

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### December 1996

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	56.0*	35.0	45.5*	46.0	0	0	19	0	.....	0	0.44	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
2	56.0	33.0	44.5	45.0	0	0	20	0	...4.....	0	2.24	0.2	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
3	39.0	26.0	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	
4	37.0	31.0	34.0	34.0	0	0	31	0	...4.....	0	0.04	0.1	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
5	35.0	31.0	33.0	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	
6	38.0	28.0	33.0	33.0	0	0	32	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
7	36.0	29.0	32.5	33.0	0	0	32	0	...4.....	0	0.05	0.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
8	35.0	31.0	33.0	33.0	0	0	32	0	...4.....	0	0.55	5.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
9	38.0	27.0	32.5	33.0	0	0	32	0	...4.....	0	0.05	0.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
10	35.0	24.0	29.5	30.0	0	0	35	0	...4.....	0	0.01	0.1	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
11	37.0	29.0	33.0	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	
12	38.0	30.0	34.0	34.0	0	0	31	0	.....	0	0.01	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
13	42.0	35.0	38.5	39.0	0	0	26	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
14	38.0	33.0	35.5	36.0	0	0	29	0	...4.....	0	0.28	0.1	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
15	39.0	32.0	35.5	36.0	0	0	29	0	...4.....	0	0.04	0.1	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
16	42.0	31.0	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	50.0	36.0	43.0	43.0	0	0	22	0	.....	0	0.02	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
18	50.0	37.0	43.5	44.0	0	0	21	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
19	37.0	26.0	31.5	32.0	0	0	33	0	.....	0	0.26	3.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
20	27.0	17.0	22.0	22.0	0	0	43	0	...4.....	0	0.35	3.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
21	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	
22	32.0	24.0	28.0	28.0	0	0	37	0	.....	0	T	T	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	...4.....	0	0.20	0.1	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
24	48.0	32.0	40.0	40.0	0	0	25	0	.....	0	0.31	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
25	36.0	13.0	24.5	25.0	0	0	40	0	...4.....	0	0.02	0.2	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
26	30.0	14.0	22.0	22.0	0	0	43	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
27	32.0	27.0	29.5	30.0	0	0	35	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
28	42.0	26.0	34.0	34.0	0	0	31	0	.....	0	T	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
29	44.0	37.0	40.5	41.0	0	0	24	0	.....	0	0.14	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
30	37.0	10.0	23.5	24.0	0	0	41	0	...4.....	0	0.02	0.1	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
31	11.0	-10.0*	0.5*	1.0	0	0	64	0	.....	0	0.10	1.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
Sum	Sum	-----	-----	---	----		Ttl	Ttl															---
1181	814						1008	0	Number of Days		5.13	15.0	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				
38.1	26.3	32.2	32.5	0	0.0	----	----		≥.01 inch	19	49.13	34.8	1+	1+	-----	----	----	---	1+	1+			
Number of Days							Season to Date	Snow, Ice ≥1.0 inch	4	Greatest in 24 Hours and Dates					Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date								
Max Temperature			Min Temperature			2730	274	Thunder	0	Precipitation		Snow, Ice Plts											
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----			Heavy Fog	0	0.00	-	5.5	8	0			-						
0	6	24	1	----	----			Clear	31	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.