

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

March 2008

Station: Westford
 Latitude: 44° 37' 39" N Longitude: 73° 02' 29" W Elevation (Ground): 850 feet Time Zone: Eastern

Date	Temperature					Humidity	Deg. Days		Precip Ty 1 fog 2 hv fog 3 thunder 4 ice plt 5 hail 6 glaze 7 dustsm 8 smk, hz 9 blw snw	Snow Cvr	Precip		Pressure Adj. to Sea Level			Wind						Sun		
	Maximum	Minimum	Average	Mean	Dew Point		Mean	Heating Base 65°F			Cooling Base 65°F	Water Equivalent	Ice Pellets Snow	Maximum	Minimum	Mean	Avg	Res	Res	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	36.8	18.8	27.8	25.5	20	79	37	0	.....	13	0.09	1.1	30.15	29.79	29.897	5.8	2.8	206	23	WNW	14	161	
2	27.6	12.7	20.2	19.5	11	69	44	0	.....	13	0.00	0.0	30.29	29.94	30.179	4.6	4.5	310	22	WNW	14	295	
3	45.8	12.7	29.2	34.9	21	56	35	0	.....6..	11	0.02	0.0	30.26	29.71	29.966	11.6	11.6	188	40	SSW	22	192	
4	47.0	23.5	35.3	35.4	27	70	29	0	.....	8	0.00	0.0	30.07	29.64	29.917	6.1	2.6	250	29	S	17	192	
5	39.3	23.4	31.3	30.8	26	83	34	0	...4.6...	8	0.73	0.0	29.99	29.34	29.633	6.7	4.0	242	36	W	20	276		
6	40.9	14.3	27.6	29.0	18	65	37	0	.....	8	0.00	0.0	30.24	29.97	30.130	2.1	2.0	199	13	S	8	201	
7	49.0*	23.8	36.4	35.7	24	64	28	0	.....	7	0.14	0.3	30.30	29.85	30.142	1.2	1.0	192	14	S	9	165	
8	34.5	24.9	29.7	30.6	29	93	35	0	...4.6...	8	1.33	1.1	29.86	29.02	29.591	0.0	0.0	0	0	WNW	0	307		
9	32.4	12.9	22.7	17.8	13	81	42	0	.....	10	0.12	1.0	30.26	29.07	29.830	0.0	0.0	0	0	NE	0	42	
10	24.9	10.4	17.6*	16.2	10	76	47	0	.....	10	0.00	0.0	30.35	30.19	30.275	0.0	0.0	0	0	WSW	0	259	
11	31.9	11.2	21.5	21.8	15	75	43	0	.....	10	0.00	0.0	30.19	29.75	30.024	0.0	0.0	0	0	W	0	263	
12	32.4	19.7	26.1	27.9	23	80	39	0	.....	10	0.06	T	29.91	29.58	29.683	3.3	3.1	309	26	NW	15	306	
13	30.0	5.3*	17.7	19.2	9	66	47	0	.....	0	0.02	0.2	30.07	29.80	29.939	1.0	0.4	238	13	N	6	178	
14	40.9	25.6	33.3	32.7	25	74	31	0	.....	8	0.00	0.0	29.85	29.74	29.803	2.0	1.2	218	15	S	10	204	
15	41.0	29.2	35.1	34.8	31	85	30	0	.....	8	0.00	T	29.82	29.71	29.739	1.9	1.6	200	15	SSW	11	200	
16	33.2	22.1	27.7	30.4	26	83	37	0	.....	8	0.04	T	30.31	29.81	30.008	3.5	3.4	326	22	NW	13	307	
17	28.6	15.9	22.3	20.9	9	61	42	0	.....	8	T	T	30.60	30.31	30.523	3.4	3.3	336	23	NW	11	309	
18	41.4	12.1	26.8	28.3	11	50	38	0	.....	7	0.00	0.0	30.54	30.11	30.371	2.2	2.0	194	26	S	14	186	
19	36.7	30.4	33.6	33.7	30	86	31	0	.....	9	0.25	2.0	30.11	29.43	29.767	6.3	6.3	173	24	SSW	13	173	
20	35.4	23.3	29.4	32.1	29	89	36	0	.....	11	0.77	1.8	29.72	29.37	29.503	4.3	4.3	309	32	W	20	289	
21	26.2	12.7	19.5	20.0	7	59	45	0	.....	11	T	T	29.89	29.71	29.830	13.1	13.0	293	33	W	22	300	
22	30.3	12.8	21.5	22.0	4	45	43	0	.....	11	0.00	0.0	29.96	29.84	29.879	7.5	7.2	284	23	W	15	298	
23	26.1	11.8	19.0	19.2	-0	42	46	0	.....	11	0.00	0.0	30.22	29.96	30.114	3.7	3.3	317	21	W	13	289	
24	29.5	10.0	19.8	19.4	6	57	45	0	.....	10	T	T	30.31	30.19	30.261	1.9	1.0	297	11	WNW	8	285	
25	38.4	7.7	23.1	25.7	9	50	42	0	.....	10	0.00	0.0	30.32	29.86	30.153	5.6	5.6	195	33	S	21	189	
26	42.0	31.2	36.6*	36.6	25	64	28	0	.....	9	T	0.0	30.00	29.75	29.850	9.3	8.1	215	37	SSW	21	187	
27	42.1	26.6	34.3	34.5	21	58	30	0	.....	8	0.00	0.0	30.01	29.92	29.970	4.2	2.7	206	21	SSW	14	185	
28	33.4	21.0	27.2	28.9	23	78	38	0	.....	11	0.25	3.0	30.10	29.90	29.963	1.6	1.2	336	14	WSW	7	247	
29	25.5	11.5	18.5	20.1	6	56	46	0	.....	9	0.00	0.0	30.58	30.10	30.358	5.5	5.3	310	25	W	16	281	
30	40.6	13.0	26.8	27.7	10	49	38	0	.....	8	0.00	0.0	30.74	30.55	30.646	1.3	0.7	285	10	WNW	6	296	
31	42.0	28.0	35.0	35.1	25	71	30	0	.....	8	0.03	0.0	30.55	30.01	30.319	8.9	8.9	188	33	S	21	193	
Sum	Sum	-----	-----	---	----		Ttl	Ttl					For the month:						---					
1106	559						1173	0	Number of Days				3.85	10.5	30.74	29.02	30.008	4.1	2.1	245	40	SSW	22	192
Avg	Avg	Avg	Mean	Avg	Avg	----	----		Precip				Season Ttl	Date	Date	-----	----	----		Date	Date		Avg	
35.7	18.0	26.8	27.3	17	68.2	----	----		≥.01 inch	13			9.64	120.6	30	8	-----	----	----		3	3		
Number of Days							Season to Date	Snow, Ice ≥1.0 inch	6	Greatest in 24 Hours and Dates						Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date								
Max Temperature			Min Temperature			6590	0	Thunder	0	Precipitation			Snow, Ice Plts											
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----			Heavy Fog	0	0.03	31	3.0	28				13			1+				
0	12	31	0	----	----			Clear	6	Partly Cloudy		12	Cloudy	13										

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.

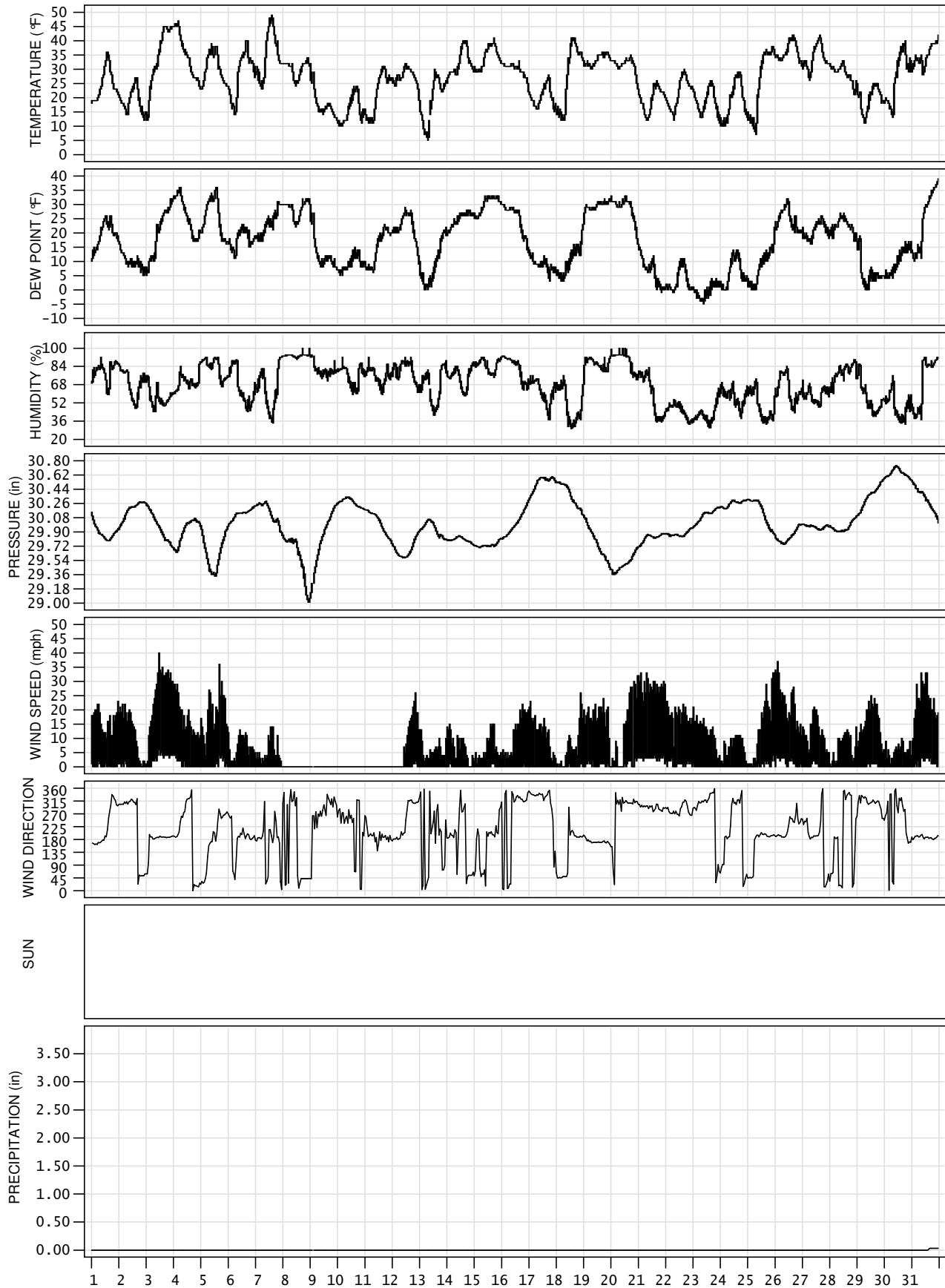
HOURLY PRECIPITATION (Water Equivalent) March 2008: Westford

Date	A.M. Hour Ending at												P.M. Hour Ending at												Date
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	
01																								01	
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28																									28
29																									29
30																									30
31															0.02	0.01									31
Sum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Sum

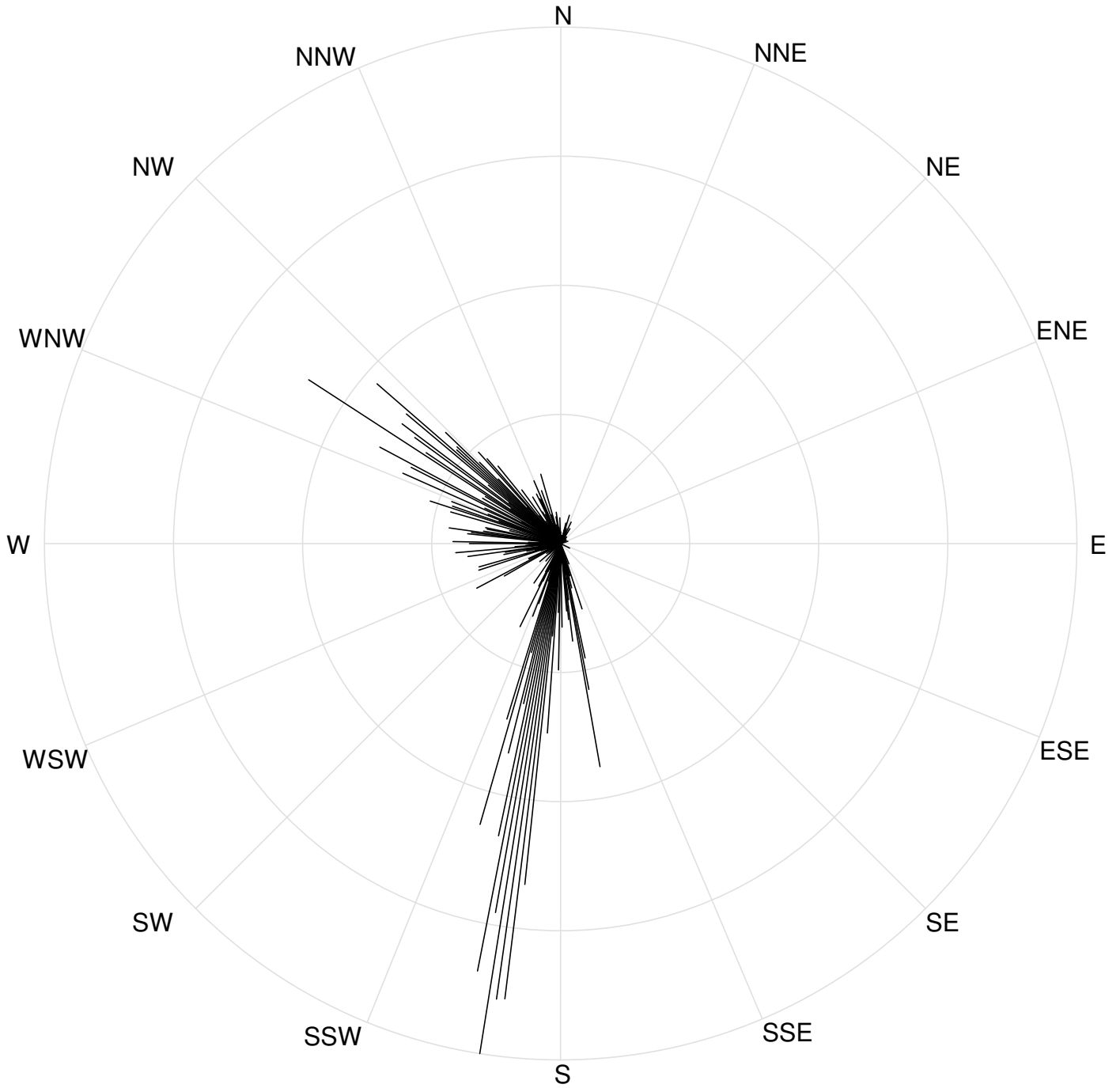
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

HOUR-BY-HOUR DATA

March 2008: Westford



Wind Rose: March 2008
Westford



Maximum direction of wind: 118.1 miles from 189°.
3086.7 total miles of wind.