

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

January 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 pt 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	16.0	-10.0	3.0	3.0	0	0	62	0	.....	0	0.08	2.3	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
2	8.0	-12.0	-2.0	-2.0	0	0	67	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
3	38.0	7.0	22.5	23.0	0	0	42	0	...4.6...	0	0.58	1.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
4	33.0	13.0	23.0	23.0	0	0	42	0	.....	0	0.03	0.4	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
5	18.0	-3.0	7.5	8.0	0	0	57	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
6	24.0	1.0	12.5	13.0	0	0	52	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
7	24.0	3.0	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
8	24.0	0.0	12.0	12.0	0	0	53	0	.....	0	0.26	3.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
9	28.0	16.0	22.0	22.0	0	0	43	0	.....	0	0.91	9.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
10	17.0	-1.0	8.0	8.0	0	0	57	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
11	21.0	-8.0	6.5	7.0	0	0	58	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
12	28.0	-4.0	12.0	12.0	0	0	53	0	.....	0	0.07	1.3	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
13	16.0	-14.0	1.0	1.0	0	0	64	0	.....	0	0.28	3.4	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
14	5.0	-27.0*	-11.0*	-11.0	0	0	76	0	.....	0	0.08	1.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
15	33.0	3.0	18.0	18.0	0	0	47	0	...4.6...	0	0.89	4.7	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
16	32.0	12.0	22.0	22.0	0	0	43	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
17	41.0	27.0	34.0	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
18	48.0	20.0	34.0	34.0	0	0	31	0	.....	0	0.19	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
19	39.0	34.0	36.5	37.0	0	0	28	0	.....	0	0.06	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
20	37.0	30.0	33.5	34.0	0	0	31	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
21	40.0	27.0	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
22	36.0	24.0	30.0	30.0	0	0	35	0	...4.6...	0	0.16	0.1	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
23	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
24	53.0	35.0	44.0	44.0	0	0	21	0	.....	0	0.68	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
25	36.0	16.0	26.0	26.0	0	0	39	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
26	32.0	10.0	21.0	21.0	0	0	44	0	.....	0	0.03	0.7	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
27	35.0	24.0	29.5	30.0	0	0	35	0	.....	0	0.03	0.3	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
28	24.0	13.0	18.5	19.0	0	0	46	0	.....	0	0.23	4.4	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
29	16.0	3.0	9.5	10.0	0	0	55	0	.....	0	0.05	0.7	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
30	20.0	-4.0	8.0	8.0	0	0	57	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
31	21.0	-13.0	4.0	4.0	0	0	61	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
Sum	Sum	-----	-----	---	----		Ttl	Ttl								For the month:						---	
	896	258					1432	0	Number of Days		4.61	34.3	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			
	28.9	8.3	18.6	18.8	0	0.0	----	----	≥.01 inch	17	4.61	43.9	1+	1+	-----	----	----	---	1+	1+			
Number of Days							Season to Date	Snow, Ice ≥1.0 inch	9	Greatest in 24 Hours and Dates					Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date								
Max Temperature			Min Temperature			3963	0	Thunder	0	Precipitation		Snow, Ice Plts											
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	0.00	-	9.5	9	0					-						
0	18	28	11	----	----	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.