

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### December 2001

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	56.0	43.0	49.5	50.0	0	0	15	0	.....	0	0.01	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
2	51.0	38.0	44.5	45.0	0	0	20	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
3	48.0	32.0	40.0	40.0	0	0	25	0	.....	0	0.01	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
4	47.0	37.0	42.0	42.0	0	0	23	0	.....	0	0.23	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
5	54.0	44.0	49.0	49.0	0	0	16	0	.....	0	0.16	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
6	60.0*	43.0	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	
7	44.0	26.0	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	
8	38.0	19.0	28.5	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	
9	39.0	20.0	29.5	30.0	0	0	35	0	.....	0	0.07	0.8	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
10	36.0	23.0	29.5	30.0	0	0	35	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
11	41.0	28.0	34.5	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	
12	42.0	21.0	31.5	32.0	0	0	33	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
13	47.0	36.0	41.5	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	
14	48.0	31.0	39.5	40.0	0	0	25	0	.....	0	0.24	2.6	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
15	39.0	18.0	28.5	29.0	0	0	36	0	.....	0	0.38	4.6	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
16	25.0	10.0	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	
17	32.0	15.0	23.5	24.0	0	0	41	0	.....	0	0.28	2.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
18	33.0	26.0	29.5	30.0	0	0	35	0	.....	0	0.19	2.4	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
19	39.0	31.0	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	
20	37.0	31.0	34.0	34.0	0	0	31	0	.....	0	0.18	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
21	33.0	23.0	28.0	28.0	0	0	37	0	.....	0	0.08	1.8	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
22	32.0	11.0	21.5	22.0	0	0	43	0	.....	0	0.02	0.6	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
23	36.0	8.0*	22.0	22.0	0	0	43	0	.....	0	0.04	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
24	36.0	24.0	30.0	30.0	0	0	35	0	.....	0	0.08	0.7	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
25	31.0	20.0	25.5	26.0	0	0	39	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
26	32.0	16.0	24.0	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	
27	30.0	19.0	24.5	25.0	0	0	40	0	.....	0	0.01	0.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
28																							
29																							
30																							
31	30.0	14.0	22.0	22.0	0	0	43	0	.....	0	0.06	1.8	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
Sum	Sum	-----	-----	---	----		Ttl	Ttl					For the month:										---
1116	707						900	0	Number of Days		2.35	17.8	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			
39.9	25.3	32.6	32.9	0	0.0	----	----		≥.01 inch	17	33.79	22.0	1+	1+	-----	----	----	---	1+	1+			
Number of Days							Season to Date	Snow, Ice ≥1.0 inch	6	Greatest in 24 Hours and Dates					Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date								
Max Temperature			Min Temperature			2258	346	Thunder	0	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----			Heavy Fog	0	0.00	-	4.6	15	0			-						
0	7	22	0	----	----			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.