

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

January 2004

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 hvy fog 3 thunder 4 ice plt 5 hail 6 glaze 7 duststm 8 smk, hz 9 blw snw	Snow Cvr	Precip		Pressure			Wind						Sun			
	Maximum	Minimum	Average	Mean	Dew Point		Mean	Heating			Cooling	Water Equivalent	Ice Pellets Snow	Adj. to Sea Level			Avg	Res	Res	Peak			Minute		Mean Index
														Maximum	Minimum	Mean				Speed	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	31.9	14.8	23.3	26.9	19	73	42	0	.....	0	T	T	30.33	29.92	30.182	4.2	3.7	292	21	WNW	6	347		
2	34.4	14.4	24.4	23.0	20	88	41	0	.....	0	0.12	1.5	30.29	30.03	30.131	0.6	0.1	181	14	SSE	0	0		
3	43.1	33.1	38.1*	38.8	37	94	27	0	.....	0	0.13	0.0	30.02	29.67	29.810	6.7	5.9	179	28	S	4	210		
4	46.0	24.1	35.1	32.7	23	69	30	0	.....	0	0.00	0.0	30.10	29.77	29.946	3.9	2.8	279	25	SW	0	0		
5	24.1	18.4	21.3	20.4	15	80	44	0	.....	0	0.08	0.8	30.04	29.77	29.907	0.8	0.2	274	14	WSW	0	0		
6	25.7	7.9	16.8	17.7	10	71	49	0	.....	0	0.04	0.8	29.98	29.81	29.886	4.8	4.0	268	22	W	2	280		
7	14.3	-5.4	4.5	8.9	-4	56	61	0	.....	7	0.02	0.3	30.13	29.89	29.962	7.3	6.3	270	28	WNW	0	0		
8	-3.5	-14.0	-8.8	-8.8	-23	50	73	0	.....	7	0.00	0.0	30.35	30.13	30.273	3.5	3.4	312	22	NW	0	0		
9	-8.4	-17.2	-12.8	-13.3	-23	61	77	0	.....	7	0.00	0.0	30.48	30.33	30.431	1.2	1.2	343	12	NW	2	312		
10	-3.5	-15.6	-9.6	-10.9	-20	62	74	0	.....	7	0.00	0.0	30.47	30.37	30.423	0.8	0.7	327	10	NNW	0	0		
11	17.2	-15.3	1.0	2.9	-5	69	65	0	.....	8	0.04	1.0	30.37	29.89	30.131	8.3	8.2	184	34	S	0	0		
12	21.3	5.4	13.3	13.6	9	83	52	0	.....	9	0.12	1.5	29.97	29.82	29.880	3.1	2.7	205	18	SSW	2	204		
13	23.0	-15.3	3.8	5.4	-3	70	62	0	.....	10	0.10	1.5	30.15	29.58	29.854	7.5	4.5	278	30	NW	0	0		
14	-10.5	-20.5	-15.5	-16.4	-29	52	80	0	.....	10	0.00	0.0	30.23	30.03	30.147	3.1	3.1	304	24	NW	0	0		
15	-11.2	-24.9	-18.0*	-16.6	-28	56	83	0	.....	10	0.00	0.0	30.02	29.75	29.927	4.4	4.2	305	30	WNW	11	293		
16	3.4	-15.6	-6.1	-5.1	-13	69	71	0	.....	11	0.20	2.3	29.95	29.72	29.826	5.7	5.2	284	28	WNW	0	0		
17	14.6	-7.2	3.7	5.8	-2	69	62	0	.....	11	T	T	30.12	29.80	30.000	0.7	0.4	253	12	NW	0	0		
18	27.9	11.1	19.5	20.0	15	81	46	0	.....	12	0.07	1.5	29.79	29.34	29.462	3.7	2.3	197	21	S	7	169		
19	16.5	6.7	11.6	9.7	1	69	54	0	.....	12	0.10	3.0	29.69	29.35	29.517	6.1	5.7	259	21	W	0	0		
20	9.7	3.7	6.7	7.1	-0	72	59	0	.....	13	0.04	2.0	30.02	29.70	29.850	4.7	4.2	291	19	WNW	0	0		
21	14.9	2.4	8.6	7.1	-1	68	57	0	.....	12	T	T	30.12	29.85	30.027	0.6	0.5	334	12	SSE	0	0		
22	22.9	5.0	13.9	14.7	5	67	52	0	.....	13	0.04	1.3	29.85	29.42	29.599	7.6	5.9	206	33	S	0	0		
23	5.0	-8.4	-1.7	-1.1	-14	54	66	0	.....	12	0.00	0.0	29.83	29.64	29.752	4.4	4.2	282	25	W	0	0		
24	-2.0	-13.0	-7.5	-7.7	-20	55	72	0	.....	12	0.00	0.0	30.10	29.79	29.879	3.4	3.2	298	19	WNW	6	315		
25	2.0	-18.7	-8.4	-9.5	-22	54	73	0	.....	12	0.00	0.0	30.37	30.11	30.275	1.8	1.4	279	16	WNW	0	0		
26	1.5	-12.5	-5.5	-7.2	-20	55	70	0	.....	12	0.00	0.0	30.53	30.37	30.458	0.5	0.5	338	8	N	0	0		
27	9.7	-12.2	-1.3	-0.9	-13	56	66	0	.....	12	0.00	0.0	30.41	29.68	30.073	0.2	0.2	347	5	NNW	0	0		
28	14.6	3.9	9.3	9.1	2	74	56	0	.....	14	0.14	4.2	29.69	29.52	29.582	0.8	0.3	284	10	WSW	0	0		
29	15.4	5.8	10.6	11.4	0	61	55	0	.....	15	0.00	0.0	29.64	29.54	29.587	6.0	5.6	258	25	WNW	6	321		
30	9.7	-0.2	4.7	4.7	-4	67	61	0	.....	14	0.03	0.5	29.59	29.41	29.500	2.6	2.1	288	22	WSW	0	0		
31	10.2	-1.0	4.6	5.1	-3	68	61	0	.....	14	0.01	0.3	30.08	29.54	29.792	2.4	2.2	280	14	WNW	4	258		
Sum	Sum	-----	-----	---	----	Ttl	Ttl						For the month:						---						
420	-60					1841	0	Number of Days		1.28	22.5	30.53	29.34	29.938	3.6	2.2	262	34	S	11	293				
Avg	Avg	Avg	Mean	Avg	Avg	----	----	Precip		Season Ttl	Date	Date	-----	----	----	----	----	Date	Date	Avg					
13.5	-1.9	5.8	6.1	-3	66.8	----	----	>.01 inch	16	1.28	96.6	26	18	-----	----	----	----	11	15						
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				4869	0	Thunder	0	Precipitation		Snow, Ice Plts											
> 90°F	< 32°F	< 32°F	< 0°F	----	----	Heavy Fog	0	0.00	-	4.2	28	15			29										
0	28	30	17	----	----	Clear	8	Partly Cloudy	6	Cloudy	17														

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.

OBSERVATIONS AT 3-HOUR INTERVALS

January 2004: Westford

Hour	Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Wind			Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Wind			Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Wind																																																																																																																																																																																																									
						Humidity	Direction	Speed						Humidity	Direction	Speed						Humidity	Direction	Speed																																																																																																																																																																																																							
JAN 01																								JAN 02																								JAN 03																																																																																																																																																																															
01		29.95	0.00	31	23	70	27	8	17		30.27	0.00	16	13	86	04	1	3		30.00	0.00	34	31	89	15	5	7	04		30.02	0.00	31	22	68	27	8	17		30.23	0.00	15	12	87	00	0	0		29.88	0.00	37	34	88	13	4	6	07		30.11	0.00	32	22	68	27	6	9		30.17	0.00	19	14	83	02	0	2		29.83	0.00	34	32	90	20	3	3	10		30.21	0.00	30	26	84	33	6	16		30.14	0.00	21	18	90	02	1	3		29.78	0.00	39	37	92	18	13	24	13		30.23	0.00	28	20	73	31	6	13		30.07	0.00	25	22	88	04	1	3		29.67	0.00	41	39	94	18	10	18	16		30.26	0.00	26	16	64	29	2	7		30.07	0.00	30	27	89	20	2	3		29.75	0.00	41	40	95	20	4	8	19		30.31	0.00	21	15	77	04	0	2		30.08	0.00	28	26	92	00	0	0		29.75	0.00	43	42	96	18	8	14	22		30.32	0.00	19	14	81	02	0	1		30.06	0.00	29	27	91	20	0	1		29.78	0.00	42	42	99	20	5	12
JAN 04																								JAN 05																								JAN 06																																																																																																																																																																															
01		29.78	0.00	42	40	91	18	5	7		30.02	0.00	23	15	71	33	0	2		29.83	0.00	19	15	87	31	0	1	04		29.82	0.00	43	30	59	24	7	12		30.04	0.00	22	16	76	00	0	5		29.88	0.00	17	10	73	24	6	12	07		29.86	0.00	38	25	60	27	5	8		30.00	0.00	20	14	79	33	1	5		29.89	0.00	18	9	68	24	4	7	10		29.95	0.00	33	25	72	31	5	14		29.98	0.00	21	14	76	00	0	0		29.89	0.00	20	10	64	27	12	21	13		29.98	0.00	30	22	73	31	5	11		29.86	0.00	20	14	76	33	1	3		29.81	0.00	25	9	49	22	10	17	16		30.02	0.00	27	18	69	31	6	13		29.81	0.00	20	15	83	00	0	0		29.86	0.00	19	9	65	00	2	6	19		30.06	0.00	26	20	76	31	2	7		29.79	0.00	19	16	88	22	0	2		29.96	0.00	13	8	77	31	3	6	22		30.06	0.00	25	17	71	33	1	5		29.79	0.00	20	17	89	18	2	5		29.97	0.00	9	4	80	20	0	1
JAN 07																								JAN 08																								JAN 09																																																																																																																																																																															
01		29.93	0.00	13	3	64	24	6	13		30.14	0.00	-7	-21	49	31	8	14		30.33	0.00	-14	-24	61	33	1	5	04		29.92	0.00	11	-2	55	24	8	14		30.21	0.00	-9	-22	53	29	10	17		30.38	0.00	-15	-23	67	02	0	3	07		29.91	0.00	12	1	62	24	7	13		30.24	0.00	-10	-23	52	29	4	10		30.42	0.00	-17	-25	65	33	2	8	10		29.94	0.00	14	2	58	27	7	11		30.31	0.00	-8	-22	47	31	5	13		30.47	0.00	-15	-26	57	33	4	10	13		29.90	0.00	13	-6	42	27	8	13		30.27	0.00	-5	-22	41	31	4	11		30.44	0.00	-10	-23	51	31	2	6	16		29.93	0.00	10	4	79	29	1	6		30.29	0.00	-6	-23	43	33	1	4		30.44	0.00	-10	-22	54	33	1	5	19		30.01	0.00	7	-10	45	29	11	28		30.34	0.00	-12	-24	54	00	0	0		30.47	0.00	-15	-23	68	00	1	3	22		30.10	0.00	-1	-19	42	29	12	20		30.35	0.00	-12	-23	56	00	1	5		30.46	0.00	-10	-18	65	31	3	8
JAN 10																								JAN 11																								JAN 12																																																																																																																																																																															
01		30.44	0.00	-12	-21	64	33	0	3		30.36	0.00	-15	-22	68	00	0	0		29.88	0.00	18	12	78	20	7	13	04		30.45	0.00	-12	-20	66	33	1	5		30.33	0.00	-10	-17	69	20	1	3		29.84	0.00	18	15	89	20	8	14	07		30.45	0.00	-14	-22	66	33	1	5		30.28	0.00	-6	-15	64	18	8	14		29.83	0.00	17	14	88	20	6	11	10		30.45	0.00	-10	-20	60	00	2	6		30.19	0.00	1	-13	49	18	10	19		29.86	0.00	20	16	84	20	8	13	13		30.39	0.00	-6	-19	50	27	1	3		30.04	0.00	8	2	76	18	13	30		29.84	0.00	13	7	77	31	1	3	16		30.40	0.00	-5	-19	49	00	1	4		29.99	0.00	11	3	68	18	12	20		29.89	0.00	10	4	79	31	1	3	19		30.41	0.00	-11	-20	65	02	0	2		29.98	0.00	14	6	72	20	11	18		29.94	0.00	7	3	81	31	0	2	22		30.40	0.00	-15	-22	68	00	0	0		29.94	0.00	15	11	84	18	8	16		29.97	0.00	7	1	77	00	0	2
JAN 13																								JAN 14																								JAN 15																																																																																																																																																																															
01		29.93	0.00	4	-1	83	00	0	0		30.17	0.00	-17	-30	50	29	11	21		30.01	0.00	-18	-28	59	00	0	0	04		29.82	0.00	8	3	78	20	2	6		30.22	0.00	-19	-31	52	29	7	14		29.98	0.00	-22	-30	65	02	0	1	07		29.67	0.00	13	8	83	18	6	9		30.23	0.00	-21	-31	56	31	4	8		30.00	0.00	-24	-32	65	00	0	0	10		29.59	0.00	23	21	92	20	9	18		30.23	0.00	-17	-29	51	31	6	12		30.00	0.00	-15	-25	58	31	1	6	13		29.74	0.00	13	4	67	29	12	19		30.15	0.00	-12	-28	44	31	2	11		29.92	0.00	-13	-23	57	33	3	10	16		29.91	0.00	4	-7	61	31	9	20		30.10	0.00	-13	-30	42	00	0	1		29.89	0.00	-13	-29	43	29	7	15	19		30.06	0.00	-6	-20	49	31	10	22		30.07	0.00	-17	-27	57	00	0	2		29.86	0.00	-15	-30	47	29	11	21	22		30.11	0.00	-13	-25	53	31	11	22		30.05	0.00	-16	-28	54	04	0	1		29.79	0.00	-15	-25	60	29	10	26
JAN 16																								JAN 17																								JAN 18																																																																																																																																																																															
01		29.73	0.00	-16	-24	65	29	7	14		29.95	0.00	4	-2	78	24	1	2		29.74	0.00	12	4	70	06	1	3	04		29.73	0.00	-14	-22	67	29	11	21		30.02	0.00	3	-4	75	33	0	2		29.61	0.00	14	8	76	02	0	2	07		29.75	0.00	-11	-18	69	27	9	16		30.09	0.00	-5	-10	77	00	0	0		29.48	0.00	18	15	89	15	5	11	10		29.79	0.00	-6	-13	70	31	3	8		30.11	0.00	3	-5	69	02	1	5		29.44	0.00	24	21	88	18	11	18	13		29.80	0.00	-2	-9	70	27	5	11		30.03	0.00	10	-1	58	24	2	5		29.36	0.00	26	22	85	18	7	13	16		29.87	0.00	1	-8	66	29	6	11		29.99	0.00	13	-0	54	00	0	0		29.35	0.00	27	22	84	24	1	3	19		29.94	0.00	1	-6	72	22	3	7		29.95	0.00	9	0	68	18	3	7		29.37	0.00	20	14	77	00	0	0	22		29.94	0.00	3	-3	77	22	1	3		29.86	0.00	11	3	69	00	0	0		29.36	0.00	18	14	86	31	5	13

MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ended: Date	00	00	00	00	00	00	00	00	00	00	00	00
Ended: Time	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000

The precipitation amounts may occur at any time during the month. The time indicated is the ending time of the interval. Date and time are not entered for trace amounts.

OBSERVATIONS AT 3-HOUR INTERVALS

January 2004: Westford

Hour	JAN 19								JAN 20								JAN 21									
	Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Humidity	Direction	Speed	Gust	Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Humidity	Direction	Speed	Gust	Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Humidity	Direction	Speed	Gust
01	29.36	0.00	15	9	75	29	5	12	29.71	0.00	8	3	77	24	7	13	30.03	0.00	6	-2	70	31	5	11		
04	29.41	0.00	11	1	63	27	9	17	29.73	0.00	8	1	72	27	7	14	30.07	0.00	5	-2	72	00	0	0		
07	29.46	0.00	7	-3	64	24	8	16	29.80	0.00	5	-1	74	31	6	12	30.10	0.00	4	-3	75	00	0	3		
10	29.51	0.00	7	-4	60	24	7	11	29.84	0.00	5	-4	67	29	8	14	30.11	0.00	8	-1	65	00	1	2		
13	29.49	0.00	10	-2	58	22	6	14	29.83	0.00	8	-3	61	31	5	11	30.04	0.00	12	-1	55	31	1	1		
16	29.57	0.00	11	1	65	27	9	15	29.88	0.00	10	-2	59	31	3	10	30.00	0.00	12	-1	56	09	1	5		
19	29.63	0.00	9	5	81	24	4	10	29.97	0.00	8	3	80	31	5	10	29.97	0.00	5	-1	75	09	0	2		
22	29.67	0.00	9	5	83	22	5	10	30.00	0.00	7	1	77	29	7	17	29.91	0.00	7	1	74	18	0	2		
JAN 22								JAN 23								JAN 24										
01	29.83	0.00	11	1	64	20	2	6	29.66	0.00	4	-9	55	27	13	22	29.79	0.00	-6	-18	56	27	1	5		
04	29.73	0.00	10	2	69	15	2	5	29.69	0.00	2	-9	58	27	12	21	29.79	0.00	-10	-19	66	27	0	1		
07	29.64	0.00	14	6	71	18	7	14	29.73	0.00	-2	-11	64	31	1	5	29.82	0.00	-13	-20	69	00	0	0		
10	29.54	0.00	18	11	76	18	13	24	29.76	0.00	-1	-13	57	27	5	10	29.84	0.00	-7	-20	53	27	6	12		
13	29.42	0.00	22	15	73	18	10	17	29.75	0.00	2	-15	44	31	5	10	29.81	0.00	-3	-19	44	31	3	12		
16	29.50	0.00	18	12	78	29	6	12	29.76	0.00	-0	-17	44	31	3	10	29.86	0.00	-4	-19	48	31	4	11		
19	29.56	0.00	16	-2	44	24	10	22	29.83	0.00	-4	-18	52	22	2	5	30.00	0.00	-7	-21	50	31	7	13		
22	29.60	0.00	10	-7	45	24	11	20	29.81	0.00	-6	-18	56	24	0	3	30.06	0.00	-9	-23	51	29	8	16		
JAN 25								JAN 26								JAN 27										
01	30.14	0.00	-12	-24	54	31	4	10	30.38	0.00	-10	-19	65	00	0	0	30.38	0.00	-12	-20	64	00	0	0		
04	30.22	0.00	-15	-27	55	29	2	5	30.45	0.00	-10	-19	63	00	0	0	30.31	0.00	-9	-19	62	02	0	2		
07	30.26	0.00	-17	-27	59	33	0	1	30.51	0.00	-12	-19	69	00	0	0	30.24	0.00	-11	-20	64	00	0	0		
10	30.31	0.00	-10	-22	54	24	4	8	30.52	0.00	-5	-18	52	33	1	2	30.18	0.00	-2	-16	51	02	1	2		
13	30.28	0.00	-3	-22	38	27	7	12	30.49	0.00	-0	-19	40	33	3	6	30.05	0.00	7	-13	39	31	1	2		
16	30.28	0.00	2	-17	40	27	1	2	30.44	0.00	-2	-20	41	00	1	2	29.93	0.00	5	-9	51	02	0	2		
19	30.31	0.00	-8	-19	58	00	0	0	30.46	0.00	-8	-21	52	00	0	0	29.85	0.00	3	-8	59	00	0	0		
22	30.34	0.00	-8	-19	59	00	0	0	30.41	0.00	-9	-22	52	00	0	0	29.73	0.00	6	-4	64	00	0	0		
JAN 28								JAN 29								JAN 30										
01	29.68	0.00	4	-5	64	00	0	0	29.57	0.00	14	11	86	20	3	6	29.57	0.00	5	-5	63	31	4	8		
04	29.60	0.00	5	-2	72	00	0	1	29.56	0.00	14	6	70	24	3	7	29.53	0.00	3	-6	67	31	4	7		
07	29.58	0.00	6	-1	75	00	0	0	29.58	0.00	10	1	67	24	7	15	29.52	0.00	3	-6	63	27	6	12		
10	29.55	0.00	9	2	74	18	0	2	29.59	0.00	11	-1	58	24	10	19	29.49	0.00	6	-5	59	31	3	7		
13	29.53	0.00	13	3	62	02	1	3	29.56	0.00	14	-4	44	24	12	21	29.41	0.00	9	-0	65	24	2	5		
16	29.53	0.00	12	5	73	31	1	2	29.58	0.00	14	-3	45	29	8	14	29.44	0.00	7	1	74	00	1	5		
19	29.60	0.00	11	5	79	00	0	1	29.63	0.00	11	-2	55	24	8	14	29.51	0.00	4	-4	68	31	3	8		
22	29.60	0.00	14	10	82	27	1	5	29.62	0.00	6	-5	59	31	3	10	29.53	0.00	1	-5	76	00	0	1		
JAN 31																										
01	29.54	0.00	-1	-7	74	00	0	0																		
04	29.61	0.00	1	-7	69	00	0	0																		
07	29.70	0.00	2	-7	64	29	4	10																		
10	29.77	0.00	5	-4	65	27	4	8																		
13	29.79	0.00	8	-3	58	27	5	11																		
16	29.85	0.00	9	1	68	31	4	8																		
19	29.96	0.00	8	1	74	29	2	6																		
22	30.04	0.00	6	-2	71	24	2	4																		

WEATHER NOTES

SUMMARY BY HOUR

NOTES:

Units are: Temperature=°F, Wind=mph, Pressure=inches Hg, Precipitation=inches.
 Wind Direction: Directions are those from which the wind is blowing, indicated in tens of degrees from true north: i.e., 09 for East, 18 for South, 27 for West, and 00 or 36 for North.
 Wind Speed: The observed one-minute average speed in miles-per-hour.
 Wind Gust: The maximum instantaneous wind speed for the 10-minute period preceding the observation.
 Rainfall Rate: The instantaneous rainfall rate at the time of observation, calculated by timing consecutive 0.01" pulses from the electronic rain gauge and interpolating this rate for one hour.

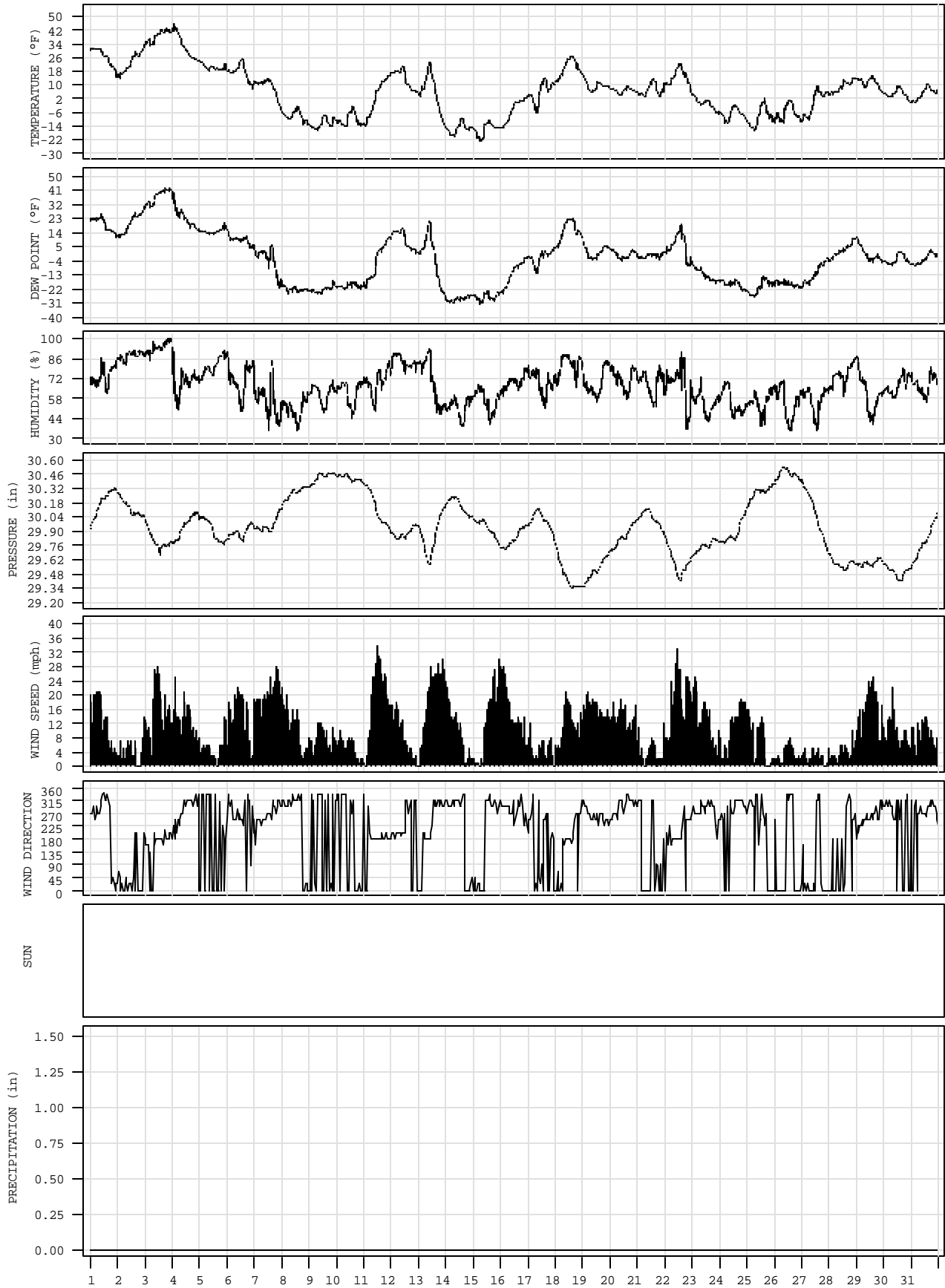
Hour	Averages						Resultant wind	
	Sunshine	Pressure	Temperature	Dew Point	Humidity	Wind Speed	Direction	Speed
01	29.939	5	-3	69	3.4	27	2.3	
04	29.937	4	-4	68	3.6	26	2.9	
07	29.940	3	-4	70	3.5	25	2.4	
10	29.947	7	-2	66	5.4	25	3.0	
13	29.902	10	-2	60	5.0	26	3.0	
16	29.918	9	-1	62	3.2	29	2.1	
19	29.955	6	-3	67	3.4	27	2.3	
22	29.955	5	-3	69	3.1	28	2.2	

HOURLY PRECIPITATION (Water Equivalent)
January 2004: Westford

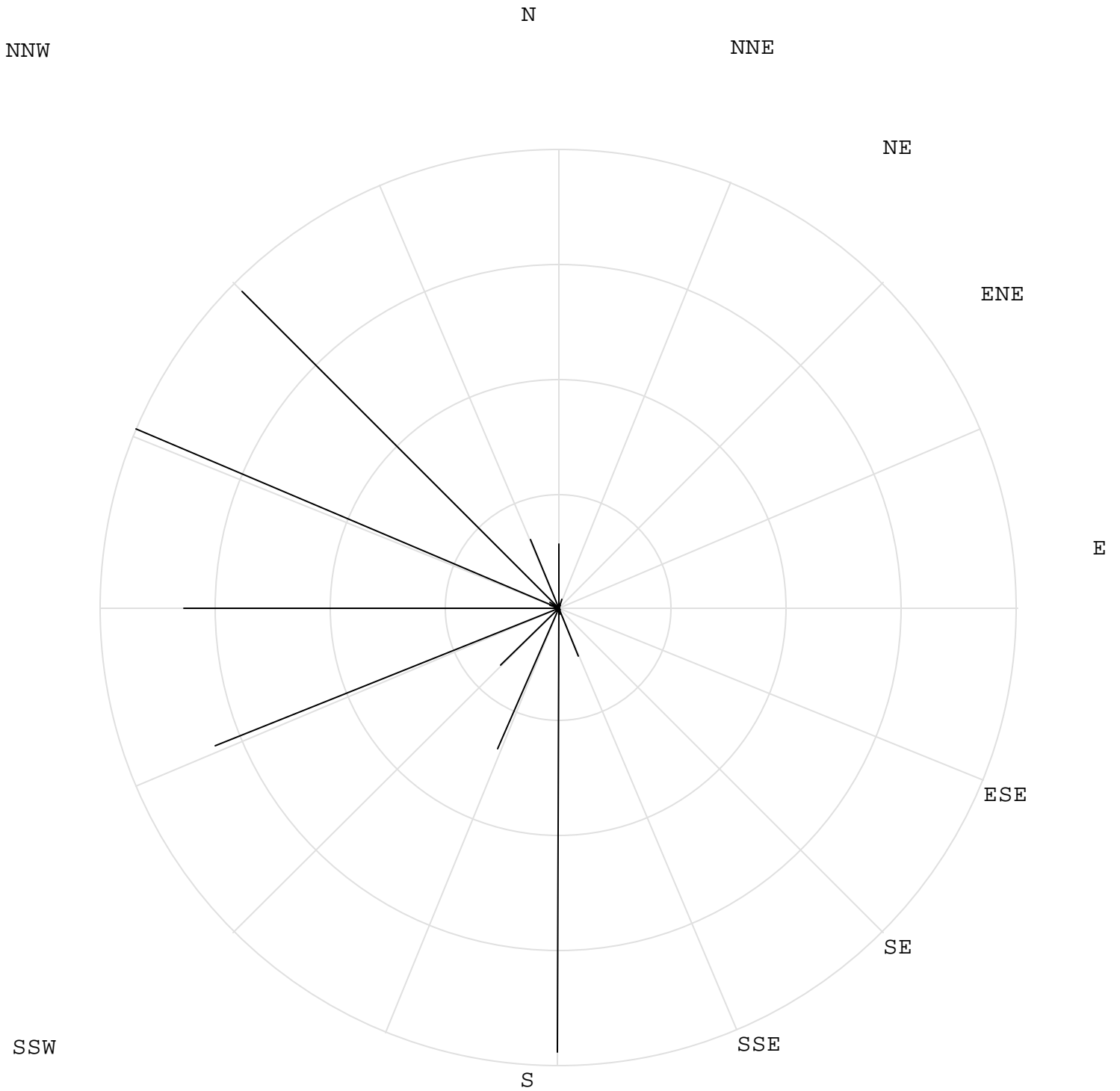
Date	A.M. Hour Ending at												P.M. Hour Ending at												Date
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	
01																								01	
02																									02
03																									03
04																									04
05																									05
06																									06
07																									07
08																									08
09																									09
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25																									25
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27																									27
28																									28
29																									29
30																									30
31																									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	0.00	0.00	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.)

HOURLY-BY-HOURLY DATA
January 2004: Westford



Wind Rose: January 2004
Westford



Maximum direction of wind: 474.3 miles from 293°.
2675.4 total miles of wind.