

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

December 1998

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	58.0	33.0	45.5	46.0	0	0	19	0	.....	0	0.09	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
2	51.0	38.0	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
3	50.0	39.0	44.5	45.0	0	0	20	0	.....	0	0.04	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
4	56.0	30.0	43.0	43.0	0	0	22	0	.....	0	0.01	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
5	40.0	24.0	32.0	32.0	0	0	33	0	.....	0	0.03	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
6	60.0	36.0	48.0*	48.0	0	0	17	0	.....	0	0.01	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
7	63.0*	29.0	46.0	46.0	0	0	19	0	.....	0	0.02	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
8	34.0	22.0	28.0	28.0	0	0	37	0	.....	0	0.07	1.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
9	38.0	28.0	33.0	33.0	0	0	32	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
10	41.0	22.0	31.5	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
11	39.0	24.0	31.5	32.0	0	0	33	0	.....	0	0.07	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
12	42.0	21.0	31.5	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	42.0	29.0	35.5	36.0	0	0	29	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
14	33.0	23.0	28.0	28.0	0	0	37	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
15	45.0	25.0	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
16	40.0	33.0	36.5	37.0	0	0	28	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
17	34.0	29.0	31.5	32.0	0	0	33	0	...4.....	0	0.09	1.8	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
18	29.0	10.0	19.5	20.0	0	0	45	0	...4.....	0	0.01	0.6	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
19	37.0	12.0	24.5	25.0	0	0	40	0	...4.....	0	0.09	0.7	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
20	38.0	22.0	30.0	30.0	0	0	35	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
21	46.0	24.0	35.0	35.0	0	0	30	0	.....	0	0.18	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
22	51.0	12.0	31.5	32.0	0	0	33	0	.....	0	0.31	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
23	21.0	6.0	13.5	14.0	0	0	51	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
24	29.0	13.0	21.0	21.0	0	0	44	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
25	30.0	19.0	24.5	25.0	0	0	40	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
26																							
27	35.0	15.0	25.0	25.0	0	0	40	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
28	40.0	25.0	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
29	38.0	15.0	26.5	27.0	0	0	38	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
30	37.0	-2.0	17.5	18.0	0	0	47	0	...4.....	0	0.30	3.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
31	11.0	-11.0*	0.0*	0.0	0	0	65	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
Sum	Sum	-----	-----	---	----		Ttl	Ttl															---
1208	645						1015	0	Number of Days			1.32	7.6	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				
40.3	21.5	30.9	31.2	0	0.0	----	----		≥.01 inch	14	56.04	9.6	1+	1+	-----	----	----	---	1+	1+			
Number of Days							Season to Date	Snow, Ice ≥1.0 inch	3	Greatest in 24 Hours and Dates					Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date								
Max Temperature			Min Temperature			2531	318	Thunder	0	Precipitation		Snow, Ice Plts											
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----			Heavy Fog	0	0.00	-	3.5	30	0					-				
0	5	25	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.