B	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	83.0	44.0	63.5	64.0	0	0	1	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
2	86.0	47.0	66.5	67.0	0	0	0	2	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
3	85.0	51.0	68.0	68.0	0	0	0	3	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
4	90.0*	53.0	71.5	72.0	0	0	0	7	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
5	83.0	60.0	71.5	72.0	0	0	0	7	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
6	86.0	62.0	74.0	74.0	0	0	0	9	.....	0	0.02	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
7	85.0	69.0	77.0*	77.0	0	0	0	12	.....	0	0.24	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
8	82.0	67.0	74.5	75.0	0	0	0	10	..3.....	0	0.47	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
9	82.0	63.0	72.5	73.0	0	0	0	8	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
10	72.0	62.0	67.0	67.0	0	0	0	2	.....	0	0.30	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
11	73.0	52.0	62.5	63.0	0	0	2	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
12	72.0	49.0	60.5	61.0	0	0	4	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
13	79.0	45.0	62.0	62.0	0	0	3	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
14	71.0	61.0	66.0	66.0	0	0	0	1	.....	0	0.04	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
15	72.0	58.0	65.0	65.0	0	0	0	0	.....	0	0.17	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
16	60.0	53.0	56.5	57.0	0	0	8	0	.....	0	1.80	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
17	54.0	49.0	51.5	52.0	0	0	13	0	.....	0	2.65	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
18	63.0	44.0	53.5	54.0	0	0	11	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
19	70.0	37.0*	53.5	54.0	0	0	11	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
20	71.0	47.0	59.0	59.0	0	0	6	0	.....	0	0.36	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
21	51.0	46.0	48.5	49.0	0	0	16	0	.....	0	0.47	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
22	50.0	44.0	47.0*	47.0	0	0	18	0	.....	0	1.02	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
23	65.0	37.0	51.0	51.0	0	0	14	0	.....	0	0.04	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
24	72.0	52.0	62.0	62.0	0	0	3	0	.....	0	0.03	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
25	58.0	44.0	51.0	51.0	0	0	14	0	.....	0	0.14	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
26	64.0	37.0	50.5	51.0	0	0	14	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
27	71.0	41.0	56.0	56.0	0	0	9	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
28	75.0	49.0	62.0	62.0	0	0	3	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
29	76.0	55.0	65.5	66.0	0	0	0	1	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
30	67.0	44.0	55.5	56.0	0	0	9	0	.....	0	0.58	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
Sum	Sum	-----	-----	---	----	Ttl	Ttl	Number of Days		For the month:													---
2168	1522					159	62			8.33	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
Avg	Avg	Avg	Mean	Avg	Avg	----	----	Precip		Season Ttl	Date	Date	-----	----	----	---	Date	Date	Avg				
72.3	50.7	61.5	61.8	0	0.0	----	----	≥.01 inch 15		32.10	0.0	1+	1+	-----	----	----	---	1+	1+				
Number of Days						Season to Date	Snow, Ice ≥1.0 inch	0	Greatest in 24 Hours and Dates						Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date								
Max Temperature			Min Temperature			212	452	Thunder	1	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	0.00	-	0.0	-	0						-					
1	0	0	0	----	----	Clear	30	Partly Cloudy			0	Cloudy			0								

NOTES:  
 Units are: Temperature=°F, Wind=mph, Pressure=Inches Hg, Precipitation=inches.  
 Data in column 4A are (MAX+MIN) ÷ 2, whereas columns 4B, 5, 6, 15, 16, 23 are means via continuous observations for 24 hours.  
 Column 5: Dew point is calculated from temperature and humidity and is continuously averaged for 24 hours.  
 Data in columns 9, 10, 12 are entered manually by the station observer.  
 Columns 17-18: Resultant wind is calculated by the vector sum of continuous wind observations.  
 Column 23: Sunshine index is measured in Watts/m<sup>2</sup> and is continuously averaged for 24 hours.  
 Data in columns 4B, 5, 6, 15, 16, 23 are updated continuously, there by achieving a "true" mean.