

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

December 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		11	12	13	14	15	16	17	18	19	20	21	22	23	
1	34.0	23.0	28.5	29.0	0	0	36	0	...4.....	0	0.34	4.6	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
2	29.0	21.0	25.0	25.0	0	0	40	0	.....	0	0.18	3.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
3	34.0	13.0	23.5	24.0	0	0	41	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
4	35.0	26.0	30.5	31.0	0	0	34	0	.....	0	0.01	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
5	37.0	32.0	34.5	35.0	0	0	30	0	...4.....	0	0.56	3.9	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
6	36.0	27.0	31.5	32.0	0	0	33	0	...4.....	0	0.34	2.4	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
7	36.0	27.0	31.5	32.0	0	0	33	0	...4.....	0	0.19	1.9	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
8	32.0	10.0	21.0	21.0	0	0	44	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
9	29.0	2.0	15.5	16.0	0	0	49	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
10	28.0	12.0	20.0	20.0	0	0	45	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
11	25.0	2.0	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
12	32.0	11.0	21.5	22.0	0	0	43	0	...4.....	0	0.02	0.3	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
13	33.0	28.0	30.5	31.0	0	0	34	0	...4.....	0	0.06	2.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
14	31.0	8.0	19.5	20.0	0	0	45	0	...4.....	0	0.15	1.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
15	22.0	-6.0*	8.0*	8.0	0	0	57	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
16	38.0	11.0	24.5	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
17	41.0*	25.0	33.0	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
18	39.0	18.0	28.5	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
19	37.0	14.0	25.5	26.0	0	0	39	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
20	18.0	1.0	9.5	10.0	0	0	55	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
21	22.0	-6.0	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
22																							
23	33.0	8.0	20.5	21.0	0	0	44	0	...4.....	0	0.20	2.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
24	31.0	16.0	23.5	24.0	0	0	41	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
25	37.0	17.0	27.0	27.0	0	0	38	0	.....	0	0.57	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
26	39.0	33.0	36.0*	36.0	0	0	29	0	.....	0	0.10	1.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
27																							
28	39.0	3.0	21.0	21.0	0	0	44	0	...4.....	0	0.08	0.8	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
29	35.0	1.0	18.0	18.0	0	0	47	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
30	33.0	22.0	27.5	28.0	0	0	37	0	.....	0	0.93	15.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
31	23.0	-3.0	10.0	10.0	0	0	55	0	...4.....	0	0.05	1.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0	
Sum	Sum	-----	-----	---	----		Ttl	Ttl															---
	938	396					1209	0	Number of Days		3.78	40.9	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				
	32.3	13.7	23.0	23.3	0	0.0	----	----	≥.01 inch	15	40.63	62.9	1+	1+	-----	----	----	---	1+	1+			
Number of Days							Season to Date	Snow, Ice ≥1.0 inch	11	Greatest in 24 Hours and Dates					Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date								
Max Temperature			Min Temperature			3060	206	Thunder	0	Precipitation		Snow, Ice Plts											
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	0.00	-	15.0	30	0					-						
0	12	28	3	----	----	Clear	29	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.