

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

January 1997

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	13.0	-11.0	1.0	1.0	0	0	64	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
2	27.0	12.0	19.5	20.0	0	0	45	0	...4.6...	0	0.06	0.6	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
3	32.0	23.0	27.5	28.0	0	0	37	0	...4.6...	0	0.17	0.6	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
4	34.0	24.0	29.0	29.0	0	0	36	0	.....	0	0.01	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
5	45.0*	32.0	38.5*	39.0	0	0	26	0	.....	0	0.19	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
6	39.0	27.0	33.0	33.0	0	0	32	0	...4.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
7	28.0	16.0	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
8	17.0	8.0	12.5	13.0	0	0	52	0	...4.....	0	0.06	1.7	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
9	23.0	8.0	15.5	16.0	0	0	49	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
10	33.0	19.0	26.0	26.0	0	0	39	0	...4.....	0	0.50	9.4	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
11	28.0	14.0	21.0	21.0	0	0	44	0	...4.....	0	0.02	0.3	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
12	26.0	15.0	20.5	21.0	0	0	44	0	...4.....	0	0.08	3.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
13	29.0	6.0	17.5	18.0	0	0	47	0	...4.....	0	0.11	4.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
14	30.0	3.0	16.5	17.0	0	0	48	0	...4.....	0	0.01	0.2	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
15	33.0	25.0	29.0	29.0	0	0	36	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
16	39.0	21.0	30.0	30.0	0	0	35	0	...4.....	0	0.07	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
17	21.0	-8.0	6.5	7.0	0	0	58	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
18	8.0	-23.0	-7.5	-8.0	0	0	73	0	...4.....	0	0.02	0.3	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
19	13.0	-29.0*	-8.0*	-8.0	0	0	73	0	...4.....	0	0.01	0.1	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
20	24.0	12.0	18.0	18.0	0	0	47	0	...4.....	0	0.10	3.1	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
21	24.0	6.0	15.0	15.0	0	0	50	0	...4.....	0	0.02	0.7	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
22	42.0	10.0	26.0	26.0	0	0	39	0	...6.....	0	0.01	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
23	43.0	7.0	25.0	25.0	0	0	40	0	...4.....	0	0.10	0.3	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
24	24.0	-4.0	10.0	10.0	0	0	55	0	...4.....	0	0.03	0.3	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
25	43.0	24.0	33.5	34.0	0	0	31	0	.....	0	0.21	2.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
26	32.0	0.0	16.0	16.0	0	0	49	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
27	20.0	-7.0	6.5	7.0	0	0	58	0	...4.....	0	0.04	1.2	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
28	33.0	8.0	20.5	21.0	0	0	44	0	...4.....	0	0.13	1.8	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
29	33.0	-7.0	13.0	13.0	0	0	52	0	...4.....	0	0.03	0.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
30	12.0	-12.0	0.0	0.0	0	0	65	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
31	38.0	11.0	24.5	25.0	0	0	40	0	...4.....	0	0.07	0.8	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
Sum	Sum	-----	-----	---	----		Ttl	Ttl															---
	886	230					1451	0	Number of Days		2.05	31.9	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				
	28.6	7.4	18.0	18.2	0	0.0	----	----	≥.01 inch	23	2.05	66.7	1+	1+	-----	----	----	---	1+	1+			
Number of Days							Season to Date	Snow, Ice ≥1.0 inch	8	Greatest in 24 Hours and Dates					Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date								
Max Temperature			Min Temperature			4181	0	Thunder	0	Precipitation		Snow, Ice Plts											
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	0.00	-	9.4	10	0					-						
0	19	31	9	----	----	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.