

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

March 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	
	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	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	35.0	19.0	27.0	27.0	0	0	38	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
2	43.0	17.0	30.0	30.0	0	0	35	0	.....	0	T	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
3	55.0	31.0	43.0	43.0	0	0	22	0	.....	0	0.29	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
4	31.0	12.0	21.5	22.0	0	0	43	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
5	29.0	10.0	19.5	20.0	0	0	45	0	.....	0	0.01	0.3	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
6	37.0	19.0	28.0	28.0	0	0	37	0	.....	0	0.04	0.7	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
7	37.0	26.0	31.5	32.0	0	0	33	0	.....	0	0.01	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
8	47.0	26.0	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
9	63.0*	44.0	53.5*	54.0	0	0	11	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
10	60.0	19.0	39.5	40.0	0	0	25	0	.....	0	0.32	0.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
11	30.0	13.0	21.5	22.0	0	0	43	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
12	41.0	23.0	32.0	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	50.0	28.0	39.0	39.0	0	0	26	0	.....	0	T	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
14	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
15	51.0	27.0	39.0	39.0	0	0	26	0	.....	0	0.08	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
16	44.0	15.0	29.5	30.0	0	0	35	0	.....	0	0.09	0.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
17	37.0	14.0	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
18	36.0	25.0	30.5	31.0	0	0	34	0	.....	0	0.24	4.9	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
19	37.0	23.0	30.0	30.0	0	0	35	0	.....	0	0.07	1.4	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
20	39.0	22.0	30.5	31.0	0	0	34	0	.....	0	0.30	2.9	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
21	39.0	16.0	27.5	28.0	0	0	37	0	.....	0	0.03	0.3	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
22	24.0	7.0*	15.5*	16.0	0	0	49	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
23	30.0	15.0	22.5	23.0	0	0	42	0	.....	0	0.08	1.3	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
24	35.0	14.0	24.5	25.0	0	0	40	0	.....	0	0.06	1.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
25	29.0	9.0	19.0	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
26	38.0	12.0	25.0	25.0	0	0	40	0	.....	0	0.73	6.2	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
27	42.0	32.0	37.0	37.0	0	0	28	0	.....	0	0.11	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	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
29	51.0	26.0	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
30	55.0	40.0	47.5	48.0	0	0	17	0	.....	0	T	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
31	57.0	35.0	46.0	46.0	0	0	19	0	.....	0	0.00	0.0	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:													---
1286	673					1027	0			2.46	20.0	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				
41.5	21.7	31.6	31.9	0	0.0	----	----	≥.01 inch 15		7.61	89.1	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			5581	0	Thunder	0	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	0.00	-	6.2	26	0		-									
0	6	28	0	----	----	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/m² 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.