

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

August 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	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	85.0	64.0	74.5	75.0	0	0	0	10	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
2	82.0	65.0	73.5	74.0	0	0	0	9	.....	0	0.14	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
3	82.0	63.0	72.5	73.0	0	0	0	8	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
4	85.0	59.0	72.0	72.0	0	0	0	7	.....	0	0.01	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
5	82.0	66.0	74.0	74.0	0	0	0	9	.....	0	0.01	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
6	67.0	53.0	60.0	60.0	0	0	5	0	.....	0	0.44	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
7	70.0	55.0	62.5	63.0	0	0	2	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
8	72.0	54.0	63.0	63.0	0	0	2	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
9	75.0	51.0	63.0	63.0	0	0	2	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
10																							
11	85.0	60.0	72.5	73.0	0	0	0	8	.....	0	T	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
12	86.0	64.0	75.0	75.0	0	0	0	10	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
13	90.0*	64.0	77.0	77.0	0	0	0	12	..3.....	0	0.06	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
14	90.0	64.0	77.0	77.0	0	0	0	12	..3.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
15	89.0	68.0	78.5*	79.0	0	0	0	14	..3.....	0	0.13	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
16	86.0	69.0	77.5	78.0	0	0	0	13	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
17	83.0	63.0	73.0	73.0	0	0	0	8	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
18	88.0	66.0	77.0	77.0	0	0	0	12	..3.....	0	T	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
19																							
20																							
21	78.0	50.0	64.0	64.0	0	0	1	0	.....	0	0.04	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
22	75.0	59.0	67.0	67.0	0	0	0	2	.....	0	0.52	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
23	71.0	53.0	62.0	62.0	0	0	3	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
24	73.0	51.0	62.0	62.0	0	0	3	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
25	75.0	53.0	64.0	64.0	0	0	1	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
26	79.0	51.0	65.0	65.0	0	0	0	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
27	67.0	52.0	59.5	60.0	0	0	5	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
28	73.0	45.0*	59.0*	59.0	0	0	6	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
29	65.0	53.0	59.0	59.0	0	0	6	0	.....	0	0.19	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
30																							
31																							
Sum	Sum	-----	-----	---	----		Ttl	Ttl														---	
2053	1515						36	134															
Avg	Avg	Avg	Mean	Avg	Avg	----	----																
79.0	58.3	68.6	68.8	0	0.0	----	----																
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			63	328	Thunder	4	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----			Heavy Fog	0	0.00	-	0.0	-	0			-						
2	0	0	0	----	----			Clear	26	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.