

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### June 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		11	12	13	14	15	16	17	18	19	20	21	22	23	
1	57.0	47.0	52.0	50.9	47	88	13	0	..3.....	0	0.61	0.0	29.62	29.53	29.568	4.7	4.4	173	26	S	6	135	
2	61.0	43.3	52.1	53.4	49	85	13	0	.....	0	0.42	0.0	29.85	29.56	29.695	3.2	1.6	248	19	WNW	0	0	
3	62.7	42.2	52.5	51.3	47	85	12	0	..3.5....	0	0.22	0.0	30.10	29.84	29.923	1.0	0.6	294	22	WNW	0	0	
4	66.8	42.2	54.5	53.9	44	72	10	0	.....	0	0.00	0.0	30.21	30.10	30.104	1.7	1.6	293	16	W	5	289	
5	74.9	41.5	58.2	59.2	46	66	6	0	.....	0	0.00	0.0	30.19	30.06	30.129	1.3	1.1	190	12	SE	4	196	
6	66.0	51.7	58.9	58.4	45	60	6	0	.....	0	T	0.0	30.13	30.00	30.069	1.7	1.6	186	18	SSW	0	0	
7	75.6	51.3	63.4	61.9	53	75	1	0	.....	0	0.01	0.0	30.05	29.99	30.013	2.6	2.2	195	21	SSW	0	305	
8	84.3*	54.7	69.5	71.8	60	68	0	5	.....	0	0.00	0.0	30.08	29.86	29.982	3.0	2.7	206	17	SSW	0	0	
9	83.8	60.9	72.4*	71.4	65	80	0	8	..3.....	0	0.55	0.0	29.87	29.74	29.809	3.2	2.6	217	44	W	0	0	
10	63.9	49.9	56.9	56.2	43	61	8	0	.....	0	0.00	0.0	29.98	29.82	29.922	2.1	1.7	324	20	N	0	0	
11	64.2	38.8*	51.5*	53.5	38	58	13	0	.....	0	0.00	0.0	30.01	29.92	29.961	1.8	1.5	306	18	WNW	0	0	
12	67.3	39.6	53.5	54.0	41	64	11	0	.....	0	0.00	0.0	30.16	29.99	30.097	1.0	0.9	302	19	WNW	0	0	
13	74.7	44.5	59.6	62.4	49	62	5	0	.....	0	0.00	0.0	30.14	29.88	30.033	4.6	4.5	189	27	S	0	0	
14	76.3	59.2	67.8	66.8	57	71	0	3	.....	0	0.01	0.0	29.90	29.77	29.824	7.3	7.2	186	31	S	5	188	
15	78.5	61.5	70.0	69.9	60	74	0	6	.....	0	0.45	0.0	29.99	29.72	29.844	3.6	3.1	251	20	W	0	0	
16	75.4	55.0	65.2	64.4	55	72	0	0	.....	0	0.00	0.0	30.15	29.99	30.075	0.8	0.7	314	11	WNW	0	0	
17	78.6	54.1	66.3	66.2	58	78	0	2	.....	0	0.00	0.0	30.03	29.86	29.950	0.5	0.4	210	12	WSW	0	0	
18	82.6	53.9	68.3	69.1	62	81	0	4	.....	0	0.00	0.0	29.88	29.73	29.817	0.7	0.5	230	10	SSW	0	0	
19	71.8	48.8	60.3	63.7	55	75	4	0	.....	0	0.20	0.0	29.87	29.64	29.729	4.2	3.7	273	26	WNW	0	169	
20	68.4	43.9	56.2	56.5	42	60	9	0	.....	0	0.00	0.0	29.94	29.81	29.881	2.9	2.6	272	18	W	0	0	
21	72.7	52.9	62.8	62.5	47	58	2	0	.....	0	0.00	0.0	29.88	29.75	29.817	3.4	2.9	228	19	WSW	0	0	
22	66.0	53.1	59.5	59.3	57	92	5	0	..3.....	0	0.29	0.0	29.80	29.62	29.713	2.2	2.0	183	14	S	0	0	
23	74.7	51.9	63.3	63.6	55	76	1	0	.....	0	0.00	0.0	29.94	29.70	29.830	1.8	1.5	270	14	W	0	0	
24	79.0	47.4	63.2	66.0	55	70	2	0	.....	0	0.00	0.0	29.96	29.83	29.906	3.8	3.6	185	25	SSW	0	0	
25	71.8	46.7	59.3	55.1	50	84	5	0	.....	0	0.75	0.0	30.11	29.83	30.021	1.3	0.4	240	26	S	2	165	
26	68.8	42.1	55.5	53.7	47	81	9	0	.....	0	0.14	0.0	29.97	29.77	29.871	1.3	0.9	275	27	W	0	0	
27	69.6	48.8	59.2	58.7	48	69	5	0	.....	0	0.00	0.0	29.93	29.84	29.884	3.7	3.2	236	21	WSW	0	0	
28	68.9	51.9	60.4	60.1	50	69	4	0	.....	0	0.01	0.0	30.00	29.92	29.952	1.8	1.6	233	17	WSW	3	266	
29	71.1	53.9	62.5	59.5	54	85	2	0	..3.....	0	0.19	0.0	29.97	29.91	29.936	1.5	1.3	203	16	WSW	0	0	
30	74.7	52.0	63.3	61.8	54	79	1	0	.....	0	0.01	0.0	30.06	29.94	30.027	2.1	1.6	234	16	W	0	0	
Sum	Sum	-----	-----	---	-----	-----	Ttl	Ttl					For the month:						---				
2151	1485						147	28	Number of Days	3.86	0.0	30.21	29.53	29.913	2.5	1.6	225	44	W	6	135		
Avg	Avg	Avg	Mean	Avg	Avg	-----	-----	Precip	Season Ttl	Date	Date	-----	-----	-----	-----	-----	-----	Date	Date	Avg			
71.7	49.5	60.6	60.5	51	73.3	-----	-----	≥.01 inch	14	14.95	124.5	4	1	-----	-----	-----	9	1					
Number of Days							Season to Date	Snow, Ice ≥1.0 inch	0	Greatest in 24 Hours and Dates					Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date								
Max Temperature			Min Temperature			8427	47	Thunder	5	Precipitation		Snow, Ice Plts											
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	-----	-----	Heavy Fog	0	0.75	25	0.0	-	0					-						
0	0	0	0	-----	-----	Clear	6	Partly Cloudy			20	Cloudy			4								

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

## June 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
JUN 01									JUN 02									JUN 03									
01		29.60	0.00	56	46	67	20	3	11	29.57	0.00	51	49	94	18	4	12	29.85	0.00	43	42	96	13	0	2		
04		29.59	0.00	49	48	96	13	1	6	29.56	0.01	53	51	96	18	3	6	29.84	0.00	46	45	96	15	1	3		
07		29.57	0.01	47	46	95	13	3	7	29.59	0.00	54	52	96	20	5	11	29.88	0.00	49	45	88	18	0	3		
10		29.55	0.00	48	45	88	13	6	13	29.67	0.00	55	52	91	29	4	8	29.91	0.00	56	51	82	27	4	10		
13		29.54	0.00	53	46	77	18	9	19	29.72	0.00	59	51	74	29	2	6	29.89	0.00	60	50	68	27	2	6		
16		29.53	0.00	55	48	79	18	8	18	29.75	0.00	60	47	62	29	3	10	29.94	0.00	53	48	82	27	1	5		
19		29.55	0.00	52	49	88	18	5	12	29.80	0.00	58	45	64	29	1	3	29.97	0.00	58	49	74	27	0	3		
22		29.61	0.02	50	49	96	18	0	3	29.85	0.00	46	45	94	00	0	0	30.07	0.00	49	47	95	00	0	0		
JUN 04									JUN 05									JUN 06									
01		30.12	0.00	47	44	89	31	3	10	30.16	0.00	45	43	93	00	0	0	30.09	0.00	58	40	52	20	1	4		
04		30.15	0.00	44	41	88	00	0	0	30.16	0.00	42	41	96	00	0	0	30.10	0.00	53	39	59	15	0	1		
07		30.20	0.00	46	43	89	33	1	3	30.17	0.00	46	46	98	00	0	0	30.11	0.00	56	37	50	15	0	2		
10		30.21	0.00	54	45	71	29	4	11	30.18	0.00	64	49	60	13	2	6	30.12	0.00	59	43	56	15	0	3		
13		30.19	0.00	62	47	57	29	2	10	30.13	0.00	72	52	51	24	1	7	30.08	0.00	63	48	59	18	4	11		
16		30.14	0.00	66	42	43	31	1	7	30.09	0.00	74	51	43	20	1	5	30.03	0.00	66	51	60	18	2	7		
19		30.14	0.00	66	47	51	00	0	2	30.06	0.00	72	49	44	18	2	7	30.01	0.00	62	51	68	18	4	9		
22		30.17	0.00	49	45	85	00	0	0	30.08	0.00	60	43	54	18	3	7	30.01	0.00	56	45	67	20	0	3		
JUN 07									JUN 08									JUN 09									
01		30.01	0.00	55	46	70	20	2	7	30.05	0.00	57	52	83	20	1	3	29.86	0.00	72	60	68	18	2	6		
04		30.00	0.00	52	49	89	20	3	11	30.06	0.00	58	54	86	20	2	3	29.83	0.00	72	62	71	18	4	8		
07		30.03	0.00	53	50	89	18	3	8	30.05	0.00	63	57	80	20	5	10	29.84	0.00	72	64	75	20	5	10		
10		30.02	0.00	62	55	78	18	7	13	30.06	0.00	75	63	67	18	4	10	29.84	0.00	79	69	71	20	6	12		
13		30.00	0.00	72	59	65	24	2	7	30.00	0.00	82	64	55	24	3	16	29.84	0.00	65	64	95	29	3	7		
16		30.01	0.00	75	61	60	29	3	10	29.91	0.00	84	66	54	20	4	10	29.76	0.00	73	68	84	22	3	8		
19		30.01	0.00	75	58	57	00	0	0	29.87	0.00	82	61	50	22	1	5	29.77	0.01	68	67	96	00	0	1		
22		30.04	0.00	57	53	88	00	0	0	29.89	0.00	72	59	62	20	2	7	29.81	0.00	63	62	95	29	2	6		
JUN 10									JUN 11									JUN 12									
01		29.86	0.00	57	54	88	00	1	6	29.94	0.00	50	40	70	00	1	6	30.01	0.00	45	38	75	00	0	0		
04		29.87	0.00	54	45	72	00	2	8	29.97	0.00	45	34	64	00	0	5	30.05	0.00	41	37	85	00	0	0		
07		29.96	0.00	50	41	72	04	2	8	30.00	0.00	44	38	78	00	0	0	30.10	0.00	46	39	76	02	0	3		
10		29.97	0.00	55	42	60	33	1	5	30.00	0.00	56	38	50	29	2	7	30.13	0.00	59	41	52	02	1	6		
13		29.97	0.00	59	43	55	27	3	11	29.96	0.00	59	42	52	29	3	10	30.15	0.00	62	42	49	29	4	11		
16		29.92	0.00	62	43	49	29	4	12	29.92	0.00	63	43	47	27	4	8	30.11	0.00	65	45	47	29	0	3		
19		29.90	0.00	62	39	43	29	4	8	29.92	0.00	62	36	37	29	5	11	30.10	0.00	66	42	41	02	0	3		
22		29.92	0.00	51	37	59	24	0	5	29.95	0.00	50	39	66	00	0	0	30.11	0.00	50	44	78	00	0	0		
JUN 13									JUN 14									JUN 15									
01		30.13	0.00	46	42	86	00	0	0	29.90	0.00	63	50	63	20	5	15	29.76	0.00	69	63	81	20	3	11		
04		30.10	0.00	49	42	77	20	2	5	29.85	0.00	61	47	61	18	8	26	29.72	0.00	63	62	96	22	0	1		
07		30.11	0.00	54	43	65	18	3	6	29.83	0.00	62	51	68	20	8	18	29.82	0.00	62	62	99	29	2	5		
10		30.10	0.00	66	48	54	18	7	18	29.85	0.00	60	55	85	18	6	17	29.86	0.00	69	61	77	24	5	14		
13		30.04	0.00	72	53	51	20	6	12	29.81	0.00	71	62	73	18	7	16	29.87	0.00	75	62	63	24	5	12		
16		29.98	0.00	75	55	51	20	7	20	29.78	0.00	75	63	67	20	9	21	29.86	0.00	78	59	53	27	6	14		
19		29.93	0.00	72	54	53	18	8	16	29.78	0.00	74	63	69	18	7	14	29.88	0.00	75	58	55	29	3	8		
22		29.89	0.00	66	53	62	18	9	27	29.80	0.00	69	62	78	18	4	10	29.96	0.00	68	58	69	27	4	10		
JUN 16									JUN 17									JUN 18									
01		30.01	0.00	61	54	78	00	0	0	30.02	0.00	55	54	95	00	0	0	29.86	0.00	57	56	97	00	0	0		
04		30.06	0.00	56	53	89	00	0	0	30.01	0.00	54	53	95	27	0	2	29.86	0.00	55	54	98	00	0	0		
07		30.12	0.00	58	52	80	00	1	6	29.99	0.00	62	59	91	00	0	0	29.87	0.00	59	58	98	00	0	0		
10		30.14	0.00	66	52	60	29	2	5	29.98	0.00	68	61	78	18	1	5	29.86	0.00	74	66	77	27	0	2		
13		30.12	0.00	72	59	64	33	1	6	29.96	0.00	76	64	66	27	2	5	29.82	0.00	79	65	64	29	4	7		
16		30.08	0.00	74	59	59	29	3	10	29.90	0.00	79	62	56	20	2	5	29.78	0.00	81	65	59	13	0	2		
19		30.04	0.00	74	59	58	27	0	2	29.87	0.00	76	57	53	18	0	2	29.75	0.00	76	68	75	13	0	2		
22		30.05	0.00	57	54	90	00	0	0	29.89	0.00	60	58	94	00	0	0	29.75	0.00	72	66	81	22	1	5		

### 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

## June 2004: Westford

Hour	JUN 19									JUN 20									JUN 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		29.74	0.00	67	65	93	18	2	6		29.87	0.00	44	38	78	00	0	0		29.83	0.00	57	41	55	20	5	18
04		29.69	0.00	68	64	88	20	0	3		29.90	0.00	45	38	75	31	1	6		29.85	0.00	56	44	65	24	4	9
07		29.70	0.00	65	63	95	27	3	9		29.94	0.00	49	42	76	31	2	10		29.88	0.00	54	44	69	20	4	10
10		29.68	0.00	66	62	87	27	5	11		29.93	0.00	58	47	68	31	3	12		29.84	0.00	65	51	60	22	5	11
13		29.65	0.00	70	61	72	27	5	10		29.90	0.00	63	46	52	29	3	9		29.81	0.00	70	53	55	20	5	11
16		29.70	0.00	68	50	52	27	9	17		29.84	0.00	67	44	44	27	4	11		29.79	0.00	72	48	43	29	6	10
19		29.76	0.00	60	45	57	29	9	20		29.82	0.00	64	43	46	27	3	10		29.75	0.00	71	50	47	31	0	2
22		29.86	0.00	52	38	57	29	3	10		29.85	0.00	59	43	55	24	2	6		29.78	0.00	61	46	58	20	0	3
JUN 22									JUN 23									JUN 24									
01		29.78	0.00	54	48	82	00	0	0		29.70	0.00	61	60	97	20	0	3		29.95	0.00	53	51	94	04	0	2
04		29.78	0.00	54	52	94	00	0	0		29.74	0.00	59	56	90	20	2	6		29.94	0.00	49	48	96	00	0	0
07		29.76	0.01	55	53	93	18	2	6		29.79	0.00	58	55	89	24	5	11		29.95	0.00	55	54	98	18	1	5
10		29.74	0.00	58	56	92	15	4	9		29.83	0.00	64	54	71	29	5	10		29.95	0.00	70	58	66	18	3	16
13		29.69	0.00	63	60	88	11	3	12		29.85	0.00	71	55	57	27	3	7		29.89	0.00	76	59	56	15	7	21
16		29.64	0.00	64	63	97	18	4	10		29.86	0.00	74	59	59	29	2	8		29.87	0.00	79	57	48	18	7	18
19		29.63	0.00	64	63	96	18	3	7		29.89	0.00	73	53	50	27	1	5		29.88	0.00	77	60	56	20	6	17
22		29.66	0.00	62	62	97	20	2	3		29.93	0.00	55	51	86	00	0	0		29.86	0.00	72	58	61	20	5	12
JUN 25									JUN 26									JUN 27									
01		29.90	0.00	65	57	74	29	9	20		29.96	0.00	45	44	96	00	0	0		29.86	0.00	52	47	85	22	1	6
04		30.00	0.01	53	52	97	00	1	6		29.92	0.00	43	42	97	00	0	0		29.87	0.00	51	45	79	24	2	7
07		30.08	0.00	49	48	95	00	0	0		29.91	0.00	45	45	98	00	0	0		29.93	0.00	51	46	82	18	3	7
10		30.08	0.00	57	48	74	00	1	3		29.87	0.00	61	49	64	00	0	1		29.90	0.00	62	52	68	24	4	11
13		30.07	0.00	58	48	68	00	0	0		29.82	0.00	66	46	49	15	1	3		29.86	0.00	67	54	62	22	4	12
16		30.06	0.00	58	50	73	18	1	3		29.78	0.00	68	50	51	29	5	12		29.85	0.00	66	46	47	24	7	13
19		29.99	0.00	57	51	80	18	1	6		29.84	0.00	53	49	85	24	1	5		29.87	0.00	65	47	53	27	5	11
22		29.98	0.00	51	49	92	18	0	2		29.85	0.00	51	48	90	18	1	4		29.92	0.00	56	52	86	20	0	2
JUN 28									JUN 29									JUN 30									
01		29.93	0.00	57	48	72	22	0	2		29.93	0.00	55	51	89	00	0	0		29.95	0.00	54	53	95	20	3	11
04		29.94	0.00	52	48	86	20	0	3		29.93	0.00	54	52	92	18	2	5		29.97	0.00	53	52	94	20	1	3
07		29.98	0.00	56	50	82	20	1	5		29.96	0.00	55	54	97	18	1	4		30.03	0.00	56	55	96	22	1	4
10		29.99	0.00	63	53	71	24	3	7		29.96	0.00	62	56	79	24	2	7		30.06	0.00	63	54	73	24	5	10
13		29.97	0.00	67	51	55	29	7	14		29.94	0.00	68	56	66	27	3	7		30.05	0.00	69	58	67	27	4	9
16		29.95	0.00	65	47	51	22	3	7		29.91	0.00	67	52	60	18	1	5		30.05	0.00	73	54	51	31	3	8
19		29.93	0.00	64	48	56	24	1	5		29.92	0.00	59	58	95	09	0	2		30.04	0.00	73	56	55	31	0	2
22		29.94	0.00	58	50	74	00	0	0		29.94	0.00	58	54	88	20	0	2		30.06	0.00	56	53	90	00	0	0

### 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		29.907	55	49	82	1.5	22	1.0
04		29.911	53	48	86	1.3	20	0.9
07		29.937	54	50	85	2.0	21	1.4
10		29.942	62	53	71	3.4	23	2.0
13		29.918	67	54	63	3.6	24	2.3
16		29.893	69	53	58	3.8	24	2.7
19		29.889	67	52	62	2.3	23	1.5
22		29.916	58	51	78	1.3	21	1.0

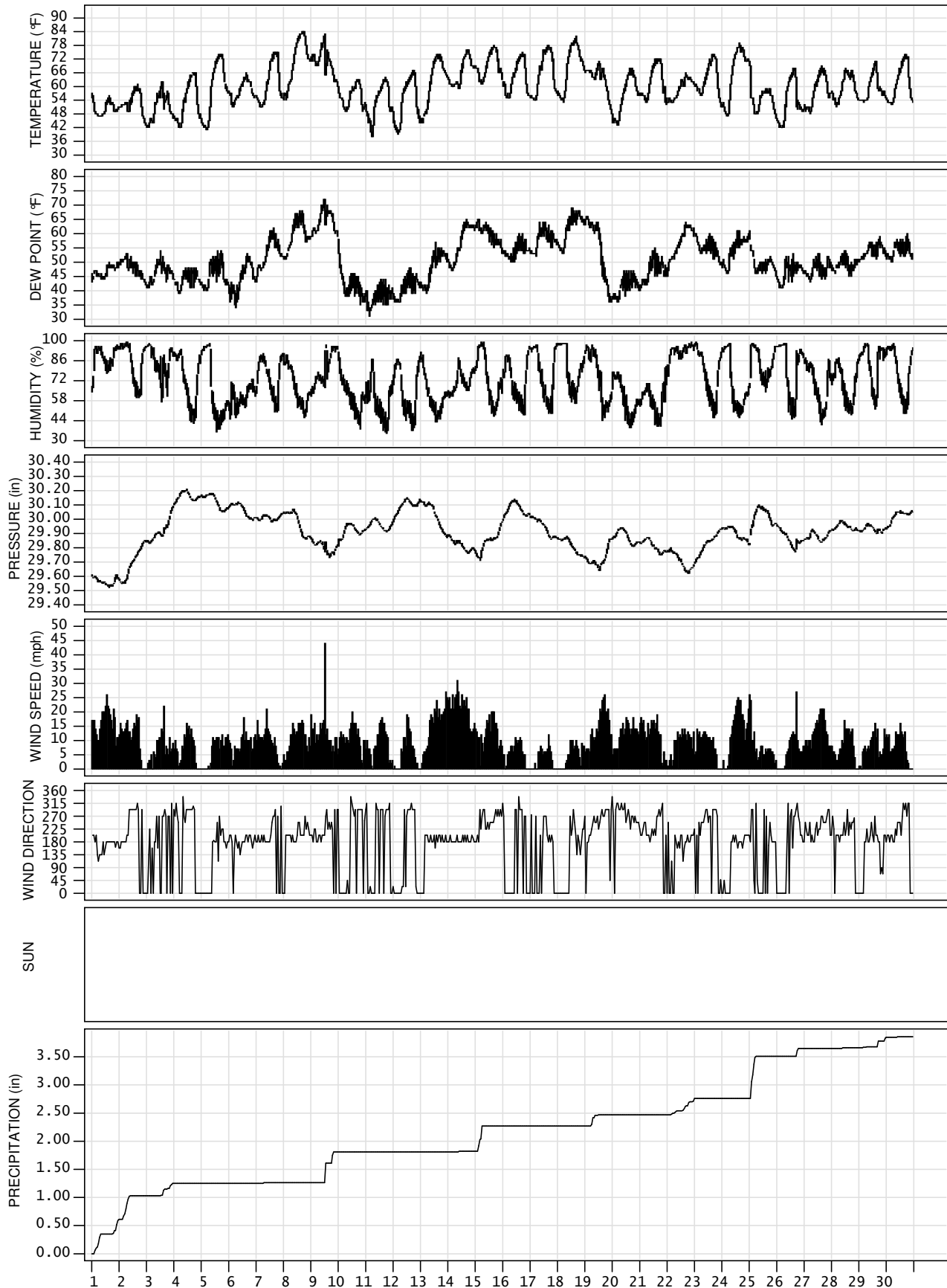
## HOURLY PRECIPITATION (Water Equivalent) June 2004: Westford

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			0.06	0.04	0.02	0.06	0.11	0.06										0.01	0.05		0.11	0.07	0.02	01	
02			0.06	0.04	0.04	0.09	0.09	0.08	0.05	0.01								0.01			0.05	0.02	0.02	02	
03																				0.05	0.02			03	
04																								04	
05																								05	
06																								06	
07							0.01																	07	
08																								08	
09																			0.14	0.06				09	
10																								10	
11																								11	
12																								12	
13																								13	
14										0.01														14	
15			0.10	0.11	0.01	0.23																		15	
16																								16	
17																								17	
18																								18	
19						0.03	0.12		0.04			0.01												19	
20																								20	
21																								21	
22				0.01	0.02		0.01	0.02	0.01					0.01	0.03	0.04	0.01		0.06	0.01		0.01	0.05	22	
23																								23	
24																								24	
25		0.30	0.12	0.19	0.12	0.02																		25	
26																	0.10	0.04						26	
27																								27	
28										0.01														28	
29			0.01				0.01									0.10						0.05	0.02	29	
30										0.01														30	
Sum	0.00	0.30	0.28	0.42	0.21	0.43	0.35	0.16	0.10	0.04	0.00	0.01	0.36	0.01	0.12	0.06	0.11	0.10	0.26	0.12	0.05	0.13	0.15	0.09	Sum

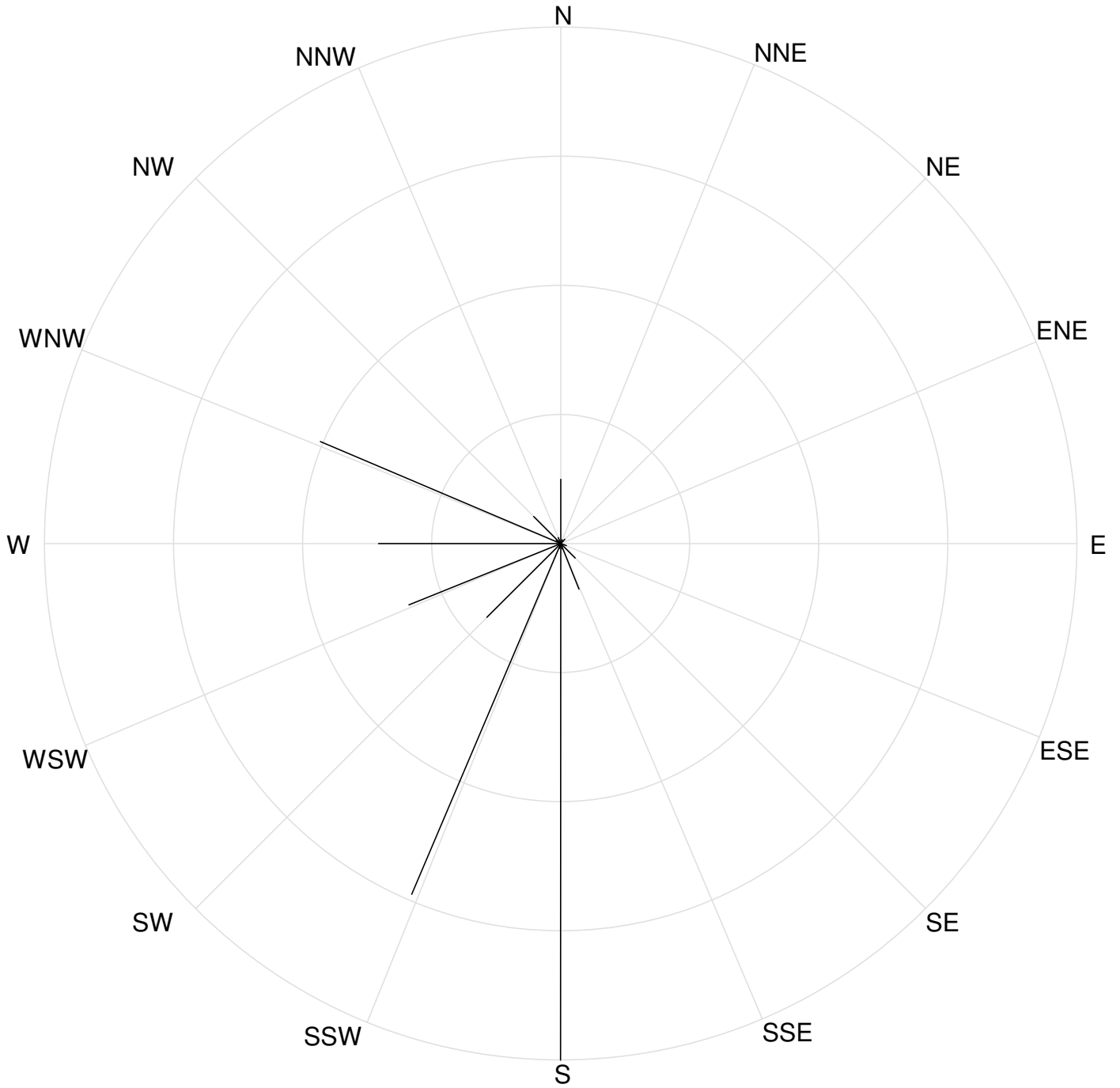
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

# HOUR-BY-HOUR DATA

## June 2004: Westford



Wind Rose: June 2004  
**Westford**



Maximum direction of wind: 506.8 miles from 180°.  
1791.5 total miles of wind.