

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

October 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	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	74.0	58.0	66.0	66.0	0	0	0	1	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
2	77.0*	60.0	68.5*	69.0	0	0	0	4	..3.....	0	0.41	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
3	60.0	39.0	49.5	50.0	0	0	15	0	.....	0	0.08	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
4	60.0	35.0	47.5	48.0	0	0	17	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
5	69.0	50.0	59.5	60.0	0	0	5	0	.....	0	0.02	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
6	59.0	40.0	49.5	50.0	0	0	15	0	.....	0	0.02	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
7	62.0	46.0	54.0	54.0	0	0	11	0	.....	0	0.02	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
8	47.0	32.0	39.5	40.0	0	0	25	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
9	57.0	30.0	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
10	62.0	45.0	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
11	63.0	52.0	57.5	58.0	0	0	7	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
12	64.0	49.0	56.5	57.0	0	0	8	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
13	64.0	48.0	56.0	56.0	0	0	9	0	.....	0	0.30	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
14	48.0	32.0	40.0	40.0	0	0	25	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
15	51.0	25.0	38.0	38.0	0	0	27	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
16	52.0	38.0	45.0	45.0	0	0	20	0	...4.....	0	1.08	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
17	48.0	36.0	42.0	42.0	0	0	23	0	.....	0	0.73	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
18	48.0	35.0	41.5	42.0	0	0	23	0	.....	0	0.07	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
19	47.0	39.0	43.0	43.0	0	0	22	0	.....	0	0.59	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
20	45.0	31.0	38.0	38.0	0	0	27	0	.....	0	0.10	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
21	40.0	28.0	34.0	34.0	0	0	31	0	.....	0	0.02	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
22	41.0	26.0	33.5	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
23	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
24	44.0	30.0	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
25	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
26	45.0	31.0	38.0	38.0	0	0	27	0	.....	0	0.51	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
27	44.0	36.0	40.0	40.0	0	0	25	0	.....	0	0.04	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
28	42.0	32.0	37.0	37.0	0	0	28	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
29	38.0	23.0	30.5	31.0	0	0	34	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
30	35.0	22.0	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
31	42.0	19.0*	30.5	31.0	0	0	34	0	.....	0	T	T	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:													---
1609	1121					647	5			3.97	T	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				
51.9	36.2	44.0	44.3	0	0.0	----	----	≥.01 inch		13	44.28	T	1+	1+	-----	----	----	---	1+	1+			
Number of Days						Season to Date	Snow, Ice ≥1.0 inch	0	Greatest in 24 Hours and Dates						Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date								
Max Temperature			Min Temperature			850	393	Thunder	1	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	0.00	-	T	16+	0		-									
0	0	15	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.