

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### December 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 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	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	39.0	8.0	23.5	24.0	0	0	41	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
2	28.0	8.0	18.0	18.0	0	0	47	0	.....	0	0.54	5.4	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
3	12.0	5.0	8.5	9.0	0	0	56	0	.....	0	0.07	2.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
4	18.0	3.0	10.5	11.0	0	0	54	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
5	26.0	8.0	17.0	17.0	0	0	48	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
6	30.0	18.0	24.0	24.0	0	0	41	0	.....	0	0.02	0.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
7	30.0	20.0	25.0	25.0	0	0	40	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
8	31.0	2.0	16.5	17.0	0	0	48	0	.....	0	0.09	1.7	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
9	13.0	-9.0*	2.0*	2.0	0	0	63	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
10	29.0	12.0	20.5	21.0	0	0	44	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
11	32.0	18.0	25.0	25.0	0	0	40	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
12	39.0	28.0	33.5	34.0	0	0	31	0	.....	0	0.18	0.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
13	36.0	29.0	32.5	33.0	0	0	32	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
14	41.0	31.0	36.0	36.0	0	0	29	0	.....	0	0.32	0.6	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
15	35.0	28.0	31.5	32.0	0	0	33	0	.....	0	0.02	0.4	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
16	30.0	14.0	22.0	22.0	0	0	43	0	.....	0	0.06	1.2	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
17	17.0	6.0	11.5	12.0	0	0	53	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
18	22.0	4.0	13.0	13.0	0	0	52	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
19	35.0	12.0	23.5	24.0	0	0	41	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
20	45.0*	32.0	38.5*	39.0	0	0	26	0	.....	0	0.50	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
21	36.0	31.0	33.5	34.0	0	0	31	0	.....	0	0.01	0.1	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
22	38.0	32.0	35.0	35.0	0	0	30	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
23	35.0	28.0	31.5	32.0	0	0	33	0	.....	0	0.18	2.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
24	28.0	16.0	22.0	22.0	0	0	43	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
25	28.0	12.0	20.0	20.0	0	0	45	0	.....	0	0.01	0.2	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
26	28.0	18.0	23.0	23.0	0	0	42	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
27	24.0	11.0	17.5	18.0	0	0	47	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
28																							
29	31.0	17.0	24.0	24.0	0	0	41	0	.....	0	0.02	0.8	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
30	26.0	4.0	15.0	15.0	0	0	50	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
31	41.0	26.0	33.5	34.0	0	0	31	0	...4.....	0	0.67	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
Sum	Sum	-----	-----	---	----		Ttl	Ttl															---
	903	472					1255	0	Number of Days		2.69	15.4	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				
	30.1	15.7	22.9	23.2	0	0.0	----	----	≥.01 inch	14	51.18	35.9	1+	1+	-----	----	----	---	1+	1+			
Number of Days							Season to Date	Snow, Ice ≥1.0 inch	5	Greatest in 24 Hours and Dates					Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date								
Max Temperature			Min Temperature			2879	393	Thunder	0	Precipitation		Snow, Ice Plts											
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	0.00	-	5.4	2	0					-						
0	19	30	1	----	----	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.