

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### May 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		11	12	13	14	15	16	17	18	19	20	21	22	23	
1	52.0	38.0	45.0	45.0	0	0	20	0	.....	0	0.13	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
2	48.0	36.0	42.0	42.0	0	0	23	0	.....	0	0.31	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
3	50.0	38.0	44.0	44.0	0	0	21	0	.....	0	0.08	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
4	61.0	37.0	49.0	49.0	0	0	16	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
5	69.0	37.0	53.0	53.0	0	0	12	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
6	75.0	50.0	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	
7	72.0	45.0	58.5	59.0	0	0	6	0	.....	0	0.11	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
8	56.0	39.0	47.5	48.0	0	0	17	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
9	60.0	44.0	52.0	52.0	0	0	13	0	.....	0	0.04	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
10	65.0	47.0	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	
11	59.0	39.0	49.0	49.0	0	0	16	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
12	57.0	41.0	49.0	49.0	0	0	16	0	.....	0	0.15	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
13	46.0	37.0	41.5*	42.0	0	0	23	0	.....	0	0.49	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
14	51.0	34.0*	42.5	43.0	0	0	22	0	.....	0	0.97	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
15	52.0	34.0	43.0	43.0	0	0	22	0	.....	0	0.10	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
16	62.0	41.0	51.5	52.0	0	0	13	0	.....	0	0.01	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
17	60.0	42.0	51.0	51.0	0	0	14	0	.....	0	0.61	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
18	53.0	37.0	45.0	45.0	0	0	20	0	.....	0	0.10	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
19																							
20	53.0	36.0	44.5	45.0	0	0	20	0	.....	0	0.01	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
21	55.0	38.0	46.5	47.0	0	0	18	0	.....	0	0.10	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
22	66.0	37.0	51.5	52.0	0	0	13	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
23	73.0	42.0	57.5	58.0	0	0	7	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
24	68.0	49.0	58.5	59.0	0	0	6	0	.....	0	0.01	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
25	61.0	35.0	48.0	48.0	0	0	17	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
26	71.0	49.0	60.0	60.0	0	0	5	0	.....	0	0.09	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
27	77.0	41.0	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	
28	78.0	55.0	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	
29	79.0*	58.0	68.5*	69.0	0	0	0	4	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
30	75.0	62.0	68.5	69.0	0	0	0	4	..3.....	0	0.15	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
31	73.0	57.0	65.0	65.0	0	0	0	0	..3.....	0	1.03	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
Sum	Sum	-----	-----	---	----		Ttl	Ttl															---
1877	1275						377	10	Number of Days		4.49	T	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	
62.6	42.5	52.5	52.8	0	0.0	----	----		≥.01 inch	18	15.89	94.1	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			64	52	29	Thunder	2	Precipitation		Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----				Heavy Fog	0	0.00	-	T	14+	0			-					
0	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.