

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

June 2003

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 Speed	Res Speed	Res Dir	Peak			Minute	
														Maximum	Minimum	Mean				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	54.8	43.3	49.0*	48.3	48	97	16	0	12.....	0	0.45	0.0	29.71	29.56	29.619	1.7	1.4	337	18	WNW	5	16		
2	63.5	41.1	52.3	52.4	38	62	13	0	.....	0	0.00	0.0	29.87	29.70	29.764	3.3	2.8	287	24	NW	0	0	
3	67.6	42.3	54.9	55.2	38	53	11	0	.....	0	0.00	0.0	29.95	29.87	29.903	3.3	2.2	255	19	WNW	0	0	
4	71.1	39.6	55.3	57.7	41	57	10	0	.....	0	0.00	0.0	30.01	29.83	29.937	1.0	0.8	333	13	WNW	0	0	
5	63.2	52.2	57.7	55.6	50	81	8	0	.....	0	0.17	0.0	29.83	29.69	29.742	0.5	0.3	307	11	WNW	0	0	
6	76.3	51.0	63.7	62.6	54	75	2	0	.....	0	0.01	0.0	29.93	29.70	29.824	2.5	1.9	259	17	W	0	0	
7	67.6	54.4	61.0	61.6	56	83	4	0	.....	0	0.00	0.0	29.96	29.83	29.898	1.6	1.3	189	16	SSW	4	181	
8	76.7	51.6	64.1	64.6	57	77	1	0	.....	0	0.00	0.0	29.84	29.74	29.804	1.4	1.1	197	14	SSW	0	0	
9	69.8	58.6	64.2	62.8	56	78	1	0	.....	0	0.05	0.0	29.76	29.61	29.676	5.4	4.9	190	27	S	0	0	
10	67.4	47.7	57.6	57.7	46	68	8	0	.....	0	0.00	0.0	30.02	29.71	29.939	3.4	3.2	274	24	WNW	0	0	
11	69.1	46.4	57.8	60.7	57	89	8	0	.....	0	0.13	0.0	29.96	29.70	29.795	4.4	3.8	189	27	S	0	0	
12	71.6	47.0	59.3	59.8	52	78	6	0	.....	0	0.02	0.0	30.02	29.86	29.971	0.7	0.5	351	10	WNW	0	0	
13	64.7	48.5	56.6	57.1	51	80	9	0	.....	0	0.88	0.0	29.99	29.84	29.940	2.1	2.0	142	21	SE	0	0	
14	61.3	53.9	57.6	57.2	56	97	8	0	.....	0	0.39	0.0	29.88	29.76	29.805	1.8	1.2	179	18	SSE	0	0	
15	67.1	47.1	57.1	59.0	54	83	8	0	.....	0	0.03	0.0	30.15	29.86	29.968	2.5	2.0	293	21	WNW	0	0	
16	72.0	41.6	56.8	57.1	48	76	9	0	.....	0	0.00	0.0	30.28	30.15	30.221	0.8	0.5	313	13	W	0	0	
17	77.7	49.9	63.8	65.2	54	68	2	0	.....	0	0.00	0.0	30.21	29.97	30.109	3.4	3.2	187	17	SSW	0	0	
18	70.9	56.7	63.8	63.4	53	70	2	0	.....	0	0.00	0.0	29.98	29.76	29.878	5.2	5.1	190	20	S	0	0	
19	69.3	55.4	62.4	61.3	58	90	3	0	.....	0	0.09	0.0	29.84	29.76	29.785	1.8	1.6	192	13	S	0	0	
20	70.3	49.9	60.1	60.3	54	80	5	0	.....	0	0.00	0.0	29.98	29.84	29.934	1.0	0.8	309	14	WNW	2	9	
21	79.2	49.9	64.5	63.9	56	68	1	0	.....	0	0.00	0.0	29.96	29.77	29.883	1.0	0.7	307	14	W	0	0	
22	76.7	58.3	67.5	65.0	60	86	0	2	.....	0	0.00	0.0	29.80	29.69	29.751	0.1	0.1	353	6	WNW	0	0	
23	85.7	55.9	70.8	70.7	62	78	0	5	.....	0	0.00	0.0	29.83	29.70	29.751	0.7	0.6	305	12	W	0	0	
24	90.3	60.2	75.3	76.0	62	65	0	10	.....	0	0.00	0.0	29.92	29.82	29.884	1.0	0.4	259	11	WNW	0	0	
25	85.3	65.2	75.3	75.2	64	70	0	10	.....	0	0.16	0.0	29.93	29.80	29.870	1.6	1.3	206	13	SSE	0	0	
26	91.0*	66.4	78.7*	79.1	71	78	0	13	.....	0	0.00	0.0	29.83	29.67	29.759	1.2	1.1	192	11	S	0	0	
27	83.2	61.2	72.2	72.8	63	73	0	7	.....	0	0.00	0.0	29.89	29.65	29.731	2.5	1.9	267	20	WNW	0	0	
28	82.0	53.2	67.6	67.6	57	70	0	2	.....	0	0.00	0.0	30.04	29.89	29.970	1.1	0.8	202	12	S	0	0	
29	81.2	58.9	70.0	71.1	60	68	0	5	..3.....	0	0.04	0.0	30.07	29.93	30.009	3.6	3.4	188	22	SSE	0	0		
30	76.1	59.5	67.8	67.8	59	77	0	2	..3.....	0	0.34	0.0	30.05	29.95	29.991	3.6	2.6	252	24	W	0	0		
Sum	Sum	-----	-----	---	----	Ttl	Ttl		Number of Days				For the month:						---					
2203	1567					135	56			2.76	0.0	30.28	29.56	29.870	2.1	1.2	227	27	S	5	16			
Avg	Avg	Avg	Mean	Avg	Avg	----	----	Precip		Season Ttl	Date	Date	-----	----	---	Date	Date	Avg						
73.4	52.2	62.8	63.0	54	75.8	----	----	>.01 inch	13	17.13	96.8	16	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			8410	57	Thunder	2	Precipitation			Snow, Ice Plts											
> 90°F	< 32°F	< 32°F	< 0°F	----	----	Heavy Fog	1	1.23	13-14	0.0	-	0						-						
2	0	0	0	----	----	Clear	14	Partly Cloudy	9	Cloudy	7													

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

June 2003: 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	Direction	Speed	Gust						Direction	Speed	Gust			
JUN 01									JUN 02									JUN 03															
01	29.59	0.00	55	54	98	00	1	6	29.70	0.00	43	41	91	00	0	0	29.88	0.00	45	33	63	24	0	3									
04	29.56	0.00	53	52	97	00	2	7	29.72	0.00	43	38	83	31	1	10	29.88	0.00	43	34	70	20	4	7									
07	29.59	0.01	51	51	98	00	1	7	29.76	0.00	43	41	92	24	0	3	29.92	0.00	47	35	63	18	6	12									
10	29.59	0.00	49	49	98	02	2	7	29.77	0.00	56	41	58	27	3	6	29.92	0.00	60	39	46	24	4	11									
13	29.61	0.00	47	47	98	00	3	8	29.74	0.00	62	41	45	29	7	16	29.91	0.00	65	47	52	29	5	10									
16	29.63	0.00	45	45	98	31	3	7	29.75	0.00	63	36	37	31	9	24	29.88	0.00	66	37	34	29	7	14									
19	29.66	0.00	45	43	96	29	3	10	29.80	0.00	59	33	38	29	3	10	29.90	0.00	62	36	38	29	5	12									
22	29.70	0.00	44	41	91	00	1	6	29.86	0.00	49	31	49	31	0	3	29.93	0.00	52	38	58	00	0	0									
JUN 04									JUN 05									JUN 06															
01	29.97	0.00	50	38	64	00	0	0	29.82	0.00	54	46	73	00	0	0	29.71	0.00	53	52	97	18	0	1									
04	29.96	0.00	43	38	81	00	0	0	29.79	0.00	55	39	55	09	1	7	29.73	0.00	52	51	96	20	2	5									
07	30.00	0.00	45	42	88	00	0	0	29.78	0.00	53	48	83	18	1	3	29.79	0.00	55	51	87	24	3	10									
10	30.00	0.00	62	38	40	04	1	3	29.74	0.00	57	49	75	04	1	5	29.86	0.00	62	54	75	20	6	12									
13	29.95	0.00	69	34	27	00	1	3	29.72	0.00	63	49	61	00	0	0	29.86	0.00	71	54	56	27	5	10									
16	29.90	0.00	68	47	46	31	1	8	29.71	0.00	55	53	95	29	1	3	29.84	0.00	75	54	48	29	4	11									
19	29.86	0.00	70	45	41	29	0	2	29.69	0.00	56	54	93	00	0	3	29.87	0.00	74	56	54	29	1	3									
22	29.85	0.00	53	42	66	00	0	0	29.72	0.00	53	52	97	27	2	6	29.91	0.00	59	54	82	00	0	0									
JUN 07									JUN 08									JUN 09															
01	29.95	0.00	58	55	89	18	2	3	29.82	0.00	59	55	89	20	0	2	29.74	0.00	61	54	79	18	4	13									
04	29.92	0.00	56	54	95	00	0	0	29.83	0.00	53	52	97	00	0	0	29.70	0.00	61	54	78	18	6	12									
07	29.95	0.00	58	56	92	18	2	5	29.84	0.00	55	55	98	00	0	0	29.69	0.00	60	55	85	20	2	7									
10	29.92	0.00	66	58	76	00	0	0	29.83	0.00	68	59	72	24	2	6	29.70	0.00	63	57	80	18	8	19									
13	29.90	0.00	67	60	76	15	0	2	29.82	0.00	71	61	71	00	0	0	29.66	0.00	65	57	74	18	5	11									
16	29.88	0.00	64	58	80	18	4	10	29.78	0.00	76	58	54	20	1	5	29.62	0.00	70	59	69	20	9	20									
19	29.84	0.00	64	56	74	18	4	8	29.74	0.00	73	58	59	18	2	7	29.62	0.00	65	60	84	18	4	10									
22	29.84	0.00	59	55	86	20	0	2	29.78	0.00	64	58	79	18	4	10	29.68	0.00	62	49	63	24	4	12									
JUN 10									JUN 11									JUN 12															
01	29.74	0.00	57	53	87	24	4	13	29.95	0.00	47	44	90	00	0	0	29.88	0.00	55	54	96	00	1	3									
04	29.85	0.00	54	47	79	27	5	12	29.89	0.00	50	49	95	00	0	0	29.93	0.00	50	49	97	00	0	0									
07	29.96	0.00	52	45	77	31	3	10	29.83	0.00	59	54	85	18	2	7	29.98	0.00	52	52	99	00	0	0									
10	30.00	0.00	59	47	64	27	4	16	29.75	0.00	66	59	77	18	11	19	30.01	0.00	63	56	78	06	1	7									
13	30.00	0.00	62	43	50	29	7	14	29.72	0.00	64	60	87	18	10	19	30.00	0.00	68	52	56	00	2	8									
16	29.98	0.00	67	43	41	27	1	7	29.72	0.00	67	63	86	18	8	17	29.99	0.00	71	53	54	29	2	6									
19	29.98	0.00	62	50	64	00	0	0	29.73	0.00	66	65	94	18	3	11	29.98	0.00	67	52	59	33	0	3									
22	29.98	0.00	51	45	78	00	0	0	29.80	0.00	61	61	99	29	5	13	30.00	0.00	56	49	75	04	0	2									
JUN 13									JUN 14									JUN 15															
01	29.99	0.00	54	47	77	09	0	3	29.82	0.01	54	53	94	15	4	10	29.88	0.00	56	55	99	00	0	0									
04	29.97	0.00	50	47	88	00	0	0	29.77	0.00	54	53	95	15	3	8	29.86	0.00	57	56	99	22	3	7									
07	29.96	0.00	58	51	76	13	1	5	29.77	0.01	56	55	98	24	1	3	29.90	0.00	58	56	96	29	3	10									
10	29.96	0.00	65	51	62	18	5	13	29.77	0.00	58	58	98	18	2	6	29.94	0.00	61	57	88	29	5	16									
13	29.97	0.00	62	52	69	11	3	8	29.80	0.00	60	58	96	20	2	5	29.97	0.00	63	55	74	29	6	12									
16	29.94	0.00	59	53	81	18	3	10	29.81	0.00	58	58	97	00	1	6	30.00	0.00	62	53	70	00	1	7									
19	29.90	0.00	55	53	93	13	7	21	29.83	0.00	58	57	97	00	0	0	30.05	0.00	61	51	70	00	0	3									
22	29.86	0.00	55	53	94	13	3	8	29.87	0.00	57	57	99	29	0	2	30.12	0.00	51	48	91	00	0	0									
JUN 16									JUN 17									JUN 18															
01	30.17	0.00	46	45	97	00	0	0	30.21	0.00	51	51	98	00	0	0	29.97	0.00	62	50	65	20	6	13									
04	30.20	0.00	43	42	98	00	0	0	30.20	0.00	55	49	82	18	4	10	29.96	0.00	60	51	72	20	6	12									
07	30.25	0.00	46	46	99	02	0	2	30.20	0.00	58	51	79	20	4	7	29.96	0.00	58	52	78	20	5	12									
10	30.27	0.00	61	47	59	00	1	6	30.18	0.00	67	56	68	20	6	12	29.93	0.00	64	54	72	18	6	13									
13	30.25	0.00	67	49	51	27	1	3	30.11	0.00	74	57	56	15	5	14	29.87	0.00	65	55	71	18	5	12									
16	30.22	0.00	70	53	54	31	1	5	30.03	0.00	77	56	49	18	4	7	29.82	0.00	69	57	65	18	5	12									
19	30.20	0.00	71	55	57	29	1	3	29.99	0.00	74	56	52	18	3	11	29.76	0.00	68	53	58	20	4	11									
22	30.21	0.00	54	52	90	00	0	0	29.98	0.00	65	53	64	18	3	7	29.78	0.00	60	54	81	20	6	11									

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 2003: 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	29.79	0.00	58	55	90	18	5	10	29.84	0.00	58	57	99	00	1	6	29.95	0.00	51	51	98	00	0	0	0		
04	29.77	0.00	57	55	95	18	2	6	29.89	0.00	54	54	98	00	1	5	29.95	0.00	52	52	99	00	0	0	0		
07	29.77	0.00	59	56	92	18	5	12	29.97	0.00	51	49	90	00	0	2	29.96	0.00	54	53	99	00	0	0	0		
10	29.78	0.00	64	60	88	20	2	6	29.98	0.00	62	53	73	27	3	10	29.94	0.00	60	58	0	00	0	0	0		
13	29.77	0.00	67	61	81	29	1	1	29.96	0.00	66	57	73	27	3	12	29.89	0.00	75	65	72	29	3	2	7		
16	29.76	0.00	67	60	78	02	1	1	29.95	0.00	70	54	57	27	2	5	29.83	0.00	74	54	49	29	3	1	0		
19	29.79	0.00	62	61	97	02	0	0	29.93	0.00	69	54	58	33	0	2	29.78	0.00	76	58	55	02	0	0	3		
22	29.83	0.00	59	58	98	00	0	0	29.95	0.00	55	51	89	00	0	0	29.80	0.00	66	54	67	00	0	0	0		
JUN 22									JUN 23									JUN 24									
01	29.80	0.00	60	58	92	00	0	0	29.71	0.00	59	58	99	00	0	0	29.83	0.00	67	61	81	18	0	0	2		
04	29.76	0.00	59	58	98	00	0	0	29.70	0.00	57	56	99	00	0	0	29.85	0.00	62	60	92	00	0	0	0		
07	29.78	0.00	60	59	95	00	0	0	29.74	0.00	61	61	99	00	0	0	29.90	0.00	66	62	89	00	0	0	0		
10	29.80	0.00	66	58	75	04	0	3	29.76	0.00	76	62	62	04	0	1	29.91	0.00	80	67	66	15	2	6	6		
13	29.75	0.00	73	65	77	29	0	2	29.76	0.00	81	63	54	29	4	8	29.91	0.00	87	69	55	27	0	4	4		
16	29.73	0.00	67	64	91	31	0	1	29.75	0.00	83	63	51	29	5	10	29.88	0.00	89	64	44	29	5	10	10		
19	29.70	0.00	73	65	77	00	0	1	29.77	0.00	79	69	70	00	0	0	29.88	0.00	85	67	56	00	0	0	2		
22	29.72	0.00	60	60	97	00	0	0	29.81	0.00	67	62	83	00	0	0	29.90	0.00	70	56	61	13	0	0	1		
JUN 25									JUN 26									JUN 27									
01	29.91	0.00	72	57	60	20	2	5	29.81	0.00	70	67	90	18	0	1	29.68	0.00	71	69	94	18	0	0	2		
04	29.90	0.00	72	57	60	20	1	6	29.81	0.00	68	66	96	00	0	0	29.65	0.00	73	65	76	18	3	6	6		
07	29.91	0.00	70	58	65	18	4	8	29.82	0.00	72	68	87	20	1	5	29.68	0.00	73	67	83	18	2	5	5		
10	29.92	0.00	80	65	61	22	3	7	29.81	0.00	81	72	72	18	3	7	29.69	0.00	82	70	67	27	2	7	7		
13	29.86	0.00	84	66	55	27	3	10	29.75	0.00	88	76	68	18	2	9	29.71	0.00	79	67	66	27	3	7	7		
16	29.80	0.00	84	68	58	20	4	11	29.72	0.00	90	74	60	18	2	6	29.75	0.00	75	64	70	29	2	7	7		
19	29.82	0.00	79	72	81	20	0	2	29.68	0.00	85	76	73	18	0	1	29.80	0.00	71	56	59	29	4	12	5		
22	29.83	0.00	70	69	94	15	0	2	29.68	0.00	79	72	78	20	2	7	29.86	0.00	62	51	66	24	1	5	5		
JUN 28									JUN 29									JUN 30									
01	29.89	0.00	60	52	75	00	0	0	30.05	0.00	60	58	93	00	0	0	29.96	0.00	65	64	97	18	2	1	7		
04	29.92	0.00	55	52	89	00	0	0	30.04	0.00	63	56	76	18	2	5	29.96	0.00	62	60	95	22	1	3	3		
07	29.96	0.00	61	56	82	18	0	1	30.05	0.00	68	58	69	18	2	6	29.98	0.00	64	63	99	18	2	6	6		
10	29.99	0.00	70	58	67	20	4	8	30.06	0.00	75	61	61	18	8	12	29.99	0.12	66	63	89	18	3	7	7		
13	29.98	0.00	77	60	56	18	4	10	30.02	0.00	79	56	45	18	8	19	30.00	0.00	74	55	51	27	8	17	7		
16	29.98	0.00	79	59	51	29	2	6	29.96	0.00	79	59	49	20	7	14	29.99	0.00	76	61	61	29	4	10	10		
19	29.97	0.00	79	61	54	00	0	0	29.97	0.00	73	61	66	20	2	6	29.99	0.00	72	55	54	29	4	10	10		
22	30.03	0.00	63	58	83	00	0	0	29.95	0.00	68	63	83	18	3	7	30.03	0.00	61	54	78	00	0	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

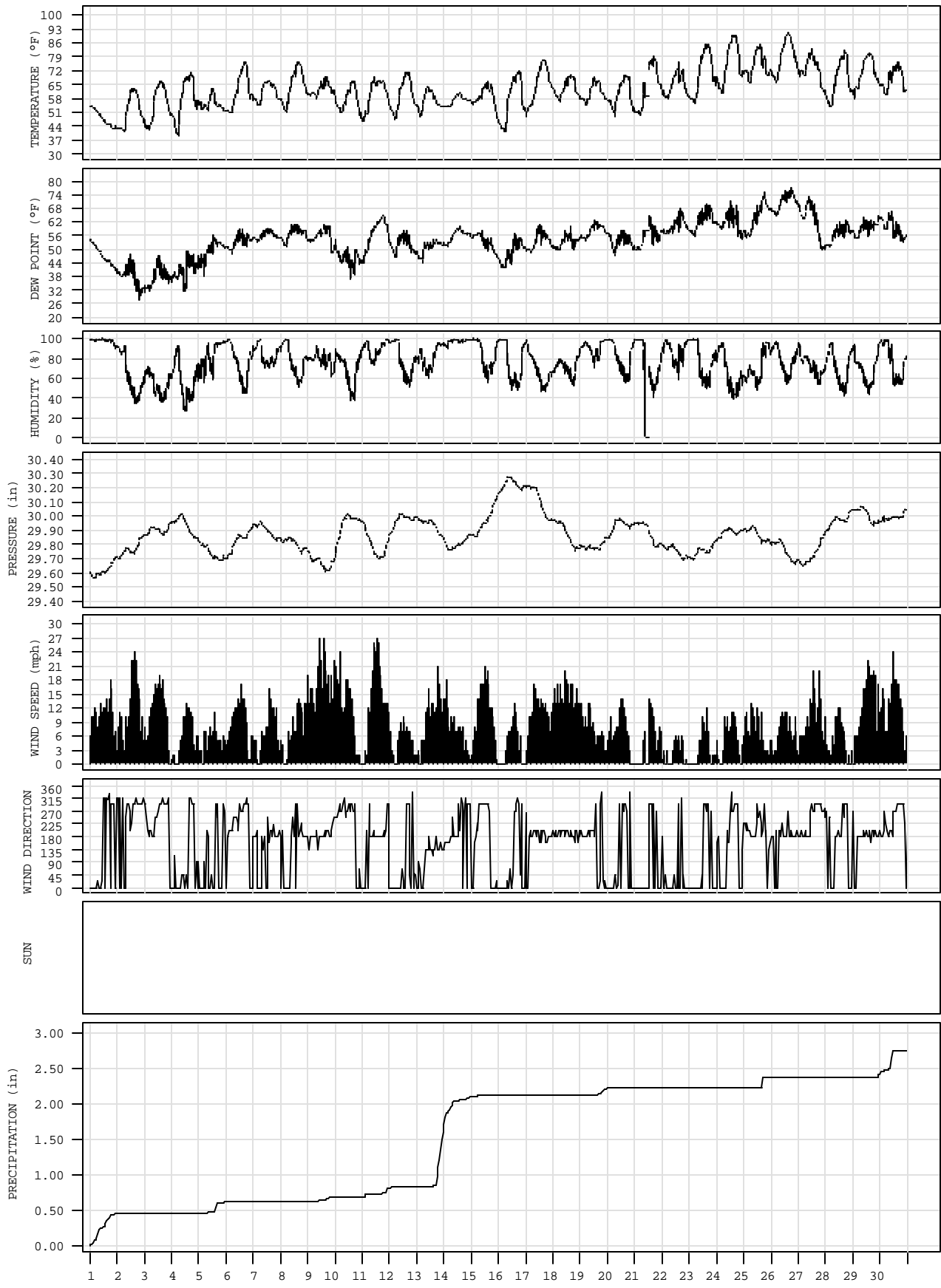
Hour	Averages						Resultant wind	
	Sunshine	Pressure	Temperature	Dew Point	Humidity	Wind Speed	Direction	Speed
01	29.867	57	53	87	1.1	19	0.8	
04	29.864	55	51	88	1.6	20	1.1	
07	29.889	57	53	87	1.7	20	1.2	
10	29.892	65	56	69	3.3	20	2.3	
13	29.874	70	56	64	3.5	24	1.8	
16	29.853	71	56	63	3.4	25	1.9	
19	29.849	68	56	67	1.7	22	0.8	
22	29.877	60	53	81	1.1	21	0.7	

**HOURLY PRECIPITATION (Water Equivalent)
June 2003: Westford**

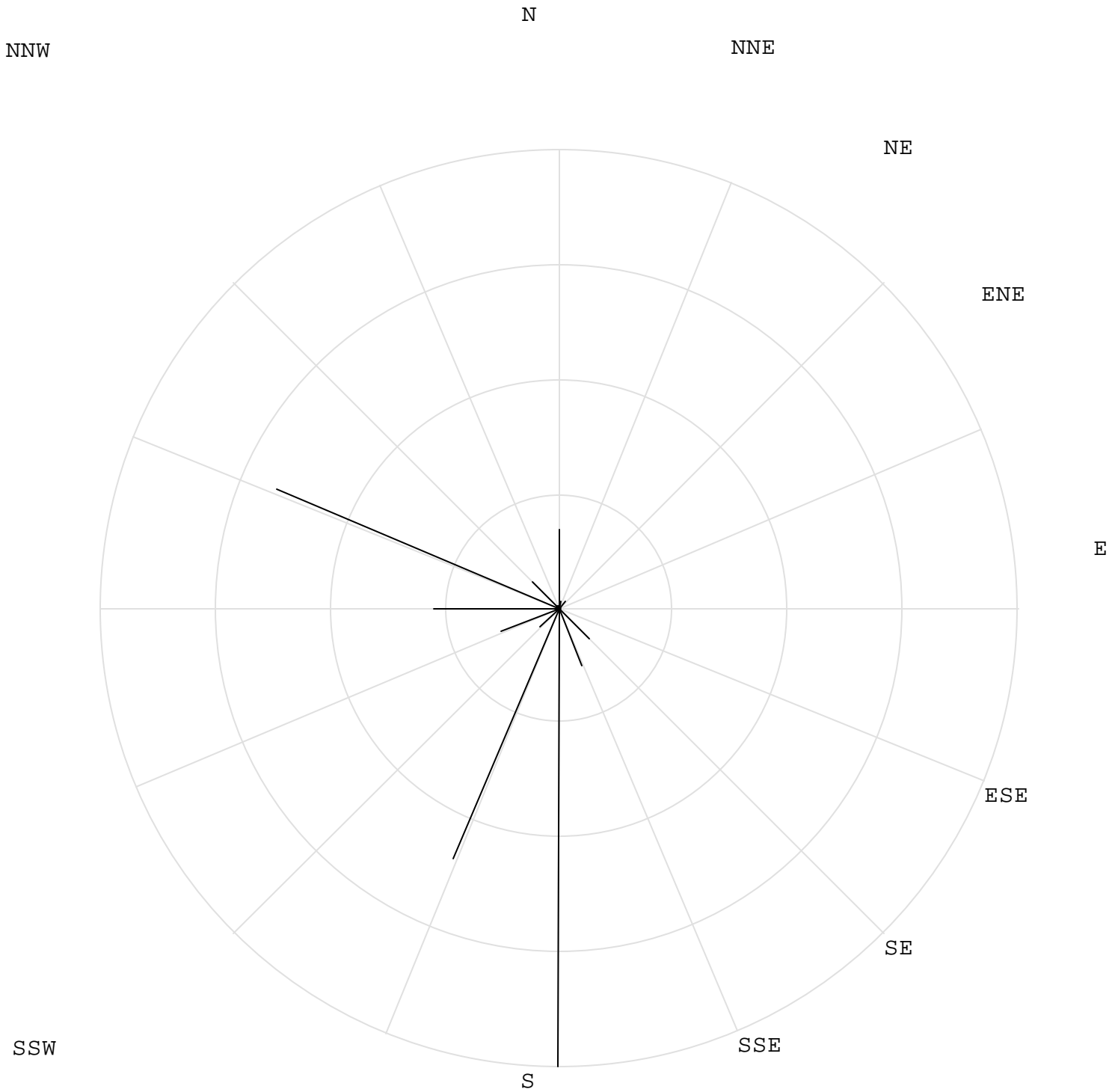
Date	A.M. Hour Ending at												P.M. Hour Ending at												Date
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	
01	0.02	0.01	0.02	0.03	0.01	0.02	0.05	0.07	0.02			0.02	0.01	0.03	0.05	0.02	0.02	0.03	0.01			0.01			01
02																									02
03																									03
04																									04
05								0.03							0.07	0.05		0.01				0.01			05
06		0.01																							06
07																									07
08																									08
09										0.01					0.01		0.01		0.02						09
10																									10
11			0.04						0.01					0.01			0.01			0.01	0.05				11
12		0.02																							12
13		0.06													0.02		0.01	0.11	0.13	0.10	0.15	0.15	0.10	0.11	13
14	0.10	0.01		0.02	0.02	0.04	0.04	0.03	0.02		0.01			0.01			0.01	0.01	0.01			0.01	0.01		14
15		0.01			0.01				0.01																15
16																									16
17																									17
18																									18
19															0.01	0.01		0.02	0.02	0.01	0.01			0.01	19
20																									20
21																									21
22																									22
23																									23
24																									24
25																0.16									25
26																									26
27																									27
28																									28
29			0.01	0.03				0.01															0.03	0.01	29
30	0.03									0.14	0.12														30
Sum	0.15	0.11	0.07	0.08	0.03	0.07	0.09	0.14	0.06	0.15	0.13	0.02	0.01	0.05	0.15	0.08	0.21	0.17	0.18	0.13	0.17	0.23	0.15	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
June 2003: Westford



Wind Rose: June 2003
Westford



Maximum direction of wind: 468.8 miles from 180°.
1537.1 total miles of wind.