

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### June 2010

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	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	70.9	53.9	62.4	63.8	60	88	2	0	..3.....	0	1.18	0.0	29.78	29.64	29.695	2.5	2.2	221	19	SSW	9	219	
2	80.6	54.1	67.3	67.4	59	77	0	3	.....	0	0.00	0.0	29.80	29.63	29.722	2.0	2.0	215	14	S	8	235	
3	66.7	58.0	62.3	62.2	59	91	2	0	.....	0	0.31	0.0	29.71	29.52	29.628	1.5	1.1	290	15	SSW	8	301	
4	77.5	56.6	67.0	65.5	57	76	0	3	.....	0	0.10	0.0	29.82	29.70	29.762	0.5	0.5	301	10	W	7	286	
5	76.3	58.2	67.3	65.4	60	85	0	2	..3.....	0	0.33	0.0	29.71	29.49	29.571	2.2	1.7	264	20	W	10	295	
6	58.3	50.0	54.1	53.2	51	94	11	0	.....	0	1.08	0.0	29.62	29.29	29.493	1.5	1.3	345	19	WNW	6	313	
7	65.1	46.3	55.7	55.9	46	72	9	0	.....	0	0.01	0.0	29.86	29.61	29.733	3.0	3.0	306	24	NW	12	291	
8	66.1	44.3	55.2	53.5	46	76	10	0	.....	0	0.01	0.0	30.08	29.86	29.972	2.1	2.0	308	22	NNE	12	309	
9	68.8	43.5	56.2	55.7	46	72	8	0	.....	0	0.05	0.0	30.11	29.84	29.998	2.5	2.4	219	21	SSW	11	206	
10	57.8	50.4	54.1	54.0	52	93	11	0	.....	0	0.87	0.0	29.96	29.75	29.809	0.5	0.3	152	9	SSE	4	138	
11	70.3	51.3	60.8	59.2	54	85	4	0	.....	0	0.01	0.0	30.12	29.96	30.061	0.6	0.5	281	12	W	6	295	
12	65.4	51.9	58.7	57.6	55	91	6	0	.....	0	0.09	0.0	30.09	29.94	30.027	0.3	0.3	210	9	SW	5	221	
13	77.2	49.8	63.5	63.6	56	78	1	0	.....	0	0.00	0.0	29.95	29.82	29.878	1.1	0.7	289	12	NW	6	303	
14	68.6	46.6	57.6	57.9	55	90	7	0	.....	0	T	0.0	29.92	29.77	29.832	1.0	0.3	293	15	NE	7	19	
15	68.9	43.5	56.2	56.6	46	71	8	0	.....	0	0.01	0.0	30.13	29.92	30.069	1.0	0.8	319	15	NW	8	301	
16	64.9	41.7*	53.3*	55.4	49	80	11	0	.....	0	0.05	0.0	30.15	29.69	29.967	2.5	2.5	204	21	SSW	11	217	
17	73.7	56.4	65.0	62.0	58	88	0	0	.....	0	0.36	0.0	29.95	29.64	29.791	2.1	1.1	267	19	SSW	9	273	
18	84.0*	57.2	70.6	69.0	59	72	0	6	.....	0	0.00	0.0	30.05	29.94	29.980	1.5	1.3	229	12	S	7	210	
19	81.6	59.5	70.5	71.6	61	70	0	6	.....	0	T	0.0	29.96	29.77	29.876	3.2	3.2	213	24	S	12	221	
20	79.7	65.0	72.3*	71.3	65	81	0	8	.....	0	0.67	0.0	29.86	29.75	29.783	2.6	1.9	262	18	S	11	314	
21	76.7	55.4	66.0	66.7	56	71	0	1	.....	0	0.00	0.0	30.07	29.85	29.963	1.3	1.2	313	15	WNW	9	315	
22	78.8	49.6	64.2	65.3	55	72	0	0	.....	0	0.25	0.0	30.11	29.88	30.026	0.7	0.6	209	11	SSW	6	218	
23	78.0	63.2	70.6	68.5	65	89	0	6	.....	0	0.06	0.0	29.88	29.73	29.815	0.9	0.6	276	10	SSE	6	298	
24	77.0	60.4	68.7	68.0	65	89	0	4	.....	0	0.67	0.0	29.83	29.56	29.640	2.7	2.0	270	19	NW	10	296	
25	77.0	52.0	64.5	63.8	56	78	0	0	.....	0	0.01	0.0	29.97	29.83	29.909	0.7	0.6	265	11	W	8	303	
26	64.5	56.4	60.5	59.9	58	92	4	0	.....	0	0.16	0.0	29.90	29.77	29.836	0.8	0.6	229	11	S	6	224	
27	73.7	53.1	63.4	64.4	61	88	1	0	.....	0	T	0.0	29.78	29.57	29.698	0.2	0.2	219	9	SW	6	215	
28	79.8	64.4	72.1	72.1	68	88	0	7	.....	0	0.71	0.0	29.57	29.35	29.452	3.0	2.4	243	20	S	10	220	
29	75.6	53.5	64.5	63.6	59	84	0	0	.....	0	0.10	0.0	29.89	29.54	29.710	1.6	1.3	304	25	WNW	14	316	
30	67.3	50.0	58.7	58.2	49	73	6	0	.....	0	0.01	0.0	30.00	29.88	29.942	3.9	3.8	265	22	SW	11	300	
Sum	Sum	-----	-----	---	----	Ttl	Ttl	Number of Days		For the month:													---
2171	1596					101	46			7.10	0.0	30.15	29.29	29.821	1.7	1.1	259	25	WNW	14	316		
Avg	Avg	Avg	Mean	Avg	Avg	----	----	Precip		Season Ttl		Date	Date	-----	----	----	---	Date	Date	Avg			
72.4	53.2	62.8	62.4	56	81.9	----	----	≥.01 inch	23	21.40	119.5	16	6	-----	----	----	---	29	29				
Number of Days						Season to Date		Snow, Ice ≥1.0 inch		Greatest in 24 Hours and Dates						Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date							
Max Temperature			Min Temperature			7101	91	Thunder	2	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	1.18	1	0.0		-		0			-						
0	0	0	0	----	----	Clear	3	Partly Cloudy			13	Cloudy		14									

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 2010: 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	Humidity	Direction
JUN 01									JUN 02									JUN 03								
01		29.76	0.00	71	60	69	22	7	15	29.74	0.00	57	56	96	21	1	6	29.63	0.00	65	58	80	09	0	4	
04		29.71	0.00	67	59	77	20	5	17	29.75	0.00	57	55	96	19	1	6	29.57	0.05	62	59	90	18	0	3	
07		29.70	0.16	64	61	90	20	5	11	29.79	0.00	58	57	96	22	1	8	29.53	0.00	64	62	94	21	5	12	
10		29.64	0.12	64	63	94	22	5	14	29.77	0.00	70	64	82	19	3	12	29.58	0.00	62	60	95	28	2	6	
13		29.65	0.00	65	63	94	32	0	6	29.73	0.00	77	66	67	20	1	10	29.64	0.00	63	62	94	30	3	7	
16		29.66	0.00	63	61	94	26	0	3	29.69	0.00	79	61	53	19	7	12	29.68	0.00	62	59	92	31	3	8	
19		29.71	0.00	63	60	90	36	0	1	29.66	0.00	75	58	55	21	0	6	29.69	0.00	63	60	89	07	0	2	
22		29.75	0.00	55	53	94	15	0	0	29.67	0.00	66	59	80	19	0	1	29.69	0.00	58	56	94	03	0	0	
JUN 04									JUN 05									JUN 06								
01		29.72	0.00	59	58	96	03	0	0	29.68	0.00	60	55	84	08	0	0	29.59	0.00	57	54	88	29	1	9	
04		29.73	0.00	59	58	96	03	0	0	29.63	0.12	60	57	92	20	1	2	29.58	0.00	54	51	91	31	3	8	
07		29.78	0.00	58	56	96	32	0	3	29.59	0.00	59	58	95	14	0	0	29.57	0.07	52	50	93	01	0	0	
10		29.80	0.00	68	60	75	34	1	5	29.57	0.00	64	62	95	21	4	10	29.42	0.16	53	52	95	06	0	3	
13		29.81	0.00	72	56	56	30	3	7	29.52	0.00	71	66	83	21	4	9	29.33	0.05	56	55	95	01	3	8	
16		29.77	0.00	76	54	46	32	3	7	29.51	0.00	75	68	78	28	3	12	29.36	0.00	54	52	95	35	2	7	
19		29.75	0.00	72	58	61	32	0	1	29.50	0.00	73	60	63	25	4	11	29.50	0.00	51	50	95	32	1	19	
22		29.75	0.00	62	56	81	03	0	1	29.58	0.00	64	57	80	30	7	20	29.59	0.00	51	50	95	02	0	8	
JUN 07									JUN 08									JUN 09								
01		29.62	0.00	50	48	95	30	2	7	29.86	0.00	48	42	82	30	0	2	30.07	0.00	44	41	90	26	0	0	
04		29.63	0.00	48	46	95	23	3	5	29.89	0.00	46	43	88	31	0	0	30.09	0.00	46	43	89	20	1	4	
07		29.68	0.00	50	48	91	33	0	9	29.94	0.00	50	45	83	31	2	6	30.10	0.00	51	46	82	22	1	5	
10		29.73	0.00	57	49	75	29	5	8	29.98	0.00	60	48	66	31	5	8	30.07	0.00	62	51	67	21	1	6	
13		29.75	0.00	64	46	52	32	7	16	29.99	0.00	62	46	55	33	2	12	29.99	0.00	67	45	46	25	2	10	
16		29.76	0.00	63	44	49	32	7	17	30.00	0.00	55	47	75	30	4	8	29.92	0.00	67	44	43	23	6	16	
19		29.80	0.00	61	44	54	30	5	14	30.02	0.00	59	51	77	31	0	0	29.91	0.00	57	46	67	20	6	13	
22		29.86	0.00	55	44	67	29	3	8	30.07	0.00	49	45	88	26	0	1	29.88	0.00	52	47	85	21	2	8	
JUN 10									JUN 11									JUN 12								
01		29.81	0.04	51	48	89	15	4	8	29.98	0.00	55	54	96	12	0	0	30.09	0.00	53	52	95	31	0	0	
04		29.76	0.00	51	48	92	16	1	5	29.99	0.00	55	54	96	03	0	0	30.06	0.00	54	52	95	31	0	0	
07		29.76	0.04	51	50	94	17	0	4	30.05	0.00	56	54	96	03	0	1	30.08	0.04	56	55	96	31	0	2	
10		29.76	0.00	54	52	93	26	2	7	30.10	0.00	60	56	86	28	1	4	30.06	0.00	60	58	94	21	2	5	
13		29.76	0.24	56	54	93	22	0	0	30.10	0.00	63	55	74	26	1	9	30.03	0.00	63	57	83	17	3	7	
16		29.80	0.00	56	55	94	10	0	4	30.08	0.00	68	57	68	03	0	2	29.95	0.00	62	56	82	20	0	1	
19		29.87	0.00	56	54	94	18	0	0	30.08	0.00	67	55	65	33	1	3	29.97	0.00	57	54	91	20	0	0	
22		29.94	0.08	56	54	95	12	0	0	30.08	0.00	54	52	92	31	0	0	29.97	0.00	57	54	91	20	0	0	
JUN 13									JUN 14									JUN 15								
01		29.93	0.00	52	51	95	16	0	4	29.83	0.00	58	58	93	21	0	2	29.92	0.00	47	46	95	21	0	2	
04		29.91	0.00	52	51	96	07	0	3	29.79	0.00	59	58	95	21	1	3	29.97	0.00	45	43	95	21	0	3	
07		29.90	0.00	54	53	96	07	0	0	29.80	0.00	60	58	92	20	1	8	30.04	0.00	52	51	96	30	3	6	
10		29.90	0.00	67	59	75	12	2	6	29.79	0.00	64	61	89	22	0	5	30.10	0.00	63	53	71	31	4	9	
13		29.87	0.00	73	60	64	27	2	6	29.80	0.00	63	59	88	01	4	10	30.13	0.00	66	40	39	01	3	9	
16		29.84	0.00	77	61	59	28	5	9	29.85	0.00	54	52	91	04	0	8	30.12	0.00	68	42	39	29	4	13	
19		29.83	0.00	73	58	59	28	0	4	29.87	0.00	55	52	92	02	0	4	30.12	0.00	64	46	51	02	0	5	
22		29.84	0.00	63	58	83	20	4	7	29.90	0.00	50	48	92	09	0	4	30.12	0.00	50	42	74	02	0	2	
JUN 16									JUN 17									JUN 18								
01		30.13	0.00	44	39	82	11	0	0	29.68	0.00	62	58	87	22	6	14	29.95	0.00	59	55	89	20	2	6	
04		30.12	0.00	42	39	88	11	0	0	29.65	0.00	61	60	96	23	4	9	29.96	0.00	58	54	88	20	4	8	
07		30.11	0.00	48	45	91	11	0	0	29.70	0.00	57	56	94	28	1	6	30.01	0.00	59	55	87	21	3	9	
10		30.05	0.00	60	54	79	08	0	1	29.75	0.00	57	55	95	04	1	8	30.03	0.00	72	62	70	20	1	6	
13		29.98	0.00	64	52	66	20	2	6	29.82	0.00	59	57	93	35	1	5	30.00	0.00	79	61	55	29	2	10	
16		29.89	0.00	61	56	82	20	3	10	29.86	0.00	71	62	72	33	2	8	29.97	0.00	83	59	44	23	1	5	
19		29.80	0.00	59	55	87	20	6	11	29.89	0.00	71	63	76	01	0	0	29.95	0.00	79	66	64	20	0	1	
22		29.74	0.00	61	56	84	20	8	17	29.94	0.00	58	55	91	01	0	2	29.95	0.00	62	59	90	20	0	0	

### MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.23	0.32	0.33	0.33	0.33	0.35	0.38	0.53	0.58	0.66	0.85	0.87
Ended: Date	20	20	20	20	20	24	24	01	01	01	01	01
Ended: Time	1222	1224	1228	1228	1228	1709	1717	1036	1057	1115	1137	1144

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 2010: 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		29.95	0.00	63	57	79	20	1	5	29.77	0.00	71	65	80	20	4	9	29.86	0.00	63	59	88	28	0	0		
04		29.95	0.00	62	57	82	21	0	5	29.76	0.00	69	64	85	20	2	8	29.88	0.00	62	59	91	31	1	3		
07		29.95	0.00	66	59	77	20	4	9	29.77	0.00	70	65	85	19	4	8	29.94	0.00	62	58	88	31	1	6		
10		29.91	0.00	76	62	63	21	3	12	29.76	0.06	68	66	93	25	1	10	29.95	0.00	70	61	71	28	4	10		
13		29.88	0.00	79	61	53	22	11	19	29.77	0.00	72	69	91	28	2	7	29.97	0.00	74	54	49	31	2	10		
16		29.81	0.00	77	60	57	21	5	11	29.78	0.00	76	67	73	30	6	13	29.99	0.00	76	56	50	31	4	12		
19		29.79	0.00	76	62	63	22	6	11	29.80	0.00	75	65	72	31	2	9	30.02	0.00	71	54	56	35	0	3		
22		29.79	0.00	70	64	80	20	1	7	29.85	0.00	66	61	85	30	0	3	30.05	0.00	58	50	76	00	0	2		
JUN 22									JUN 23									JUN 24									
01		30.07	0.00	52	48	86	00	0	0	29.86	0.00	63	61	93	13	2	5	29.70	0.00	69	64	86	22	0	5		
04		30.08	0.00	50	48	93	00	0	0	29.79	0.00	63	62	95	19	0	4	29.60	0.00	67	65	94	20	4	12		
07		30.10	0.00	55	53	94	22	0	0	29.81	0.00	66	64	96	25	2	5	29.58	0.00	70	66	88	24	4	12		
10		30.10	0.00	74	52	47	25	0	1	29.83	0.00	69	67	92	32	0	6	29.58	0.10	68	66	93	32	3	6		
13		30.04	0.00	77	59	53	25	0	7	29.84	0.00	70	67	90	30	2	5	29.58	0.00	73	68	82	29	5	12		
16		29.98	0.00	75	59	57	15	3	10	29.84	0.00	76	68	78	31	0	5	29.58	0.00	72	66	81	03	1	9		
19		29.95	0.00	72	59	65	19	2	8	29.79	0.00	76	67	74	18	0	1	29.68	0.00	66	64	94	32	0	5		
22		29.92	0.00	66	61	82	16	1	6	29.76	0.00	68	64	89	21	0	2	29.78	0.00	63	61	93	31	1	8		
JUN 25									JUN 26									JUN 27									
01		29.85	0.00	59	56	91	28	0	2	29.88	0.00	57	55	94	12	0	0	29.77	0.00	59	58	94	26	0	0		
04		29.87	0.00	55	54	95	28	0	1	29.87	0.00	59	57	93	19	2	4	29.76	0.00	55	54	95	26	0	0		
07		29.92	0.00	57	56	95	20	1	5	29.86	0.00	60	56	87	22	5	10	29.75	0.00	57	56	97	12	0	0		
10		29.95	0.00	67	56	68	25	0	1	29.85	0.00	64	58	81	27	1	7	29.74	0.00	66	62	87	20	0	4		
13		29.95	0.00	72	56	56	24	4	7	29.85	0.05	60	58	91	19	0	3	29.71	0.00	73	64	74	14	0	5		
16		29.91	0.00	77	58	53	30	1	6	29.80	0.00	60	58	93	13	1	5	29.66	0.00	74	65	74	20	0	4		
19		29.90	0.00	66	58	75	03	1	4	29.79	0.00	61	60	95	21	0	0	29.62	0.00	67	64	90	20	0	0		
22		29.91	0.00	57	55	92	12	0	2	29.77	0.00	60	59	95	22	0	1	29.59	0.00	65	63	95	20	0	1		
JUN 28									JUN 29									JUN 30									
01		29.54	0.04	65	63	96	20	0	0	29.55	0.00	67	63	88	23	0	1	29.88	0.00	55	52	90	21	1	5		
04		29.41	0.05	67	66	96	17	0	5	29.59	0.00	64	58	82	31	3	8	29.91	0.00	53	49	87	23	2	10		
07		29.36	0.00	70	69	97	20	6	14	29.65	0.00	63	59	88	05	0	5	29.94	0.00	53	48	84	28	2	10		
10		29.41	0.00	73	70	92	24	4	15	29.67	0.00	70	63	79	12	0	1	29.95	0.00	61	49	66	28	6	16		
13		29.45	0.00	76	71	82	28	5	11	29.67	0.00	74	63	69	25	4	14	29.94	0.00	65	49	57	27	6	16		
16		29.46	0.00	77	69	76	21	1	7	29.79	0.00	61	57	84	06	0	6	29.94	0.00	64	49	59	24	5	9		
19		29.46	0.00	78	69	75	21	3	10	29.82	0.00	62	58	85	07	0	0	29.97	0.00	60	49	66	27	7	15		
22		29.51	0.00	70	67	90	21	0	6	29.87	0.00	54	52	93	23	1	3	30.00	0.00	56	51	83	24	1	5		

### 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		29.822	58	54	89	1.1	21	0.8
04		29.809	57	54	91	1.2	22	0.9
07		29.825	58	56	91	1.7	22	1.4
10		29.827	65	58	81	2.1	26	1.3
13		29.818	68	58	71	2.8	28	1.8
16		29.804	69	57	69	2.7	28	1.6
19		29.817	66	57	74	1.5	24	1.1
22		29.838	59	55	87	1.0	25	0.6

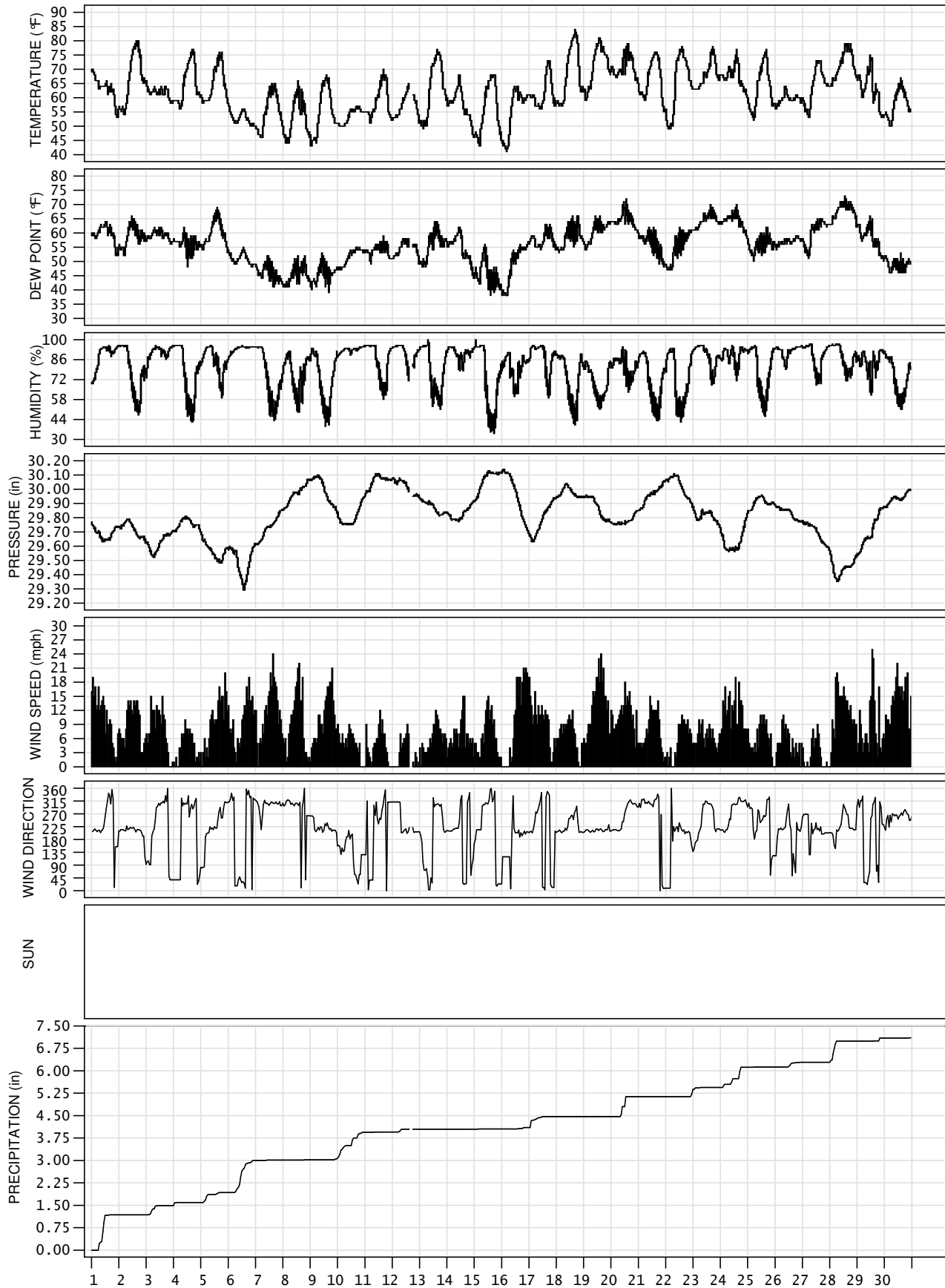
## HOURLY PRECIPITATION (Water Equivalent) June 2010: Westford

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							0.22	0.04	0.03	0.32	0.30	0.25			0.01	0.01								01	
02																								02	
03																								03	
04	0.09	0.01	0.01	0.03	0.11	0.05		0.08	0.02	0.01														04	
05			0.04	0.05	0.09	0.07	0.02								0.03	0.03								05	
06						0.01	0.05	0.08	0.04	0.10	0.23	0.20	0.07	0.03	0.11	0.05	0.01	0.01	0.01	0.01	0.05	0.02		06	
07										0.01									0.01					07	
08																						0.02	0.01	0.02	08
09																						0.01	0.02	0.01	09
10	0.05	0.08	0.14	0.03	0.05	0.04	0.03	0.01					0.18	0.07			0.11	0.04		0.01	0.03			10	
11										0.01														11	
12						0.01	0.03	0.04	0.01															12	
13																								13	
14																								14	
15				0.01																				15	
16																0.02				0.02	0.01			16	
17		0.22	0.02		0.02	0.02	0.01	0.03		0.01	0.02	0.01												17	
18																								18	
19																								19	
20									0.07	0.27			0.33											20	
21																								21	
22																						0.01	0.08	0.16	22
23		0.04				0.01	0.01																	23	
24			0.08	0.02					0.01	0.07	0.11					0.24	0.14							24	
25					0.01																			25	
26											0.02	0.04	0.05	0.03			0.01					0.01		26	
27																								27	
28	0.06	0.02	0.20	0.18	0.16	0.09																		28	
29															0.01					0.09				29	
30																					0.01			30	
Sum	0.20	0.37	0.49	0.32	0.43	0.31	0.37	0.28	0.19	0.79	0.66	0.48	0.62	0.18	0.18	0.09	0.25	0.27	0.08	0.11	0.06	0.10	0.09	0.18	Sum

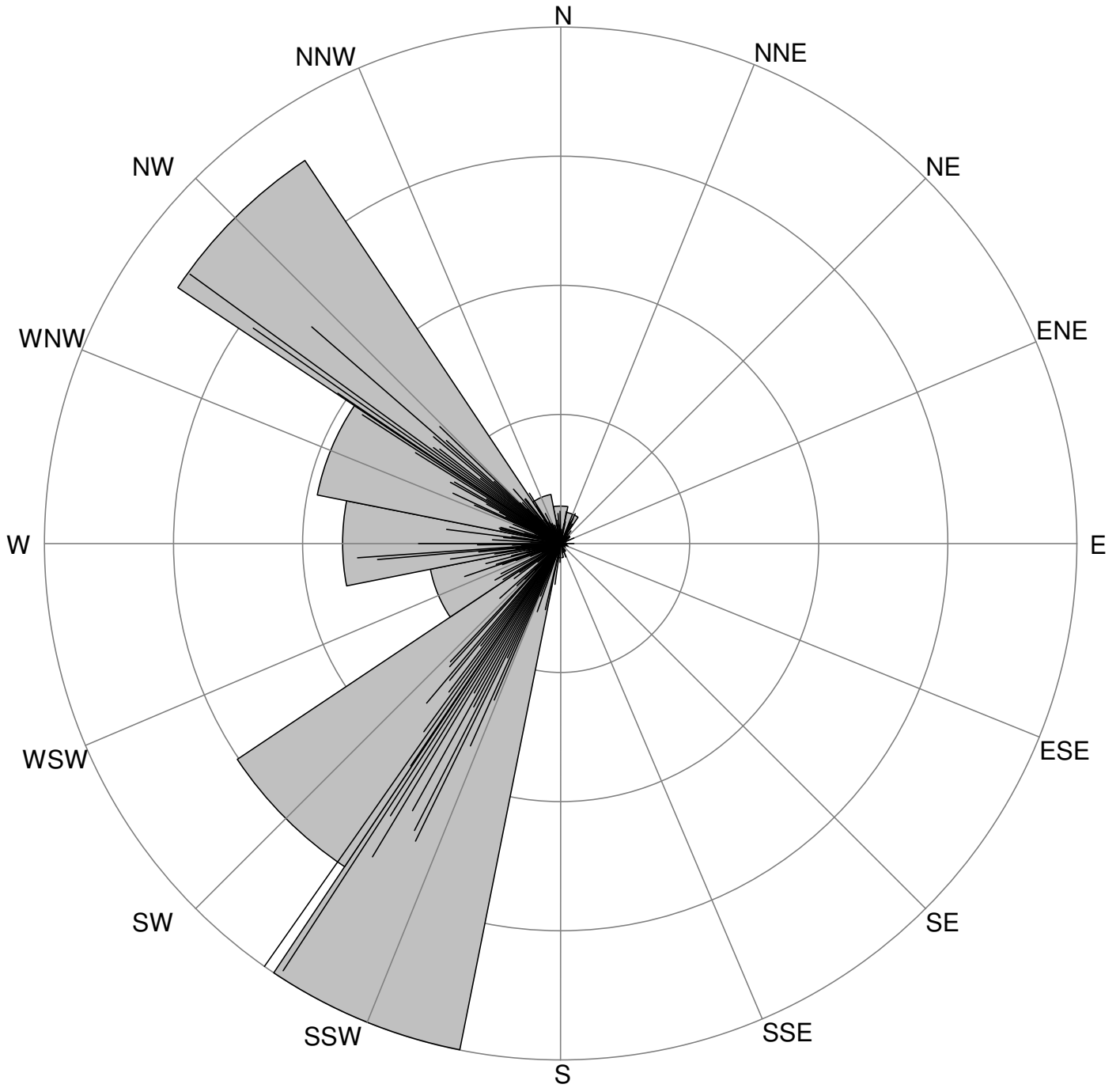
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

# HOUR-BY-HOUR DATA

## June 2010: Westford



Wind Rose: June 2010  
**Westford**



Maximum direction of wind: 45.6 miles from 215°  
Maximum sector of wind: 289.4 miles from SSW  
1196.7 total miles of wind