

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### December 2004

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

Date	Temperature					Humidity	Deq F		Precip Ty	Snow Cvr	Precip		Pressure			Wind					Sun											
	Maximum	Minimum	Average	Mean	Dew Point		Mean	Heating Base			Cooling Base	Adj. to Sea Level		Maximum	Minimum	Mean	Avg	Res	Res	Peak		Minute		Mean Index								
												Water Equivalent	Ice Pellets Snow							Speed		Dir	Speed		Dir	Speed	Dir					
1	2	3	4A	4B	5	6	7	8	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	42.2	32.4	37.3	36.5	32	86	28	0	.....	0	1.00	T	29.97	29.15	29.530	5.7	3.2	242	30	W	0	0										
2	34.3	23.6	28.9	29.4	20	68	37	0	.....	0		T	29.95	29.71	29.866	3.8	3.1	284	22	NW	0	0										
3	29.0	15.7	22.3	22.2	19	87	43	0	.....	2	0.24	2.0	29.96	29.67	29.781	1.4	0.8	328	14	WNW	0	0										
4	32.7	8.4	20.6	23.3	16	73	45	0	.....	2	0.01	0.2	29.99	29.65	29.854	6.9	6.6	179	30	SSW	0	0										
5	37.6	6.7	22.1	23.4	12	63	43	0	.....	1	0.00	0.0	30.38	29.64	30.030	4.8	2.9	273	27	WNW	0	0										
6	19.9	5.0	12.4	14.2	8	75	53	0	.....	1	0.05	0.2	30.44	30.26	30.363	0.7	0.5	27	8	S	0	0										
7	38.2	19.9	29.1	30.0	25	83	36	0	.....	T	0.22	T	30.28	29.55	29.994	5.3	5.1	158	35	SSE	0	0										
8	38.9	29.8	34.4	35.2	31	85	31	0	.....	0	0.02	0.0	30.10	29.44	29.732	6.4	4.9	242	32	WNW	0	0										
9	34.6	26.6	30.6	30.6	25	79	35	0	.....	0	0.00	0.0	30.19	29.93	30.092	0.6	0.3	345	12	WNW	0	0										
10	38.3	31.9	35.1	34.8	32	90	30	0	.....	2	0.70	2.0	29.95	29.53	29.802	1.2	0.7	136	14	SSE	0	0										
11	34.4	27.2	30.8	31.5	31	97	35	0	.....	4	0.71	2.6	29.53	29.27	29.344	0.1	0.1	282	6	NW	0	0										
12	28.2	24.2	26.2	26.3	24	91	39	0	.....	5	0.06	0.7	29.56	29.39	29.492	0.6	0.5	273	10	W	0	0										
13	34.3	17.7	26.0	29.6	28	95	39	0	.....	7	0.27	2.0	29.68	29.41	29.474	3.7	2.1	231	20	WNW	0	0										
14	17.7	10.9	14.3	13.3	8	78	51	0	.....	8	0.08	3.7	30.24	29.68	30.019	4.7	4.6	304	21	WNW	0	0										
15	17.2	2.6	9.9	10.4	4	75	56	0	.....	9	0.03	2.0	30.40	30.24	30.333	1.5	1.0	193	14	SSE	0	0										
16	32.7	14.0	23.4	24.7	14	65	42	0	.....	7	0.00	0.0	30.27	29.85	30.098	6.8	6.7	186	25	SSW	0	0										
17	32.8	4.1	18.4	20.6	12	70	47	0	.....	5	0.00	0.0	30.29	29.78	30.030	6.3	4.2	240	34	WNW	0	0										
18	29.5	-1.8	13.9	15.7	7	69	52	0	.....	5	0.00	0.0	30.27	29.80	30.080	3.4	2.9	177	30	SSW	0	0										
19	34.7	-2.2	16.3	23.6	18	79	49	0	.....	7	0.17	2.3	29.85	29.56	29.698	5.5	3.1	186	25	S	0	0										
20	-2.2	-18.4*	-10.3*	-11.3	-20	66	75	0	.....	8	0.03	1.1	30.12	29.84	29.990	1.7	1.5	357	12	N	0	0										
21	23.5	-17.2	3.1	2.9	-8	60	62	0	.....	8	T	T	30.17	29.89	30.035	4.5	4.0	187	28	SSW	0	0										
22	37.3	23.2	30.3	31.3	23	71	35	0	.....	6	0.00	0.0	30.17	30.07	30.135	6.3	6.2	183	26	S	0	0										
23	51.3*	29.1	40.2*	40.2	36	86	25	0	.....	T	0.97	0.0	30.17	29.40	29.816	5.9	4.0	185	35	SSE	0	0										
24	29.1	9.7	19.4	17.6	8	66	46	0	.....	0	0.00	0.0	30.14	29.84	30.072	3.9	3.7	272	28	W	0	0										
25	18.9	5.2	12.0	12.5	2	65	53	0	.....	1	0.03	0.9	30.42	30.07	30.270	2.2	1.8	253	17	WSW	0	0										
26	16.2	6.7	11.5	11.6	7	80	54	0	.....	5	0.17	4.7	30.45	30.22	30.354	0.3	0.3	346	7	NNE	0	0										
27	9.3	2.0	5.7	5.4	-3	70	60	0	.....	6	0.07	2.0	30.47	30.18	30.344	3.4	3.3	309	19	WNW	0	0										
28	21.3	0.7	11.0	12.4	5	72	55	0	.....	7	0.05	1.4	30.43	29.95	30.276	7.9	7.6	184	37	S	0	0										
29	28.5	17.3	22.9	24.2	19	81	43	0	.....	4	0.05	0.6	30.32	29.93	30.073	4.2	3.9	192	30	S	0	0										
30	30.9	10.7	20.8	21.0	15	78	45	0	.....	2	0.00	0.0	30.49	30.31	30.418	0.7	0.3	163	14	S	0	0										
31	36.9	27.6	32.3	33.5	27	76	33	0	.....	T	0.01	0.0	30.38	30.11	30.223	13.3	13.2	177	45	S	0	0										
Sum	Sum	-----	-----	---	----	Ttl	Ttl						For the month:														---					
908	393					1377	0	Number of Days		4.94	28.4	30.49	29.15	29.988	4.0	2.1	210	45	S	0	0											
Avg	Avg	Avg	Mean	Avg	Avg	----	----	Precip		Season Ttl	Date	Date	-----	----	----	---	Date	Date	Avg													
29.3	12.7	21.0	21.8	15	76.7	----	----	≥.01 inch	21	45.10	30.9	30	1	-----	----	----	---	31	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			401	167	Thunder	0	Precipitation		Snow, Ice Plts																				
≥ 90°F	< 32°F	< 32°F	< 0°F	----	----	Heavy Fog	0	1.41	11	4.7	26			9		15																
0	15	31	4	----	----	Clear	4	Partly Cloudy	7	Cloudy	20																					

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/m^2 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  
December 2004: Westford

Hour	Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Humidity	Wind			Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Humidity	Wind			Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Humidity	Wind		
							Direction	Speed	Gust							Direction	Speed	Gust							Direction	Speed	Gust
DEC 01									DEC 02									DEC 03									
01		29.91	0.00	38	23	55	13	6	12	29.74	0.00	33	26	74	27	10	14	29.84	0.00	24	16	72	00	1	5		
04		29.82	0.00	36	30	77	13	2	5	29.74	0.00	33	26	77	24	3	8	29.77	0.00	23	19	86	00	0	2		
07		29.62	0.00	33	32	94	13	4	10	29.83	0.00	34	27	75	31	8	14	29.71	0.00	23	21	92	04	1	3		
10		29.38	0.00	38	36	93	15	7	17	29.92	0.00	30	18	61	31	7	14	29.70	0.00	26	24	89	18	4	6		
13		29.19	0.00	40	39	96	18	2	6	29.93	0.00	29	17	59	29	6	11	29.67	0.00	27	24	90	29	3	6		
16		29.19	0.00	42	41	96	24	5	11	29.94	0.00	28	15	58	31	2	3	29.75	0.00	22	20	92	27	4	11		
19		29.48	0.00	34	31	87	27	12	20	29.92	0.00	26	15	62	00	0	2	29.87	0.00	18	15	89	00	1	6		
22		29.66	0.00	34	29	83	29	8	18	29.88	0.00	24	15	68	00	0	3	29.93	0.00	16	13	87	00	0	3		
DEC 04									DEC 05									DEC 06									
01		29.96	0.00	16	13	87	00	0	0	29.65	0.00	33	28	82	20	11	24	30.36	0.00	6	2	83	00	0	0		
04		29.98	0.00	10	7	86	00	0	0	29.70	0.00	35	29	79	20	4	9	30.40	0.00	7	4	87	00	0	0		
07		29.98	0.00	15	12	85	18	0	2	29.82	0.00	32	31	94	31	6	16	30.40	0.00	9	5	83	00	0	0		
10		29.96	0.00	22	15	72	18	6	12	30.04	0.00	25	7	46	31	7	20	30.44	0.00	13	5	69	00	0	0		
13		29.83	0.00	29	16	59	20	9	17	30.11	0.00	22	-4	32	31	8	18	30.38	0.00	18	3	50	00	0	2		
16		29.77	0.00	30	18	62	18	10	21	30.22	0.00	17	3	53	31	1	5	30.34	0.00	18	10	68	04	1	5		
19		29.72	0.00	31	17	57	15	13	22	30.29	0.00	15	1	54	31	2	7	30.31	0.00	19	13	77	00	1	5		
22		29.66	0.00	31	25	78	18	15	27	30.33	0.00	10	4	76	00	0	0	30.29	0.00	19	16	88	02	0	2		
DEC 07									DEC 08									DEC 09									
01		30.26	0.00	21	18	91	06	0	2	29.53	0.00	36	34	91	20	3	6	30.11	0.00	30	24	80	31	3	7		
04		30.21	0.00	23	21	92	00	0	0	29.45	0.00	36	35	94	18	6	10	30.15	0.00	28	24	83	00	0	0		
07		30.18	0.00	28	22	79	18	3	6	29.52	0.00	39	38	95	20	7	17	30.17	0.00	27	23	86	04	0	2		
10		30.16	0.00	31	23	73	18	7	13	29.64	0.00	38	34	85	24	9	17	30.18	0.00	30	25	80	04	0	1		
13		30.02	0.00	33	26	76	15	8	19	29.73	0.00	37	31	77	24	7	12	30.10	0.00	34	26	74	04	0	3		
16		29.87	0.00	32	29	88	15	7	12	29.86	0.00	35	28	75	29	9	18	30.07	0.00	32	26	80	00	0	0		
19		29.72	0.00	34	31	88	13	4	10	29.99	0.00	31	25	78	33	1	3	30.02	0.00	31	26	79	06	1	5		
22		29.64	0.00	35	31	85	15	11	24	30.05	0.00	30	25	81	00	0	2	29.95	0.00	34	25	68	13	1	2		
DEC 10									DEC 11									DEC 12									
01		29.94	0.00	35	27	73	18	1	6	29.47	0.00	32	31	97	00	0	0	29.39	0.00	27	26	94	31	1	3		
04		29.93	0.00	33	31	94	00	0	0	29.40	0.00	32	31	97	00	0	0	29.42	0.00	27	26	94	00	0	0		
07		29.92	0.00	35	32	88	15	5	11	29.35	0.00	32	32	97	00	0	0	29.46	0.00	28	26	92	29	2	7		
10		29.87	0.00	37	33	86	15	1	3	29.32	0.00	34	33	97	00	0	0	29.52	0.00	27	24	91	29	1	3		
13		29.81	0.00	37	34	88	09	0	3	29.29	0.00	34	33	97	00	0	0	29.53	0.00	26	23	88	31	0	1		
16		29.75	0.00	36	33	91	00	0	5	29.28	0.00	32	32	97	00	0	0	29.54	0.00	25	23	90	06	0	2		
19		29.68	0.00	34	32	95	00	0	1	29.31	0.00	29	28	96	29	1	4	29.55	0.00	24	22	92	00	0	0		
22		29.60	0.00	32	31	96	00	0	0	29.35	0.00	27	26	95	00	0	0	29.51	0.00	25	23	94	00	0	0		
DEC 13									DEC 14									DEC 15									
01		29.47	0.00	28	27	94	15	2	6	29.71	0.00	17	14	87	29	8	16	30.25	0.00	11	7	85	31	1	2		
04		29.42	0.00	30	29	95	15	3	8	29.81	0.00	12	7	80	29	6	13	30.30	0.00	8	4	83	31	0	3		
07		29.41	0.00	32	31	96	15	2	7	29.92	0.00	11	6	79	29	6	10	30.36	0.00	3	-1	83	00	0	1		
10		29.43	0.00	32	31	96	20	3	7	30.04	0.00	13	6	74	31	3	8	30.40	0.00	9	2	74	06	0	1		
13		29.41	0.00	33	32	96	20	6	17	30.06	0.00	15	9	77	31	3	10	30.34	0.00	12	4	68	11	2	3		
16		29.45	0.00	34	32	92	22	4	8	30.13	0.00	14	7	72	29	2	7	30.35	0.00	12	3	69	15	0	2		
19		29.54	0.00	26	25	94	33	2	5	30.19	0.00	14	7	73	33	2	5	30.36	0.00	12	5	73	18	3	7		
22		29.62	0.00	23	21	91	31	6	13	30.22	0.00	12	8	82	31	1	3	30.30	0.00	17	8	69	18	5	10		
DEC 16									DEC 17									DEC 18									
01		30.26	0.00	17	10	74	18	4	9	29.83	0.00	33	17	53	18	8	18	30.26	0.00	2	-2	83	06	0	2		
04		30.25	0.00	16	11	81	18	2	5	29.79	0.00	32	25	77	18	9	16	30.24	0.00	4	0	83	18	0	1		
07		30.22	0.00	17	12	82	18	4	10	29.80	0.00	30	28	91	22	6	14	30.20	0.00	4	-1	83	00	0	0		
10		30.17	0.00	24	16	72	18	6	14	29.99	0.00	24	12	60	29	14	34	30.16	0.00	16	5	59	15	5	12		
13		30.06	0.00	30	15	54	20	6	14	30.06	0.00	20	9	62	29	7	14	30.04	0.00	26	10	50	18	10	20		
16		30.02	0.00	30	16	54	18	8	14	30.18	0.00	14	4	63	29	5	16	30.00	0.00	26	14	58	20	5	11		
19		29.97	0.00	32	14	47	20	7	13	30.25	0.00	8	3	78	04	0	3	29.94	0.00	23	14	68	22	0	2		
22		29.89	0.00	32	17	54	18	8	14	30.28	0.00	6	2	80	06	0	2	29.85	0.00	29	20	69	20	3	10		

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	01	01	01	01	01	01	01	01	01	01	01	01
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  
December 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		
DEC 19									DEC 20									DEC 21								
01		29.76	0.00	31	23	74	18	7	13	29.84	0.00	-3	-10	73	00	4	12	30.11	0.00	-17	-25	66	00	0	0	
04		29.70	0.00	32	26	77	20	1	2	29.89	0.00	-7	-14	72	00	2	9	30.15	0.00	-15	-22	70	00	0	0	
07		29.65	0.00	32	26	79	15	11	21	29.97	0.00	-11	-19	68	00	3	12	30.09	0.00	-11	-17	73	06	1	2	
10		29.63	0.00	33	28	83	18	8	13	30.00	0.00	-11	-21	62	00	2	7	29.97	0.00	-3	-12	65	06	3	8	
13		29.58	0.00	35	29	79	20	8	17	29.96	0.00	-11	-22	58	31	2	6	29.90	0.00	12	-10	36	20	9	19	
16		29.61	0.00	25	22	88	00	2	6	30.01	0.00	-14	-23	63	02	1	4	29.96	0.00	14	-2	49	20	6	13	
19		29.77	0.00	7	2	82	02	4	11	30.10	0.00	-18	-26	67	09	1	3	30.02	0.00	14	2	60	18	5	9	
22		29.85	0.00	1	-5	76	33	3	7	30.11	0.00	-15	-23	68	06	1	3	30.05	0.00	21	10	60	18	8	14	
DEC 22									DEC 23									DEC 24								
01		30.08	0.00	24	13	63	20	8	14	30.15	0.00	32	29	88	00	0	0	29.88	0.00	26	16	65	27	12	17	
04		30.11	0.00	25	15	64	18	7	12	30.12	0.00	35	30	82	15	2	4	29.99	0.00	21	11	66	27	7	18	
07		30.15	0.00	26	18	71	18	7	12	30.03	0.00	34	32	91	00	0	0	30.07	0.00	18	8	65	24	5	10	
10		30.17	0.00	29	20	70	15	6	12	29.88	0.00	43	40	88	15	4	10	30.12	0.00	18	6	59	27	7	16	
13		30.11	0.00	36	27	69	18	11	26	29.64	0.00	50	44	82	15	12	24	30.11	0.00	19	7	59	31	3	7	
16		30.14	0.00	34	30	83	18	3	7	29.49	0.00	50	47	89	15	11	20	30.13	0.00	17	7	63	33	1	2	
19		30.15	0.00	36	28	73	18	8	16	29.51	0.00	47	46	98	13	6	12	30.13	0.00	12	7	78	00	0	0	
22		30.16	0.00	37	30	74	18	2	5	29.75	0.00	34	26	72	27	9	21	30.11	0.00	10	6	82	00	0	0	
DEC 25									DEC 26									DEC 27								
01		30.08	0.00	14	8	79	18	1	5	30.42	0.00	8	3	81	00	0	0	30.19	0.00	8	4	83	31	1	5	
04		30.13	0.00	14	11	86	00	0	0	30.42	0.00	9	3	76	02	0	2	30.22	0.00	7	3	81	31	3	7	
07		30.22	0.00	13	2	61	27	4	10	30.43	0.00	10	4	75	00	0	1	30.30	0.00	4	-1	79	31	2	6	
10		30.27	0.00	16	-6	37	24	5	11	30.45	0.00	13	6	72	33	1	2	30.36	0.00	4	-2	77	31	4	11	
13		30.29	0.00	18	-1	42	24	5	12	30.35	0.00	15	11	83	31	1	3	30.35	0.00	7	2	78	31	3	9	
16		30.33	0.00	13	-0	55	33	0	3	30.31	0.00	13	9	84	33	1	3	30.40	0.00	5	-5	63	31	5	11	
19		30.38	0.00	7	2	78	02	0	1	30.26	0.00	14	11	87	00	0	2	30.45	0.00	3	-10	55	29	4	8	
22		30.42	0.00	6	2	83	00	0	0	30.22	0.00	11	7	84	33	1	2	30.47	0.00	4	-11	51	29	8	13	
DEC 28									DEC 29									DEC 30								
01		30.41	0.00	1	-9	61	18	3	5	29.94	0.00	22	15	74	20	13	26	30.32	0.00	17	13	85	20	0	2	
04		30.40	0.00	5	-6	60	20	5	10	29.93	0.00	23	16	72	18	7	17	30.36	0.00	13	11	90	00	0	0	
07		30.42	0.00	7	1	77	20	5	10	29.97	0.00	25	17	73	20	6	12	30.44	0.00	13	10	88	00	0	0	
10		30.41	0.00	11	5	76	20	8	13	30.03	0.00	24	22	89	20	5	10	30.48	0.00	22	19	88	00	0	0	
13		30.31	0.00	17	8	68	15	10	17	30.06	0.00	27	24	90	20	2	5	30.42	0.00	30	18	62	15	3	3	
16		30.21	0.00	17	13	83	20	8	13	30.12	0.00	28	25	90	00	0	2	30.45	0.00	29	17	61	00	0	0	
19		30.10	0.00	18	11	74	18	12	24	30.20	0.00	25	20	83	33	1	4	30.44	0.00	21	17	83	00	0	0	
22		30.00	0.00	20	14	77	18	14	27	30.27	0.00	21	15	78	24	0	2	30.43	0.00	25	20	80	18	0	2	
DEC 31																										
01		30.34	0.00	29	22	75	18	5	11																	
04		30.25	0.00	34	26	73	18	9	16																	
07		30.16	0.00	35	29	79	18	16	33																	
10		30.09	0.00	38	31	77	18	19	38																	
13		30.00	0.00	40	34	79	15	15	31																	
16		29.95	0.00	40	35	81	18	14	32																	
19		29.92	0.00	42	36	81	18	14	25																	
22		29.86	0.00	42	39	87	18	11	16																	

WEATHER NOTES

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.

SUMMARY BY HOUR

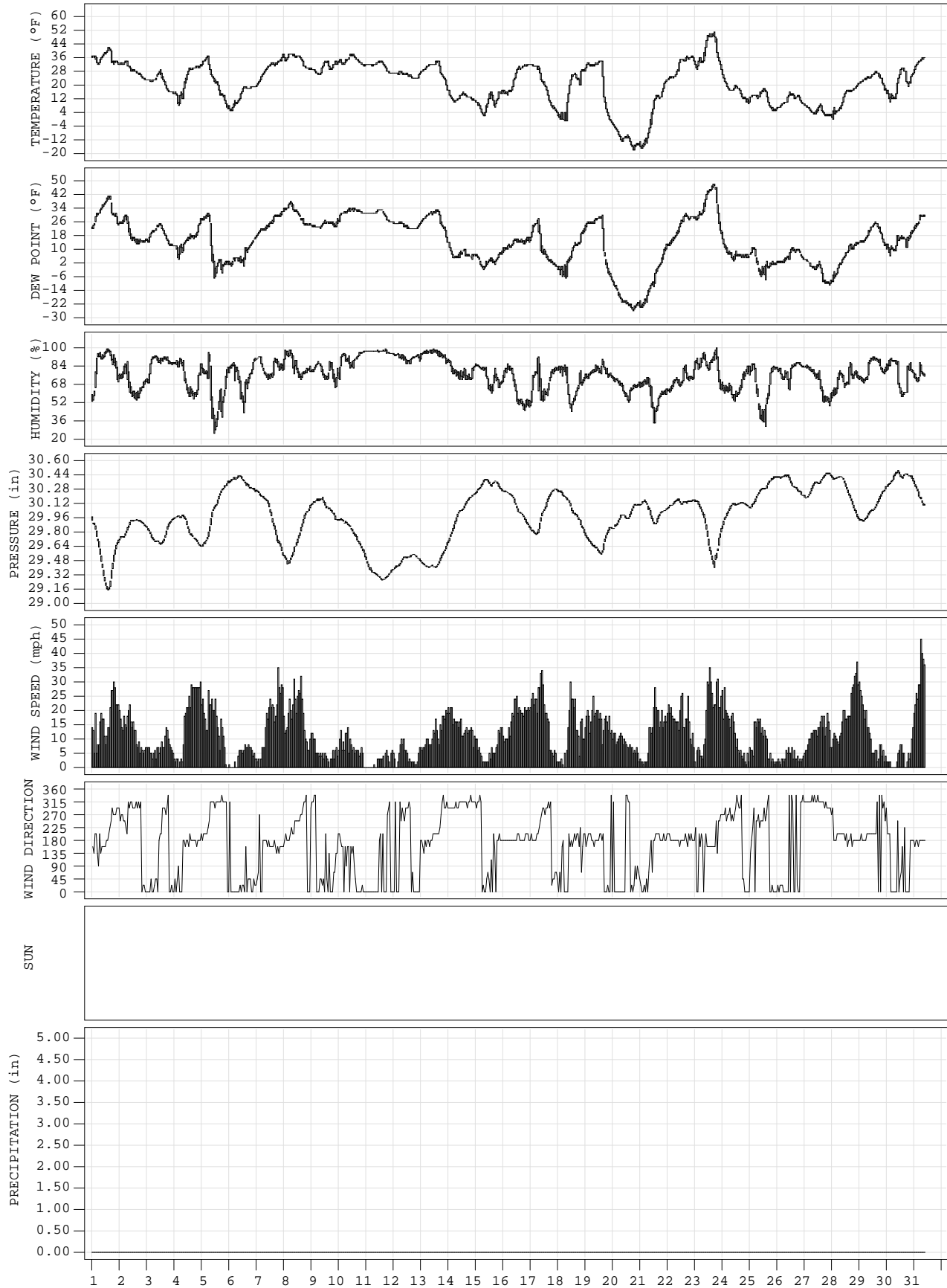
Hour	Averages						Resultant Wind	
	Sunshine	Pressure	Temperature	Dew Point	Humidity	Wind Speed	Direction	Speed
01		29.982	20	14	78	3.6	22	2.2
04		29.982	20	15	81	2.5	20	1.7
07		29.993	20	16	82	3.7	21	1.9
10		30.006	23	16	75	4.9	21	2.6
13		29.956	26	17	70	5.2	20	3.1
16		29.962	24	17	75	3.7	21	2.1
19		29.986	21	15	77	3.4	19	1.7
22		29.991	21	15	78	3.7	20	2.1

HOURLY PRECIPITATION (Water Equivalent)  
**December 2004: Westford**

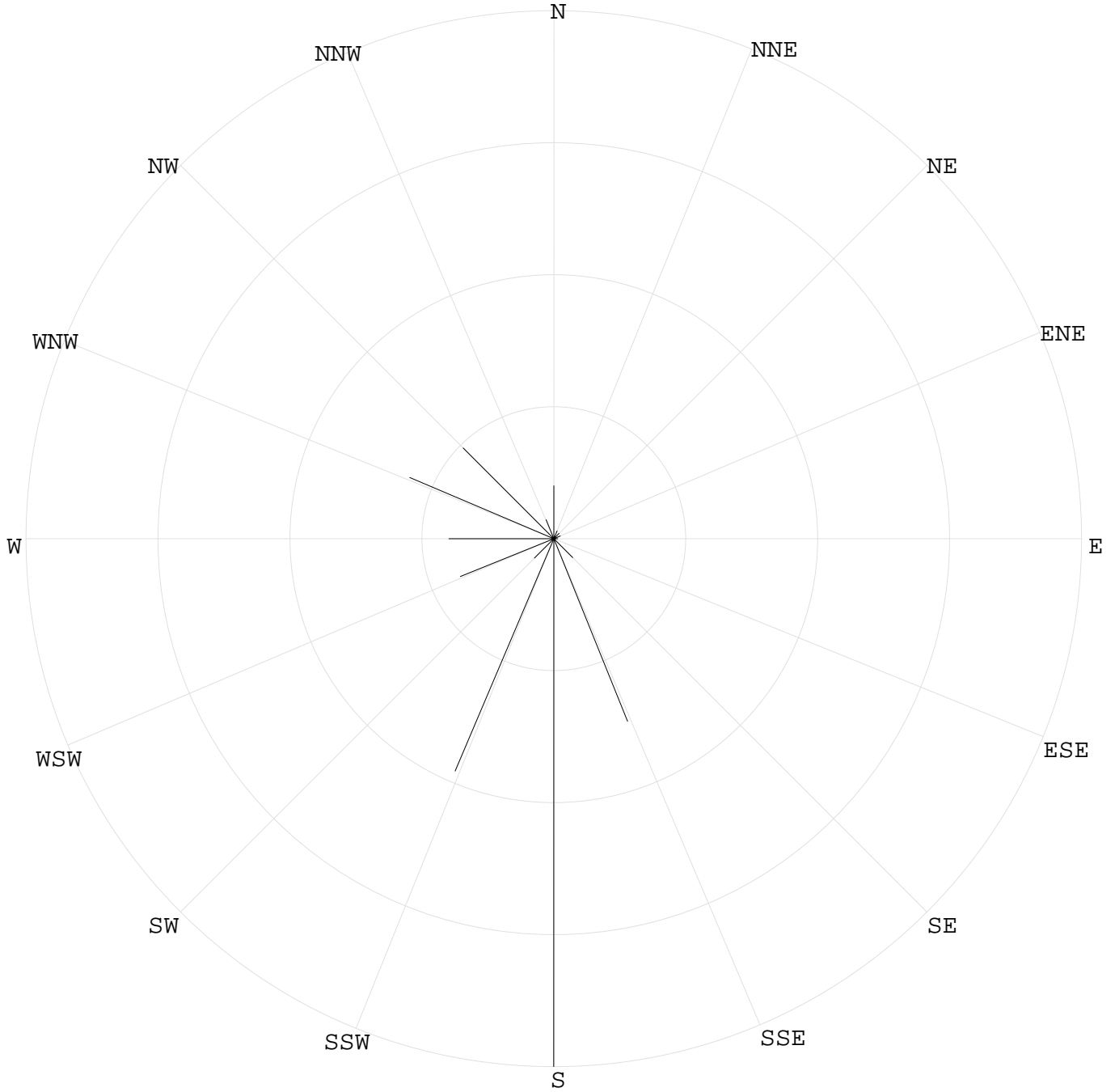
Date	A.M. Hour Ending at												P.M. Hour Ending at												Date	
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12		
01																									01	
02																										02
03																										03
04																										04
05																										05
06																										06
07																										07
08																										08
09																										09
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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	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  
December 2004: Westford



Wind Rose: December 2004  
Westford



Maximum direction of wind: 905.4 miles from 180°.  
2782.4 total miles of wind.