

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

October 1999

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	64.0	38.0	51.0	51.0	0	0	14	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
2	63.0	37.0	50.0	50.0	0	0	15	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
3	57.0	38.0	47.5	48.0	0	0	17	0	.....	0	0.11	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
4	43.0	34.0	38.5	39.0	0	0	26	0	.....	0	0.50	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
5	47.0	33.0	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
6	49.0	30.0	39.5	40.0	0	0	25	0	.....	0	0.09	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
7	45.0	30.0	37.5	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
8	58.0	27.0	42.5	43.0	0	0	22	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
9	66.0*	48.0	57.0*	57.0	0	0	8	0	.....	0	0.14	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
10	66.0	37.0	51.5	52.0	0	0	13	0	.....	0	T	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
11	60.0	41.0	50.5	51.0	0	0	14	0	.....	0	0.31	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
12	55.0	30.0	42.5	43.0	0	0	22	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
13	65.0	36.0	50.5	51.0	0	0	14	0	.....	0	0.04	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
14	62.0	31.0	46.5	47.0	0	0	18	0	.....	0	0.71	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
15	53.0	29.0	41.0	41.0	0	0	24	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
16	66.0	35.0	50.5	51.0	0	0	14	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
17	60.0	47.0	53.5	54.0	0	0	11	0	.....	0	0.09	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
18	48.0	32.0	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
19	46.0	23.0	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
20	51.0	32.0	41.5	42.0	0	0	23	0	.....	0	0.09	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
21	53.0	36.0	44.5	45.0	0	0	20	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
22	52.0	32.0	42.0	42.0	0	0	23	0	.....	0	0.18	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
23	48.0	40.0	44.0	44.0	0	0	21	0	.....	0	1.37	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
24	44.0	37.0	40.5	41.0	0	0	24	0	.....	0	0.13	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
25	41.0	29.0	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	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
27	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
28	49.0	21.0*	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
29	55.0	32.0	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
30	62.0	31.0	46.5	47.0	0	0	18	0	.....	0	T	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
31	60.0	45.0	52.5	53.0	0	0	12	0	.....	0	0.02	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:													---
1687	1049					637	0			3.82	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				
54.4	33.8	44.1	44.5	0	0.0	----	----	≥.01 inch 14		35.92	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			849	452	Thunder	0	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	0.00	-	T	4+	0		-									
0	0	16	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.