

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### April 2004

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 Mean Index	
	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
1	2	3	4A	4B	5	6	7	8	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	51.0	40.2	45.6	43.5	41	90	19	0	.....	0	0.00	0.0	29.90	29.80	29.791	1.7	1.5	360	19	ENE	1	345	
2	42.5	34.9	38.7	39.6	36	88	26	0	.....	0	0.22	0.0	29.82	29.74	29.794	1.5	1.4	6	14	N	1	12	
3	42.6	34.7	38.6	37.8	36	94	26	0	.....	0	0.00	0.0	29.74	29.46	29.604	0.2	0.1	353	6	WNW	0	0	
4	39.2	25.0	32.1	33.9	33	96	33	0	.....	2	0.18	2.1	29.51	29.36	29.402	2.8	2.5	298	24	WNW	0	0	
5	25.0	14.1*	19.6*	20.3	15	81	45	0	.....	4	0.00	1.8	29.70	29.51	29.626	7.2	7.0	289	25	WNW	1.1	273	
6	38.9	18.1	28.5	28.4	13	53	36	0	.....	0	0.00	0.0	29.75	29.69	29.724	6.3	5.9	307	26	NW	0	0	
7	47.4	30.0	38.7	37.3	16	42	26	0	.....	0	0.00	0.0	29.71	29.60	29.649	3.7	3.0	273	20	W	0	0	
8	49.4	28.8	39.1	39.5	26	58	26	0	.....	0	0.00	0.0	29.67	29.58	29.628	4.0	3.3	241	19	W	1	225	
9	43.9	30.4	37.2	36.9	24	60	28	0	.....	0	0.00	0.0	29.80	29.63	29.724	2.3	1.6	311	16	N	0	0	
10	39.9	27.8	33.9	34.1	23	63	31	0	.....	0	0.00	0.0	30.00	29.79	29.891	3.6	3.1	302	21	W	0	0	
11	42.3	25.6	33.9	33.8	19	56	31	0	.....	0	0.00	0.0	30.22	29.99	30.106	1.6	1.5	320	17	NW	0	0	
12	48.9	23.2	36.1	36.9	20	53	29	0	.....	0	0.00	0.0	30.32	30.20	30.258	1.1	0.9	351	12	WNW	0	0	
13	46.0	34.7	40.4	39.6	36	87	24	0	.....	0	0.48	0.0	30.20	29.58	29.945	1.8	1.4	154	19	SSE	0	0	
14	40.9	35.6	38.3	38.5	37	94	26	0	.....	0	0.20	0.0	29.90	29.55	29.749	1.5	1.4	336	14	NW	0	0	
15	44.5	30.6	37.6	37.4	25	65	27	0	.....	0	0.00	0.0	30.22	29.91	30.081	3.2	3.1	337	22	N	0	9	
16	51.0	25.6	38.3	38.5	20	48	26	0	.....	0	0.00	0.0	30.33	30.17	30.252	1.9	1.7	322	16	NW	0	0	
17	64.5	34.0	49.3	49.1	33	59	15	0	.....	0	0.07	0.0	30.18	29.96	30.077	4.7	3.8	189	26	S	1	177	
18	57.8	38.0	47.9	49.5	43	79	17	0	..3.....	0	0.33	0.0	30.36	30.00	30.249	1.3	0.5	135	18	SSE	0	0	
19	77.9	50.7	64.3	62.5	49	63	0	0	..3.....	0	0.04	0.0	29.99	29.58	29.743	11.7	10.4	202	39	S	0	0	
20	54.4	35.5	45.0	40.2	30	64	20	0	.....	0	T	0.0	30.14	29.72	30.027	4.5	4.1	325	29	NW	0	0	
21	63.2	31.3	47.3	49.6	33	54	18	0	.....	0	0.00	0.0	30.14	29.82	29.970	7.3	7.0	167	31	SSE	0	0	
22	66.1	44.6	55.3	55.3	45	70	9	0	.....	0	0.09	0.0	30.13	29.79	29.918	7.9	5.0	205	29	SSW	0	0	
23	53.6	32.7	43.1	42.5	31	65	21	0	.....	0	0.00	0.0	30.22	30.00	30.118	2.2	1.4	328	14	N	0	0	
24	51.3	31.8	41.5	43.3	26	57	23	0	.....	0	0.10	0.0	30.33	29.91	30.091	6.9	5.0	296	31	NW	0	0	
25	47.7	25.1	36.4	36.3	16	47	28	0	.....	0	0.27	0.0	30.43	29.98	30.257	2.8	0.7	193	36	S	6	164	
26	51.4	39.3	45.4	46.2	43	88	20	0	.....	0	0.06	0.0	29.98	29.73	29.812	9.7	9.4	187	37	S	3	212	
27	57.5	36.8	47.1	46.7	36	68	17	0	.....	0	T	0.0	29.74	29.54	29.632	4.1	3.0	259	31	WSW	0	0	
28	47.6	32.7	40.1	38.7	26	63	24	0	.....	0	0.03	T	30.15	29.72	29.964	4.7	4.3	301	27	WNW	0	0	
29	75.6	39.8	57.7	58.7	35	42	7	0	.....	0	0.03	0.0	30.17	29.93	30.030	9.9	9.8	180	31	S	4	179	
30	81.1*	58.0	69.5*	69.3	46	45	0	5	.....	0	0.00	0.0	30.08	29.93	30.010	5.2	4.8	189	21	SSW	0	0	
Sum	Sum	-----	-----	---	-----	Ttl	Ttl						For the month:										---
1543	990					678	5	Number of Days		2.10	3.9	30.43	29.36	29.904	4.2	1.8	243	39	S	11	273		
Avg	Avg	Avg	Mean	Avg	Avg	----	----	Precip		Season Ttl	Date	Date	-----	----	----	---	Date	Date	Avg				
51.4	33.0	42.2	42.1	30	66.5	----	----	≥.01 inch	13	7.15	123.0	25	4	-----	----	----	---	19	5				
Number of Days						Season to Date	Snow, Ice ≥1.0 inch	2	Greatest in 24 Hours and Dates						Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date								
Max Temperature			Min Temperature			7908	5	Thunder	2	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	0.55	13-14	2.1	4				4			5					
0	1	14	0	----	----	Clear	3	Partly Cloudy			16	Cloudy			11								

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<sup>2</sup> 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

## April 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		
APR 01									APR 02									APR 03								
01		29.89	0.01	40	39	97	00	0	2	29.80	0.00	41	36	84	00	2	8	29.73	0.00	35	34	96	00	0	0	
04		29.84	0.00	41	40	98	00	0	2	29.80	0.00	39	35	85	00	3	10	29.67	0.00	35	34	97	06	1	3	
07		29.86	0.00	42	41	98	00	0	0	29.82	0.00	40	35	82	00	3	8	29.67	0.00	36	35	97	00	0	0	
10		29.85	0.00	46	42	85	09	2	8	29.82	0.00	42	36	79	00	1	3	29.65	0.00	39	37	93	06	0	2	
13		29.83	0.00	50	43	77	00	2	8	29.82	0.00	40	38	92	00	0	3	29.59	0.00	41	38	90	33	1	3	
16		29.83	0.01	47	43	86	00	2	9	29.79	0.00	40	39	96	00	2	7	29.55	0.00	42	38	86	00	0	0	
19		29.86	0.00	42	40	93	00	1	5	29.77	0.00	39	37	92	02	0	2	29.52	0.00	39	37	93	00	0	0	
22		29.84	0.00	41	39	92	31	3	10	29.76	0.01	36	35	96	04	0	2	29.49	0.00	37	36	97	02	0	1	
APR 04									APR 05									APR 06								
01		29.44	0.00	36	35	97	00	0	0	29.52	0.00	24	22	95	29	4	11	29.70	0.00	23	9	55	29	7	14	
04		29.39	0.00	36	35	97	09	1	6	29.54	0.00	21	19	92	29	5	13	29.71	0.00	20	7	56	29	7	17	
07		29.38	0.00	36	35	95	00	0	0	29.59	0.00	17	14	88	29	8	18	29.74	0.00	18	6	58	31	4	11	
10		29.38	0.00	39	38	95	18	1	4	29.65	0.00	15	12	86	29	7	13	29.75	0.00	24	12	58	31	8	15	
13		29.37	0.00	35	34	96	29	4	8	29.67	0.00	17	12	82	31	9	16	29.73	0.00	31	16	54	31	8	16	
16		29.36	0.00	32	31	96	31	4	8	29.63	0.00	24	18	79	29	6	13	29.71	0.00	37	20	51	31	10	18	
19		29.40	0.01	31	30	96	29	7	16	29.68	0.00	24	15	69	27	6	12	29.72	0.00	37	20	50	29	6	12	
22		29.49	0.00	27	26	96	29	6	16	29.70	0.00	25	14	63	27	9	21	29.74	0.00	34	15	46	24	4	11	
APR 07									APR 08									APR 09								
01		29.70	0.00	31	9	39	20	3	7	29.64	0.00	34	21	59	22	4	10	29.63	0.00	39	30	69	22	2	6	
04		29.66	0.00	32	16	52	24	1	5	29.64	0.00	33	26	76	22	5	10	29.64	0.00	34	29	80	00	0	0	
07		29.66	0.00	30	18	59	18	2	3	29.67	0.00	30	22	72	18	3	7	29.70	0.00	31	26	84	31	0	2	
10		29.67	0.00	37	18	45	27	5	11	29.66	0.00	40	26	56	22	6	12	29.73	0.00	33	22	65	00	0	0	
13		29.62	0.00	43	18	37	27	8	13	29.60	0.00	46	25	43	29	6	12	29.74	0.00	39	19	45	31	4	6	
16		29.61	0.00	46	11	23	31	8	17	29.58	0.00	48	25	40	22	6	10	29.75	0.00	43	21	42	31	5	8	
19		29.63	0.00	42	12	28	29	4	11	29.62	0.00	43	28	56	31	3	6	29.77	0.00	40	23	49	31	0	2	
22		29.64	0.00	36	18	46	22	1	6	29.63	0.00	40	28	62	22	0	2	29.79	0.00	36	22	56	20	2	5	
APR 10									APR 11									APR 12								
01		29.79	0.00	36	24	60	24	4	12	30.00	0.00	32	21	63	27	0	2	30.22	0.00	25	20	78	00	0	0	
04		29.82	0.00	32	21	64	31	6	11	30.02	0.00	29	18	64	00	0	0	30.24	0.00	26	19	74	00	0	0	
07		29.86	0.00	28	21	74	29	1	3	30.07	0.00	28	19	70	00	0	0	30.28	0.00	25	19	76	00	0	0	
10		29.90	0.00	32	23	68	31	4	10	30.12	0.00	36	19	49	29	5	11	30.32	0.00	41	18	39	00	1	6	
13		29.89	0.00	38	24	58	31	5	13	30.11	0.00	39	19	44	31	6	13	30.28	0.00	47	19	33	31	2	7	
16		29.90	0.00	38	25	59	31	4	7	30.12	0.00	41	17	38	31	5	10	30.26	0.00	48	19	31	00	2	5	
19		29.94	0.00	36	25	63	00	2	7	30.16	0.00	38	20	49	00	2	6	30.25	0.00	43	22	44	04	1	6	
22		30.00	0.00	33	21	62	00	0	0	30.22	0.00	28	20	72	00	0	0	30.23	0.00	38	26	60	00	0	0	
APR 13									APR 14									APR 15								
01		30.19	0.00	40	32	73	18	4	7	29.56	0.00	41	40	97	00	0	0	29.92	0.00	34	31	90	00	1	3	
04		30.14	0.00	35	34	93	13	0	1	29.55	0.01	39	38	96	31	2	5	29.94	0.00	33	30	88	00	2	7	
07		30.09	0.01	35	34	95	00	0	3	29.68	0.00	36	35	97	31	4	11	30.02	0.00	31	29	92	00	2	8	
10		30.06	0.00	38	35	87	15	1	4	29.76	0.00	37	36	98	00	2	8	30.09	0.00	39	30	70	31	5	14	
13		29.96	0.00	43	36	77	13	4	10	29.80	0.00	38	37	97	33	1	3	30.11	0.00	43	25	49	33	7	13	
16		29.85	0.00	43	37	79	15	1	5	29.80	0.00	40	37	88	33	2	7	30.13	0.00	44	22	41	33	5	12	
19		29.75	0.00	42	38	88	20	2	6	29.85	0.00	40	37	87	00	2	8	30.18	0.00	42	18	39	00	3	10	
22		29.63	0.01	42	41	94	00	0	0	29.90	0.00	39	35	85	00	1	6	30.22	0.00	35	18	50	00	1	7	
APR 16									APR 17									APR 18								
01		30.23	0.00	32	15	48	00	2	7	30.17	0.00	37	25	62	18	0	1	30.20	0.00	46	43	90	00	0	1	
04		30.27	0.00	27	17	65	00	0	0	30.12	0.00	40	23	52	18	3	8	30.27	0.00	40	40	97	00	0	0	
07		30.31	0.00	26	16	67	00	0	0	30.09	0.00	45	19	35	20	4	12	30.30	0.00	39	39	98	00	0	0	
10		30.33	0.00	39	17	40	04	3	6	30.07	0.00	57	20	24	20	13	21	30.34	0.00	52	42	67	00	0	3	
13		30.28	0.00	46	24	42	31	6	12	29.98	0.00	63	28	27	18	11	20	30.34	0.00	55	45	68	29	1	2	
16		30.23	0.00	50	23	35	31	4	8	30.00	0.00	49	45	85	15	3	7	30.28	0.00	57	46	68	27	1	4	
19		30.19	0.00	48	26	42	29	0	2	30.04	0.00	54	49	82	20	3	7	30.20	0.00	54	43	65	15	0	3	
22		30.19	0.00	38	26	61	00	0	0	30.13	0.00	50	48	95	31	4	7	30.13	0.00	51	48	92	11	0	3	

### 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

## April 2004: Westford

Hour	APR 19									APR 20									APR 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		29.95	0.00	55	49	81	18	14	28		29.82	0.00	47	41	78	31	9	19		30.13	0.00	34	29	80	00	0	0
04		29.90	0.00	56	47	73	18	16	29		29.92	0.00	40	33	77	31	7	14		30.06	0.00	32	27	83	00	0	0
07		29.84	0.00	56	48	75	18	17	30		30.05	0.00	36	30	77	31	7	17		30.07	0.00	41	29	62	20	5	11
10		29.77	0.00	61	50	67	20	14	22		30.10	0.00	37	29	72	31	5	12		30.04	0.00	49	32	52	15	8	14
13		29.68	0.00	70	50	49	20	10	16		30.12	0.00	43	30	59	00	3	5		29.97	0.00	53	33	47	15	9	16
16		29.59	0.00	75	45	34	22	7	13		30.11	0.00	48	30	49	04	3	7		29.88	0.00	62	35	37	15	14	31
19		29.60	0.00	69	50	50	20	10	28		30.12	0.00	48	28	45	00	0	0		29.82	0.00	61	36	39	15	13	22
22		29.62	0.00	61	54	80	22	8	14		30.13	0.00	38	30	73	00	0	0		29.84	0.00	58	38	47	15	8	16
APR 22									APR 23									APR 24									
01		29.82	0.00	57	38	50	18	9	19		30.13	0.00	42	34	72	00	0	2		29.99	0.00	45	42	87	18	3	7
04		29.81	0.02	52	49	89	18	7	11		30.12	0.00	38	31	76	00	2	7		29.93	0.00	46	43	91	24	4	8
07		29.82	0.01	52	49	90	18	11	17		30.19	0.00	33	27	77	33	2	7		29.97	0.00	44	43	96	00	0	0
10		29.85	0.00	57	52	84	20	11	18		30.20	0.00	37	27	67	31	2	5		30.04	0.00	45	35	68	27	10	17
13		29.87	0.00	65	52	62	24	6	13		30.15	0.00	46	30	53	31	4	8		30.08	0.00	49	30	48	27	13	19
16		29.96	0.00	63	45	52	27	8	13		30.07	0.00	52	33	49	00	1	5		30.16	0.00	46	13	25	31	12	19
19		30.04	0.00	54	43	66	31	2	7		30.04	0.00	49	33	54	00	0	0		30.22	0.00	41	5	22	31	8	14
22		30.12	0.00	49	38	66	00	1	4		30.04	0.00	41	34	76	18	1	5		30.31	0.00	36	5	27	33	5	12
APR 25									APR 26									APR 27									
01		30.33	0.00	30	11	44	00	0	2		29.95	0.00	40	36	85	20	15	27		29.73	0.00	45	39	79	29	0	1
04		30.37	0.00	27	9	45	00	1	5		29.86	0.00	43	35	74	18	13	25		29.66	0.00	42	38	86	22	1	2
07		30.42	0.00	27	10	47	02	1	4		29.84	0.00	42	40	93	18	13	21		29.62	0.00	39	37	94	11	0	1
10		30.39	0.00	36	3	24	33	1	5		29.80	0.00	47	44	89	18	15	28		29.58	0.00	51	41	70	18	8	13
13		30.30	0.00	43	11	27	27	6	8		29.80	0.00	49	46	90	20	10	18		29.55	0.00	52	38	59	27	9	16
16		30.19	0.00	48	16	28	24	2	6		29.77	0.00	50	47	88	18	7	12		29.56	0.00	55	26	32	24	10	17
19		30.11	0.00	39	35	87	22	0	1		29.74	0.00	51	47	89	20	4	8		29.66	0.00	46	35	63	33	4	10
22		30.02	0.01	38	35	89	18	10	17		29.75	0.00	48	47	95	20	4	8		29.70	0.00	42	31	65	29	5	8
APR 28									APR 29									APR 30									
01		29.72	0.00	39	35	87	31	5	8											30.04	0.00	65	43	46	18	3	6
04		29.76	0.00	37	35	92	27	6	10		30.14	0.00	42	25	51	18	7	11		30.03	0.00	58	44	58	18	4	6
07		29.90	0.00	33	28	83	31	7	11		30.08	0.00	46	25	44	18	13	22		30.06	0.00	61	46	57	18	6	12
10		29.98	0.00	37	29	71	29	8	14		30.05	0.00	54	32	43	15	14	25		30.07	0.00	70	49	46	18	9	16
13		30.02	0.00	40	22	48	31	7	16		29.97	0.00	63	41	43	18	15	25		30.02	0.00	77	46	34	24	7	18
16		30.05	0.00	46	20	35	31	5	11		29.96	0.00	72	45	38	18	14	27		29.96	0.00	81	47	31	20	6	16
19		30.09	0.00	45	19	35	29	1	5		29.94	0.00	74	45	35	18	8	17		29.94	0.00	75	47	36	18	5	10
22		30.14	0.00	35	20	54	00	0	0		30.00	0.00	66	44	45	18	3	6		29.98	0.00	68	47	47	22	0	3

### 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

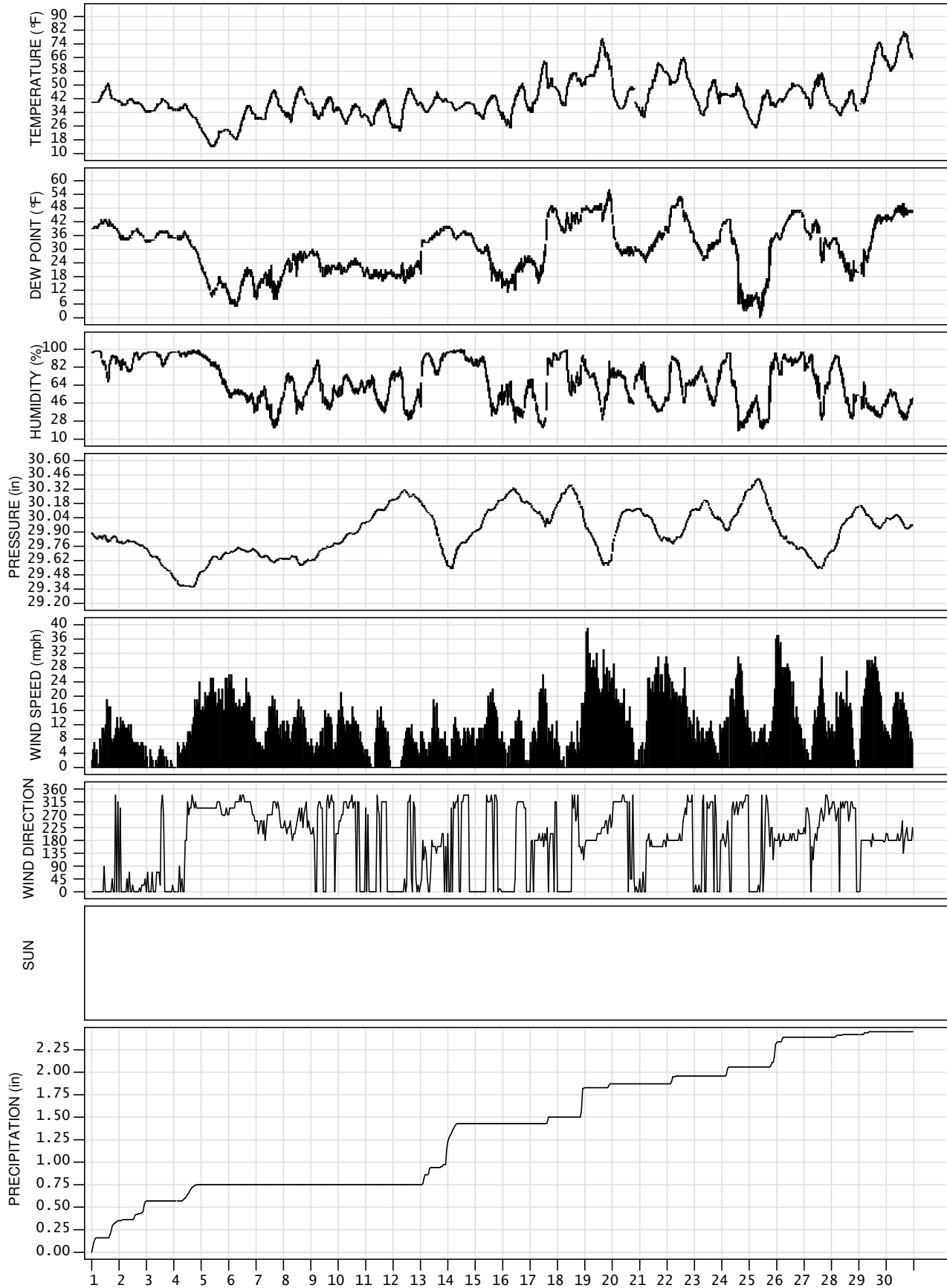
Hour	Averages						Resultant Wind	
	Sunshine	Pressure	Temperature	Dew Point	Humidity	Wind Speed	Direction	Speed
01		29.893	39	30	74	3.1	22	1.7
04		29.894	37	30	77	3.5	23	1.6
07		29.921	36	29	78	3.8	21	1.8
10		29.933	42	30	65	5.6	22	2.8
13		29.909	47	31	58	6.1	27	3.3
16		29.888	49	31	54	5.3	27	2.4
19		29.895	46	31	60	3.2	25	1.2
22		29.913	41	31	70	2.5	24	1.3

## HOURLY PRECIPITATION (Water Equivalent) April 2004: Westford

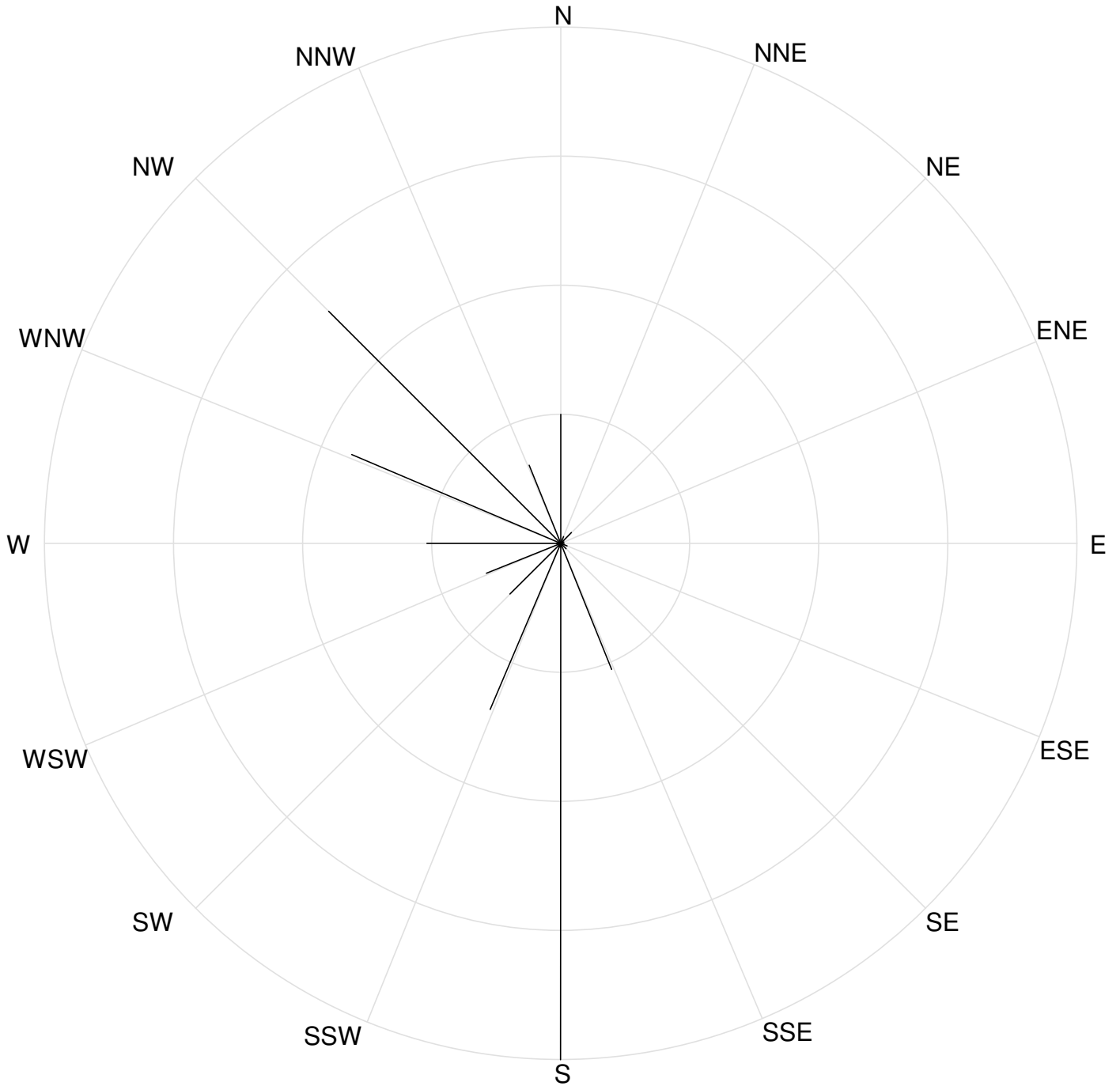
Date	A.M. Hour Ending at												P.M. Hour Ending at												Date
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	
01	0.05	0.06	0.04	0.01																				01	
02			0.01										0.01	0.04	0.01	0.03	0.04	0.06	0.02	0.01	0.01	0.01	0.01	0.01	02
03																									03
04								0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01		0.01					04
05																									05
06																									06
07																									07
08																									08
09																									09
10																									10
11																									11
12																									12
13		0.01	0.05	0.05			0.01	0.06	0.01								0.01		0.02				0.17	0.09	13
14	0.04	0.03	0.02	0.03	0.02	0.03	0.02	0.01																	14
15																									15
16																									16
17																									17
18															0.01	0.06								0.01	18
19																					0.08	0.24			19
20																				0.02	0.02	0.02			20
21																									21
22				0.03	0.05			0.01																	22
23																									23
24				0.01	0.07	0.02																			24
25																			0.02	0.03		0.07	0.13	0.02	25
26	0.01				0.04	0.01																			26
27																									27
28				0.01	0.01					0.01															28
29					0.02																				29
30								0.01																	30
Sum	0.10	0.10	0.12	0.14	0.21	0.06	0.03	0.09	0.03	0.02	0.02	0.02	0.03	0.06	0.04	0.11	0.06	0.08	0.04	0.08	0.12	0.41	0.35	0.13	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 April 2004: Westford



Wind Rose: April 2004  
**Westford**



Maximum direction of wind: 807.0 miles from 180°.  
3045.7 total miles of wind.