

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### July 2002

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	
	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	86.0	66.0	76.0	76.0	0	0	0	11	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
2	90.0*	72.0	81.0*	81.0	0	0	0	16	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
3	90.0	71.0	80.5	81.0	0	0	0	16	..3.....	0	0.03	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
4	89.0	68.0	78.5	79.0	0	0	0	14	..3.....	0	0.15	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
5	70.0	55.0	62.5	63.0	0	0	2	0	..3.....	0	0.69	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
6	74.0	54.0	64.0	64.0	0	0	1	0	..3.....	0	0.47	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
7	73.0	55.0	64.0	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	
8	82.0	58.0	70.0	70.0	0	0	0	5	..3.....	0	1.38	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
9	79.0	63.0	71.0	71.0	0	0	0	6	.....	0	1.23	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
10	68.0	54.0	61.0	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	
11	68.0	49.0	58.5*	59.0	0	0	6	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
12	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	
13	82.0	58.0	70.0	70.0	0	0	0	5	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
14	83.0	58.0	70.5	71.0	0	0	0	6	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
15																							
16																							
17	79.0	51.0	65.0	65.0	0	0	0	0	..3.....	0	T	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
18	72.0	59.0	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	
19	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	
20	75.0	53.0	64.0	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	
21	80.0	53.0	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	
22	86.0	68.0	77.0	77.0	0	0	0	12	.....	0	0.02	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
23	74.0	54.0	64.0	64.0	0	0	1	0	..3.....	0	0.85	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
24	71.0	47.0*	59.0	59.0	0	0	6	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
25	77.0	48.0	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	
26	73.0	57.0	65.0	65.0	0	0	0	0	.....	0	0.02	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
27	79.0	56.0	67.5	68.0	0	0	0	3	.....	0	0.05	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
28	80.0	64.0	72.0	72.0	0	0	0	7	.....	0	T	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
29	81.0	67.0	74.0	74.0	0	0	0	9	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
30	82.0	67.0	74.5	75.0	0	0	0	10	.....	0	0.03	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
31	84.0	65.0	74.5	75.0	0	0	0	10	.....	0	0.00	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:						---				
2278	1694					27	134			4.92	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				
78.6	58.4	68.5	68.7	0	0.0	----	----	≥.01 inch	11	29.90	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			27	194	Thunder	7	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	0.00	-	0.0	-	0						-					
2	0	0	0	----	----	Clear	29	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.