

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### February 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	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	37.0	15.0	26.0	26.0	0	0	39	0	.....6...	0	0.80	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
2	16.0	3.0	9.5*	10.0	0	0	55	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
3	31.0	3.0	17.0	17.0	0	0	48	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
4	30.0	12.0	21.0	21.0	0	0	44	0	.....	0	0.09	3.9	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
5	20.0	-1.0	9.5	10.0	0	0	55	0	.....	0	0.02	1.7	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
6	30.0	7.0	18.5	19.0	0	0	46	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
7	37.0	18.0	27.5	28.0	0	0	37	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
8	35.0	12.0	23.5	24.0	0	0	41	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
9	22.0	3.0	12.5	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	
10	40.0	12.0	26.0	26.0	0	0	39	0	.....	0	0.02	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
11	38.0	-4.0*	17.0	17.0	0	0	48	0	.....	0	0.23	1.4	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
12	32.0	-4.0	14.0	14.0	0	0	51	0	.....	0	0.02	0.4	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
13	31.0	4.0	17.5	18.0	0	0	47	0	.....	0	0.02	0.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
14	32.0	4.0	18.0	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	
15	42.0	28.0	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	
16	44.0	29.0	36.5	37.0	0	0	28	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
17	37.0	19.0	28.0	28.0	0	0	37	0	.....	0	0.41	4.7	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
18	24.0	6.0	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	
19	40.0	9.0	24.5	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	
20	48.0	26.0	37.0	37.0	0	0	28	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
21	49.0	36.0	42.5	43.0	0	0	22	0	.....	0	0.29	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
22	38.0	23.0	30.5	31.0	0	0	34	0	.....	0	0.10	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
23	35.0	15.0	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	
24	42.0	16.0	29.0	29.0	0	0	36	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
25	46.0	35.0	40.5	41.0	0	0	24	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
26	55.0*	39.0	47.0*	47.0	0	0	18	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
27	47.0	24.0	35.5	36.0	0	0	29	0	.....	0	0.33	4.1	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
28	29.0	14.0	21.5	22.0	0	0	43	0	.....	0	0.02	0.4	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
Sum	Sum	-----	-----	---	----		Ttl	Ttl					For the month:										---
1007	403						1108	0	Number of Days		2.35	17.1	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			
36.0	14.4	25.2	25.4	0	0.0	----	----		≥.01 inch	12	5.15	69.1	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			4554	0	Thunder	0	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----			Heavy Fog	0	0.00	-	4.7	17	0			-						
0	11	25	3	----	----			Clear	28	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.