

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

December 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		11	12	13	14	15	16	17	18	19	20	21	22	23	
1	24.0	11.0	17.5	18.0	0	0	47	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
2	35.0	11.0	23.0	23.0	0	0	42	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
3	38.0	32.0	35.0	35.0	0	0	30	0	.....	0	0.26	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
4	40.0	35.0	37.5	38.0	0	0	27	0	.....	0	0.08	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
5	57.0*	38.0	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
6	57.0	41.0	49.0*	49.0	0	0	16	0	.....	0	0.07	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
7	42.0	31.0	36.5	37.0	0	0	28	0	.....	0	0.03	0.1	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
8	35.0	30.0	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
9	41.0	28.0	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
10	49.0	26.0	37.5	38.0	0	0	27	0	.....	0	0.19	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
11																							
12	39.0	24.0	31.5	32.0	0	0	33	0	.....	0	0.15	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
13	37.0	23.0	30.0	30.0	0	0	35	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
14	37.0	31.0	34.0	34.0	0	0	31	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
15	41.0	32.0	36.5	37.0	0	0	28	0	.....	0	0.04	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
16	43.0	35.0	39.0	39.0	0	0	26	0	.....	0	0.12	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
17	36.0	28.0	32.0	32.0	0	0	33	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
18	29.0	12.0	20.5	21.0	0	0	44	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
19	27.0	7.0	17.0	17.0	0	0	48	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
20	40.0	11.0	25.5	26.0	0	0	39	0	.....	0	0.57	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
21	41.0	27.0	34.0	34.0	0	0	31	0	.....	0	0.08	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
22	30.0	21.0	25.5	26.0	0	0	39	0	.....	0	0.01	0.3	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
23	29.0	16.0	22.5	23.0	0	0	42	0	.....	0	T	0.2	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
24	18.0	6.0	12.0	12.0	0	0	53	0	.....	0	T	0.1	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
25	20.0	0.0	10.0	10.0	0	0	55	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
26	30.0	20.0	25.0	25.0	0	0	40	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
27	27.0	10.0	18.5	19.0	0	0	46	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
28	20.0	3.0	11.5	12.0	0	0	53	0	.....	0	0.01	0.1	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
29	22.0	9.0	15.5	16.0	0	0	49	0	.....	0	0.01	0.2	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
30	36.0	7.0	21.5	22.0	0	0	43	0	.....	0	0.11	1.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
31	19.0	-5.0*	7.0*	7.0	0	0	58	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
Sum	Sum	-----	-----	---	----		Ttl	Ttl															---
1039	600						1122	0	Number of Days			1.73	2.5	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				
34.6	20.0	27.3	27.6	0	0.0	----	----		≥.01 inch	14	41.00	12.8	1+	1+	-----	----	----	---	1+	1+			
Number of Days							Season to Date	Snow, Ice ≥1.0 inch	1	Greatest in 24 Hours and Dates					Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date								
Max Temperature			Min Temperature			2655	452	Thunder	0	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----			Heavy Fog	0	0.00	-	1.5	30	0			-						
0	12	26	2	----	----			Clear	30	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.