

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

January 2002

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	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	23.0	12.0	17.5	18.0	0	0	47	0	.....	0	0.01	0.8	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
2	30.0	12.0	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
3	35.0	20.0	27.5	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
4	25.0	9.0	17.0	17.0	0	0	48	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
5	35.0	25.0	30.0	30.0	0	0	35	0	.....	0	0.03	0.6	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
6	39.0	30.0	34.5	35.0	0	0	30	0	.....	0	0.10	0.7	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
7	31.0	11.0	21.0	21.0	0	0	44	0	.....	0	0.10	1.4	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
8	24.0	5.0*	14.5*	15.0	0	0	50	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
9	31.0	24.0	27.5	28.0	0	0	37	0	.....6..	0	0.40	3.2	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
10	39.0	31.0	35.0	35.0	0	0	30	0	.....	0	0.02	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
11	40.0	31.0	35.5	36.0	0	0	29	0	.....	0	0.12	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
12	36.0	23.0	29.5	30.0	0	0	35	0	.....	0	0.04	0.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
13	40.0	19.0	29.5	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	22.0	9.0	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
15	35.0	19.0	27.0	27.0	0	0	38	0	.....	0	0.24	3.1	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
16	32.0	13.0	22.5	23.0	0	0	42	0	.....	0	0.21	3.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
17	35.0	12.0	23.5	24.0	0	0	41	0	.....	0	0.14	3.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
18	38.0	13.0	25.5	26.0	0	0	39	0	.....	0	0.10	1.7	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
19	29.0	6.0	17.5	18.0	0	0	47	0	.....	0	T	T	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
20	32.0	15.0	23.5	24.0	0	0	41	0	.....	0	0.01	0.3	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
21	33.0	24.0	28.5	29.0	0	0	36	0	.....	0	0.01	0.2	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
22	35.0	29.0	32.0	32.0	0	0	33	0	.....	0	0.01	0.2	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
23	43.0	29.0	36.0	36.0	0	0	29	0	.....	0	T	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
24	39.0	22.0	30.5	31.0	0	0	34	0	.....	0	0.54	3.3	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
25	35.0	19.0	27.0	27.0	0	0	38	0	.....	0	0.09	1.7	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
26	43.0	27.0	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
27	46.0	27.0	36.5	37.0	0	0	28	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
28	49.0*	31.0	40.0*	40.0	0	0	25	0	.....	0	0.00	0.0	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
29	33.0	19.0	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
30	21.0	12.0	16.5	17.0	0	0	48	0	.....	0	0.19	1.5	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
31	18.0	12.0	15.0	15.0	0	0	50	0	.....	0	0.44	4.3	0.00	0.00	0.000	0.0	0.0	0	0	N	0	0
Sum	Sum	-----	-----	---	----		Ttl	Ttl								For the month:						---	
1046	590						1188	0	Number of Days		2.80	30.0	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			
33.7	19.0	26.4	26.7	0	0.0	----	----		≥.01 inch	19	2.80	52.0	1+	1+	-----	----	----	---	1+	1+			
Number of Days							Season to Date	Snow, Ice ≥1.0 inch	10	Greatest in 24 Hours and Dates					Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date								
Max Temperature			Min Temperature			3446	0	Thunder	0	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----			Heavy Fog	0	0.00	-	4.3	31	0			-						
0	12	31	0	----	----			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.