

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### January 2000

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	Speed
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																								
2	47.0	16.0	31.5	32.0	0	0	33	0	.....	0	0.20	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
3	51.0	30.0	40.5	41.0	0	0	24	0	.....	0	0.04	0.4	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
4	54.0*	30.0	42.0*	42.0	0	0	23	0	.....	0	0.42	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
5	38.0	10.0	24.0	24.0	0	0	41	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
6	34.0	9.0	21.5	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		
7	36.0	28.0	32.0	32.0	0	0	33	0	.....	0	0.06	0.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
8	33.0	16.0	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		
9	37.0	32.0	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		
10	41.0	32.0	36.5	37.0	0	0	28	0	.....	0	0.47	0.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
11	43.0	34.0	38.5	39.0	0	0	26	0	...4.....	0	0.02	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
12	37.0	21.0	29.0	29.0	0	0	36	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
13	22.0	4.0	13.0	13.0	0	0	52	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
14	8.0	-1.0	3.5	4.0	0	0	61	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
15	12.0	-6.0	3.0	3.0	0	0	62	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
16	31.0	3.0	17.0	17.0	0	0	48	0	.....	0	0.20	2.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
17	3.0	-13.0	-5.0	-5.0	0	0	70	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
18	5.0	-20.0	-7.5*	-8.0	0	0	73	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
19	13.0	-17.0	-2.0	-2.0	0	0	67	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
20	22.0	-3.0	9.5	10.0	0	0	55	0	.....	0	0.02	0.3	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
21	12.0	-5.0	3.5	4.0	0	0	61	0	.....	0	0.09	1.6	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
22	4.0	-15.0	-5.5	-6.0	0	0	71	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
23	21.0	-21.0*	0.0	0.0	0	0	65	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
24	36.0	11.0	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		
25	24.0	5.0	14.5	15.0	0	0	50	0	.....	0	0.74	11.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
26	24.0	11.0	17.5	18.0	0	0	47	0	.....	0	0.20	6.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
27	12.0	0.0	6.0	6.0	0	0	59	0	.....	0	0.04	0.6	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
28	8.0	-5.0	1.5	2.0	0	0	63	0	.....	0	0.03	0.4	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
29	19.0	-12.0	3.5	4.0	0	0	61	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
30	34.0	-7.0	13.5	14.0	0	0	51	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0		
31	35.0	20.0	27.5	28.0	0	0	37	0	.....	0	0.39	4.0	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:													---	
796	187					1451	0			2.92	27.8	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					
26.5	6.2	16.4	16.6	0	0.0	----	----	≥.01 inch	14	2.92	40.6	2+	2+	-----	----	----	---	2+	2+					
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			4106	0	Thunder	0	Precipitation			Snow, Ice Plts											
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	0.00	-	11.0	25	0						-						
0	16	29	13	----	----	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.