

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### April 2009

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	46.7	28.9	37.8	39.3	33	79	27	0	.....	0	0.04	0.0	30.17	29.93	30.047	5.4	5.4	198	30	S	18	200	
2	62.2	39.3	50.8	49.6	36	64	14	0	.....	0	0.00	0.0	30.03	29.85	29.948	4.9	4.7	213	23	S	14	194	
3	61.4	42.1	51.8	52.6	45	75	13	0	.....	0	0.21	0.0	29.85	29.00	29.450	2.5	2.1	170	27	S	16	184	
4	50.4	32.7	41.6	39.4	37	90	23	0	.....	T	0.63	0.2	29.46	28.98	29.209	5.6	5.2	227	24	WNW	15	293	
5	37.9	31.7	34.8	34.7	32	89	30	0	.....	1	0.37	1.5	29.78	29.46	29.664	2.5	2.3	273	18	SW	10	254	
6	42.4	34.6	38.5	38.2	35	88	26	0	.....	0	0.40	0.0	29.76	29.14	29.492	1.2	0.9	165	18	S	9	169	
7	38.8	28.9	33.8	34.9	32	90	31	0	.....	T	0.27	T	29.39	29.07	29.195	1.8	1.5	261	19	WNW	10	285	
8	38.1	27.1	32.6	32.0	26	80	32	0	.....	0	0.07	0.3	29.59	29.38	29.471	2.9	2.8	223	22	SSW	10	277	
9	49.3	31.8	40.5	39.8	25	57	24	0	.....	0	0.00	0.0	29.87	29.57	29.705	5.8	5.0	240	23	WNW	14	291	
10	50.1	29.3	39.7	39.0	28	65	25	0	.....	0	0.00	0.0	30.03	29.86	29.979	2.2	1.4	316	13	NW	8	300	
11	46.2	28.4	37.3	37.4	25	61	28	0	.....	0	T	T	30.05	29.97	30.000	3.0	3.0	359	20	NW	12	330	
12	32.8	25.2*	29.0*	29.2	16	57	36	0	.....	0	T	T	30.13	30.05	30.091	5.3	5.1	344	25	NNW	16	295	
13	47.1	26.1	36.6	35.7	18	50	28	0	.....	0	0.00	0.0	30.13	30.00	30.061	5.8	5.8	326	23	WNW	14	304	
14	52.7	28.5	40.6	40.3	20	46	24	0	.....	0	0.00	0.0	30.10	30.02	30.062	1.7	1.6	342	16	WNW	10	320	
15	59.5	31.6	45.6	44.3	21	42	19	0	.....	0	0.00	0.0	30.21	30.05	30.122	2.6	2.3	349	22	NNW	14	320	
16	56.7	31.7	44.2	44.2	21	41	20	0	.....	0	0.00	0.0	30.34	30.21	30.280	2.0	1.9	342	18	NW	12	312	
17	62.0	33.1	47.5	50.7	25	37	17	0	.....	0	0.00	0.0	30.26	29.93	30.092	4.8	3.9	272	31	NW	16	293	
18	54.1	40.4	47.3	45.6	36	70	18	0	.....	0	T	0.0	29.97	29.88	29.930	1.7	1.2	340	15	NW	10	333	
19	53.6	29.8	41.7	42.0	25	54	23	0	.....	0	0.00	0.0	30.18	29.97	30.113	2.2	2.0	346	17	NNW	11	299	
20	56.6	33.9	45.3	44.9	24	46	19	0	.....	0	0.04	0.0	30.19	29.99	30.114	4.2	4.2	173	26	SE	16	174	
21	53.9	39.4	46.7	46.5	40	78	18	0	.....	0	0.09	0.0	30.00	29.60	29.760	3.4	3.3	184	26	SSE	15	175	
22	58.1	41.3	49.7	49.6	42	76	15	0	.....	0	0.07	0.0	29.64	29.53	29.581	3.7	2.2	253	20	S	13	196	
23	49.6	39.0	44.3	43.1	35	74	20	0	.....	0	0.04	0.0	30.00	29.52	29.695	6.6	6.3	288	30	WNW	20	286	
24	68.6	35.6	52.1	52.7	33	51	12	0	.....	0	0.00	0.0	30.20	30.00	30.101	4.1	3.5	225	19	SSE	10	198	
25	84.2	51.3	67.7*	70.1	48	48	0	3	.....	0	0.19	0.0	30.06	29.89	29.980	8.1	7.8	211	31	S	18	197	
26	72.2	42.6	57.4	53.2	44	72	7	0	.....	0	0.17	0.0	30.33	29.98	30.208	2.6	1.7	318	23	SW	14	318	
27	87.1*	42.7	64.9	67.5	51	58	0	0	.....	0	T	0.0	30.30	30.02	30.160	5.8	5.5	209	24	SSW	16	207	
28	81.2	41.6	61.4	61.6	50	68	3	0	.....	0	0.17	0.0	30.38	29.91	30.089	4.9	3.2	288	29	NW	15	336	
29	57.5	33.0	45.3	44.6	27	54	19	0	.....	0	0.00	0.0	30.56	30.37	30.459	1.7	1.5	353	15	W	10	294	
30	69.2	33.4	51.3	52.5	30	45	14	0	.....	0	0.03	0.0	30.41	29.92	30.229	5.7	5.6	209	35	S	20	198	
Sum	Sum	-----	-----	---	----	Ttl	Ttl						For the month:										---
1680	1035					585	3	Number of Days			2.79	2.0	30.56	28.98	29.910	3.8	1.9	253	35	S	20	286	
Avg	Avg	Avg	Mean	Avg	Avg	----	----	Precip			Season Ttl	Date	Date	-----	----	----	---	Date	Date	Avg			
56.0	34.5	45.3	45.2	32	63.5	----	----	≥.01 inch	15		9.43	98.2	29	4	-----	----	----	---	30	23			
Number of Days						Season to Date	Snow, Ice ≥1.0 inch	1	Greatest in 24 Hours and Dates						Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date								
Max Temperature			Min Temperature			7413	3	Thunder	0	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	0.70	3- 4	1.5	5	1	5										
0	0	13	0	----	----	Clear	9	Partly Cloudy	8	Cloudy	13												

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 2009: Westford

Hour	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																																												
APR 01																						APR 02																						APR 03																					
01	30.16	0.00	30	28	92	08	0	1		29.98	0.00	42	38	86	20	10	23		29.83	0.00	43	30	60	16	0	0																																							
04	30.11	0.00	32	29	87	19	5	7		29.96	0.00	40	37	90	19	7	11		29.76	0.00	42	36	77	17	0	1																																							
07	30.12	0.00	34	30	85	19	2	5		29.99	0.00	40	37	90	20	6	10		29.68	0.00	52	46	82	17	7	12																																							
10	30.09	0.00	43	34	73	20	4	12		30.02	0.00	48	41	77	19	4	8		29.61	0.00	56	47	73	18	0	14																																							
13	30.05	0.00	45	33	63	18	5	15		29.97	0.00	56	35	45	24	4	9		29.45	0.00	55	47	74	19	6	11																																							
16	29.97	0.00	46	33	60	17	6	13		29.90	0.00	61	37	40	23	3	10		29.25	0.00	61	49	65	18	4	10																																							
19	29.95	0.00	42	37	82	19	5	14		29.90	0.00	57	35	44	21	3	8		29.13	0.19	55	50	84	21	6	10																																							
22	29.97	0.00	42	37	82	20	12	24		29.89	0.00	51	32	48	19	2	5		29.06	0.00	51	49	92	14	0	2																																							
APR 04																						APR 05																						APR 06																					
01	29.00	0.00	50	48	92	19	1	4		29.48	0.00	33	31	93	25	7	11		29.76	0.00	36	33	87	31	0	2																																							
04	29.06	0.00	42	40	91	21	2	4		29.56	0.00	32	31	94	24	4	8		29.70	0.00	35	32	89	01	0	2																																							
07	29.12	0.00	40	37	87	21	5	15		29.65	0.00	32	30	94	26	5	9		29.63	0.00	35	33	91	04	0	4																																							
10	29.17	0.00	41	36	83	22	6	13		29.68	0.00	35	32	90	28	0	4		29.58	0.00	37	35	90	05	1	4																																							
13	29.20	0.00	39	36	90	21	6	16		29.69	0.06	36	31	82	29	4	6		29.48	0.04	42	37	83	15	1	8																																							
16	29.27	0.00	38	35	90	23	6	14		29.70	0.00	38	32	81	30	1	6		29.36	0.00	42	36	80	14	3	13																																							
19	29.35	0.00	33	31	93	22	4	10		29.74	0.00	36	33	88	29	0	1		29.27	0.06	40	37	88	33	1	11																																							
22	29.43	0.00	34	32	92	25	6	13		29.75	0.00	35	33	91	29	0	2		29.20	0.06	38	36	92	19	4	10																																							
APR 07																						APR 08																						APR 09																					
01	29.13	0.00	38	36	94	16	0	2		29.39	0.00	29	26	88	23	0	0		29.58	0.00	33	25	72	19	6	13																																							
04	29.08	0.00	38	36	94	22	4	7		29.40	0.00	28	25	89	22	0	0		29.58	0.00	33	25	72	21	9	15																																							
07	29.10	0.07	37	35	94	22	3	7		29.43	0.00	28	26	92	21	0	0		29.64	0.00	33	24	69	20	4	12																																							
10	29.12	0.00	39	37	94	29	2	4		29.46	0.00	32	28	85	20	0	0		29.69	0.00	41	25	53	26	8	16																																							
13	29.17	0.00	38	35	89	27	4	11		29.47	0.00	33	29	85	21	4	10		29.71	0.00	45	26	47	23	9	17																																							
16	29.22	0.00	33	31	92	31	4	9		29.47	0.00	37	26	62	21	6	14		29.73	0.00	48	26	43	25	8	15																																							
19	29.32	0.00	30	27	86	26	0	0		29.54	0.00	34	27	77	28	7	15		29.79	0.00	46	25	44	30	2	8																																							
22	29.37	0.00	29	27	90	26	0	0		29.58	0.00	34	25	69	20	5	9		29.86	0.00	41	23	49	23	4	10																																							
APR 10																						APR 11																						APR 12																					
01	29.88	0.00	37	23	56	22	4	9		29.99	0.00	32	27	81	01	0	2		30.05	0.00	30	18	60	02	6	15																																							
04	29.91	0.00	31	26	79	27	0	1		29.98	0.00	32	25	75	00	0	6		30.06	0.00	26	14	60	02	3	16																																							
07	29.98	0.00	30	26	88	29	0	2		30.00	0.00	29	23	79	03	1	3		30.07	0.00	25	13	58	34	3	12																																							
10	30.02	0.00	40	29	66	28	0	7		30.02	0.00	39	27	62	32	6	11		30.10	0.00	27	15	59	33	11	23																																							
13	30.01	0.00	46	30	54	02	2	12		29.99	0.00	44	27	51	34	5	20		30.10	0.00	28	16	60	34	7	17																																							
16	29.99	0.00	49	32	52	00	5	12		29.98	0.00	45	23	42	33	9	16		30.10	0.00	30	16	55	32	11	19																																							
19	30.00	0.00	43	29	58	02	2	9		29.99	0.00	40	22	48	03	0	12		30.11	0.00	33	18	54	00	4	12																																							
22	30.02	0.00	35	27	72	01	0	2		30.04	0.00	35	24	64	34	4	8		30.13	0.00	32	18	54	32	4	11																																							
APR 13																						APR 14																						APR 15																					
01	30.12	0.00	29	17	61	32	2	9		30.07	0.00	34	18	52	00	0	2		30.07	0.00	35	19	52	07	0	2																																							
04	30.10	0.00	27	16	63	31	4	11		30.06	0.00	29	17	62	36	0	0		30.07	0.00	33	19	56	07	1	3																																							
07	30.08	0.00	26	17	67	33	5	13		30.09	0.00	29	19	64	00	0	1		30.11	0.00	34	18	51	05	1	4																																							
10	30.08	0.00	35	18	50	31	10	18		30.10	0.00	42	20	42	01	1	4		30.15	0.00	49	21	33	05	2	6																																							
13	30.06	0.00	42	19	40	34	7	15		30.06	0.00	49	23	35	01	5	10		30.13	0.00	54	25	33	31	7	16																																							
16	30.01	0.00	46	20	35	32	8	17		30.02	0.00	52	23	32	31	6	11		30.10	0.00	59	23	24	02	3	16																																							
19	30.01	0.00	43	19	37	34	6	14		30.03	0.00	49	21	33	01	2	5		30.14	0.00	52	24	34	01	0	7																																							
22	30.03	0.00	37	18	46	30	3	8		30.07	0.00	38	20	47	02	1	5		30.20	0.00	39	21	47	03	1	6																																							
APR 16																						APR 17																						APR 18																					
01	30.23	0.00	36	20	52	06	0	1		30.25	0.00	39	18	42	18	2	6		29.93	0.00	52	36	54	00	2	6																																							
04	30.24	0.00	34	20	55	06	0	1		30.22	0.00	36	21	53	19	0	3		29.89	0.00	48	36	65	34	2	5																																							
07	30.29	0.00	32	19	59	08	0	1		30.21	0.00	38	21	51	19	1	5		29.91	0.00	45	38	77	02	1	5																																							
10	30.33	0.00	50	18	28	05	1	8		30.17	0.00	53	23	31	25	7	13		29.92	0.00	44	37	78	03	1	7																																							
13	30.31	0.00	53	21	28	29	9	16		30.06	0.00	61	26	27	30	8	16		29.94	0.00	45	36	72	01	1	5																																							
16	30.28	0.00	56	21	25	35	7	14		29.99	0.00	60	26	27	29	6	19		29.94	0.00	47	36	65	33	1	6																																							
19	30.28	0.00	51	21	30	01	1	5		29.96	0.00	59	29	32	28	11	18		29.93	0.00	45	35	67	27	2	4																																							
22	30.27	0.00	39	16	39	02	0	0		29.94	0.00	55	30	37	26	7	12		29.97	0.00	41	35	80	19	2	5																																							

### MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.04	0.05	0.06	0.08	0.10	0.12	0.16	0.18	0.19	0.19	0.19	0.22
Ended: Date	25	25	25	25	25	25	25	25	25	25	25	04
Ended: Time	0526	0525	0525	0526	0526	0526	0526	0526	0544	0544	0544	1646

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 2009: Westford

Hour	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					
APR 19									APR 20									APR 21								
01	30.01	0.00	40	34	81	03	4	15	30.17	0.00	35	23	62	06	0	0	29.97	0.00	40	31	69	19	6	11		
04	30.03	0.00	33	28	83	05	0	4	30.15	0.00	37	23	56	10	0	4	29.86	0.00	42	32	68	17	12	24		
07	30.11	0.00	31	20	63	11	0	1	30.17	0.00	39	23	54	12	0	5	29.83	0.00	42	38	85	20	4	8		
10	30.15	0.00	45	20	37	01	4	9	30.18	0.00	50	22	33	17	8	19	29.79	0.00	45	40	81	18	2	8		
13	30.15	0.00	49	21	33	34	7	13	30.11	0.00	55	23	29	16	6	16	29.73	0.00	49	43	80	17	3	7		
16	30.14	0.00	53	24	32	34	5	15	30.06	0.00	55	22	28	17	8	17	29.67	0.00	53	45	74	20	1	7		
19	30.13	0.00	50	24	35	05	2	7	30.04	0.00	49	22	35	16	5	20	29.65	0.00	52	45	78	19	1	8		
22	30.17	0.00	38	24	57	03	0	1	30.04	0.00	40	28	62	16	3	17	29.64	0.00	47	44	89	19	0	0		
APR 22									APR 23									APR 24								
01	29.58	0.00	46	43	89	19	1	5	29.55	0.00	41	35	78	27	3	8	30.03	0.00	41	30	64	30	2	8		
04	29.55	0.00	48	45	90	20	4	8	29.53	0.00	40	34	81	25	3	9	30.08	0.00	37	31	80	22	1	2		
07	29.59	0.00	48	45	89	20	7	14	29.55	0.00	39	36	86	25	5	10	30.16	0.00	40	33	77	26	6	12		
10	29.62	0.00	53	43	69	21	9	16	29.61	0.00	41	37	85	27	5	11	30.17	0.00	50	35	56	25	5	11		
13	29.61	0.00	56	42	61	33	3	10	29.68	0.00	43	38	82	30	7	18	30.15	0.00	60	32	35	25	4	13		
16	29.57	0.00	57	39	51	34	4	11	29.76	0.00	46	37	69	32	9	19	30.10	0.00	67	33	29	19	6	10		
19	29.56	0.00	49	40	73	01	2	6	29.84	0.00	50	34	54	29	11	22	30.04	0.00	66	36	32	21	3	8		
22	29.57	0.00	43	38	84	31	0	6	29.97	0.00	45	31	59	30	7	17	30.07	0.00	61	33	34	19	6	13		
APR 25									APR 26									APR 27								
01	30.04	0.00	62	32	32	19	8	20	30.00	0.00	69	54	58	26	6	13	30.28	0.00	43	39	87	20	0	0		
04	30.03	0.00	62	36	38	21	12	31	30.03	0.00	65	57	75	29	3	10	30.25	0.00	49	41	74	19	7	12		
07	30.02	0.00	55	52	89	20	12	21	30.14	0.00	51	48	90	01	7	17	30.25	0.00	54	48	80	19	5	10		
10	30.01	0.00	68	46	46	20	16	26	30.26	0.00	47	42	81	01	4	11	30.23	0.00	67	55	64	19	8	23		
13	29.97	0.00	77	50	39	21	12	21	30.27	0.00	50	39	65	03	2	6	30.16	0.00	79	56	46	21	10	19		
16	29.93	0.00	84	54	36	21	6	14	30.30	0.00	53	33	47	31	0	8	30.08	0.00	87	57	37	21	8	18		
19	29.91	0.00	80	52	38	22	0	5	30.30	0.00	51	36	56	32	0	2	30.03	0.00	84	56	38	20	3	13		
22	29.97	0.00	76	53	45	29	3	15	30.32	0.00	44	41	88	08	0	2	30.03	0.00	77	55	46	22	3	11		
APR 28									APR 29									APR 30								
01	30.05	0.00	68	51	55	24	3	6	30.40	0.00	40	34	79	02	2	8	30.40	0.00	40	26	58	20	0	5		
04	30.02	0.00	66	52	61	20	3	6	30.43	0.00	34	28	78	01	0	0	30.39	0.00	37	27	67	20	0	0		
07	30.00	0.00	67	54	63	20	4	9	30.52	0.00	35	28	73	00	0	3	30.39	0.00	38	27	65	20	0	0		
10	29.98	0.00	76	54	45	27	4	11	30.55	0.00	45	29	53	00	3	7	30.35	0.00	57	31	37	22	4	7		
13	29.95	0.00	75	55	51	33	15	29	30.51	0.00	51	23	33	32	6	11	30.23	0.00	66	32	28	21	6	14		
16	30.10	0.04	54	51	90	33	8	19	30.43	0.00	56	25	30	30	4	8	30.12	0.00	64	31	29	20	11	19		
19	30.24	0.00	47	45	92	34	6	13	30.42	0.00	55	26	32	00	1	5	30.06	0.00	59	33	38	20	9	21		
22	30.33	0.00	45	39	82	34	4	10	30.42	0.00	42	26	53	01	0	0	29.99	0.00	57	30	36	21	11	20		

### 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
01		29.912	41	31	70	2.5	23
04		29.903	39	31	73	2.8	21
07		29.928	39	31	76	3.1	22
10		29.940	46	33	62	4.5	25
13		29.913	51	33	55	5.8	28
16		29.885	53	33	51	5.5	28
19		29.889	49	32	56	3.2	27
22		29.910	44	31	64	3.1	24

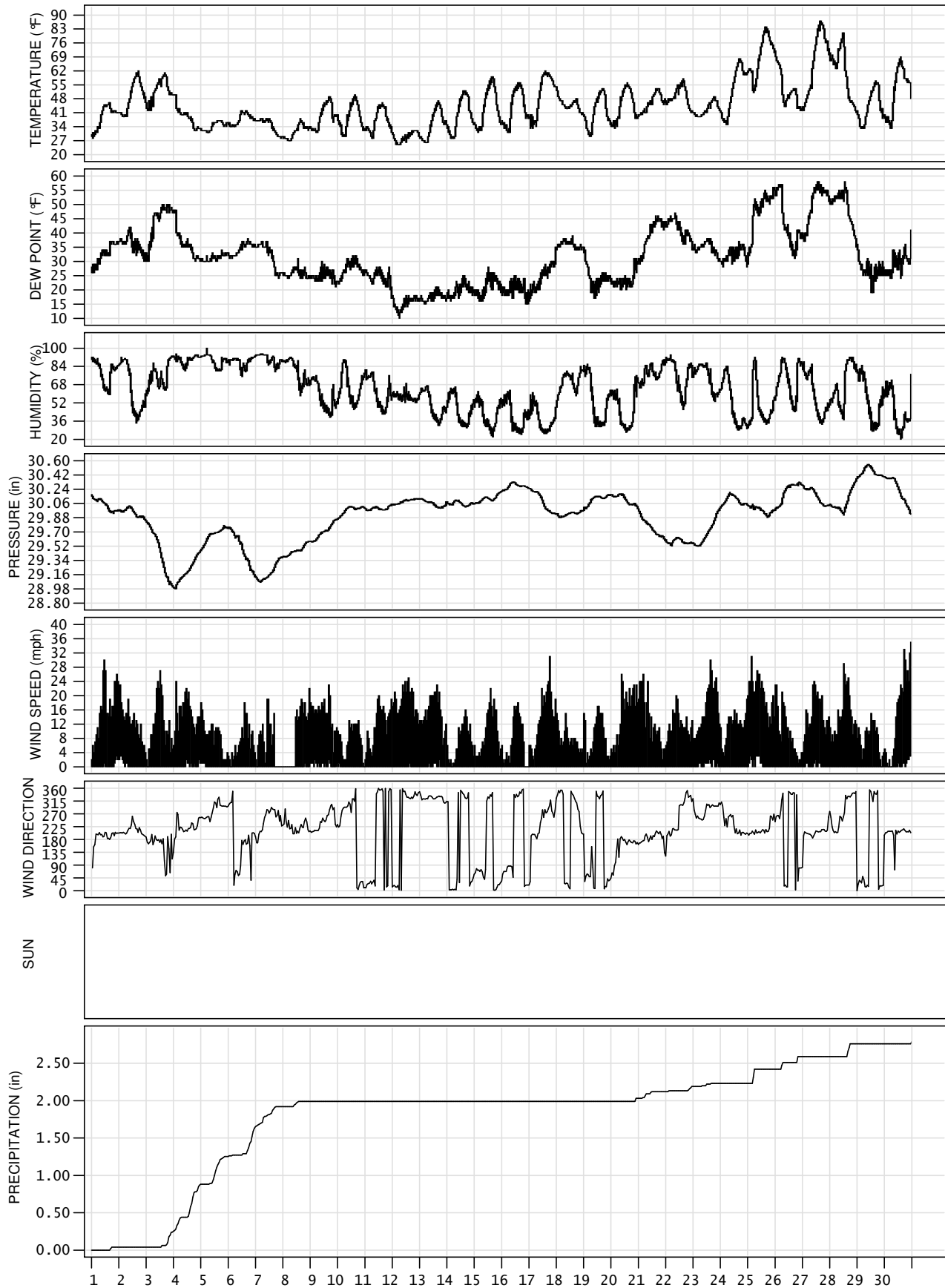
## HOURLY PRECIPITATION (Water Equivalent) April 2009: Westford

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	0.01	0.02	0.05	0.02	0.05	0.03	0.01						0.01	0.05	0.08	0.04	0.09	0.06	0.01	0.08	0.02	0.04	0.01	04	
05								0.01					0.01	0.04	0.06	0.06	0.05	0.03	0.03	0.04	0.01	0.01	0.01	0.01	05
06	0.01			0.01									0.02											06	
07	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.02				0.01	0.01	0.01	0.04	0.02	0.04	0.04	0.06	0.02	0.07	0.07	0.04	0.02	07
08												0.02	0.01	0.01											08
09																									09
10																									10
11																									11
12																									12
13																									13
14																									14
15																									15
16																									16
17																									17
18																									18
19																									19
20																							0.04		20
21				0.01		0.02	0.03					0.02	0.01												21
22			0.01																		0.01	0.02	0.01	0.02	22
23								0.01				0.02				0.01									23
24																									24
25					0.08	0.11																			25
26						0.05	0.04																		26
27																									27
28															0.07	0.05	0.05				0.08				28
29																									29
30																								0.03	30
Sum	0.03	0.03	0.07	0.05	0.14	0.22	0.14	0.04	0.00	0.04	0.08	0.11	0.11	0.14	0.15	0.17	0.26	0.20	0.11	0.20	0.14	0.21	0.08	0.07	Sum

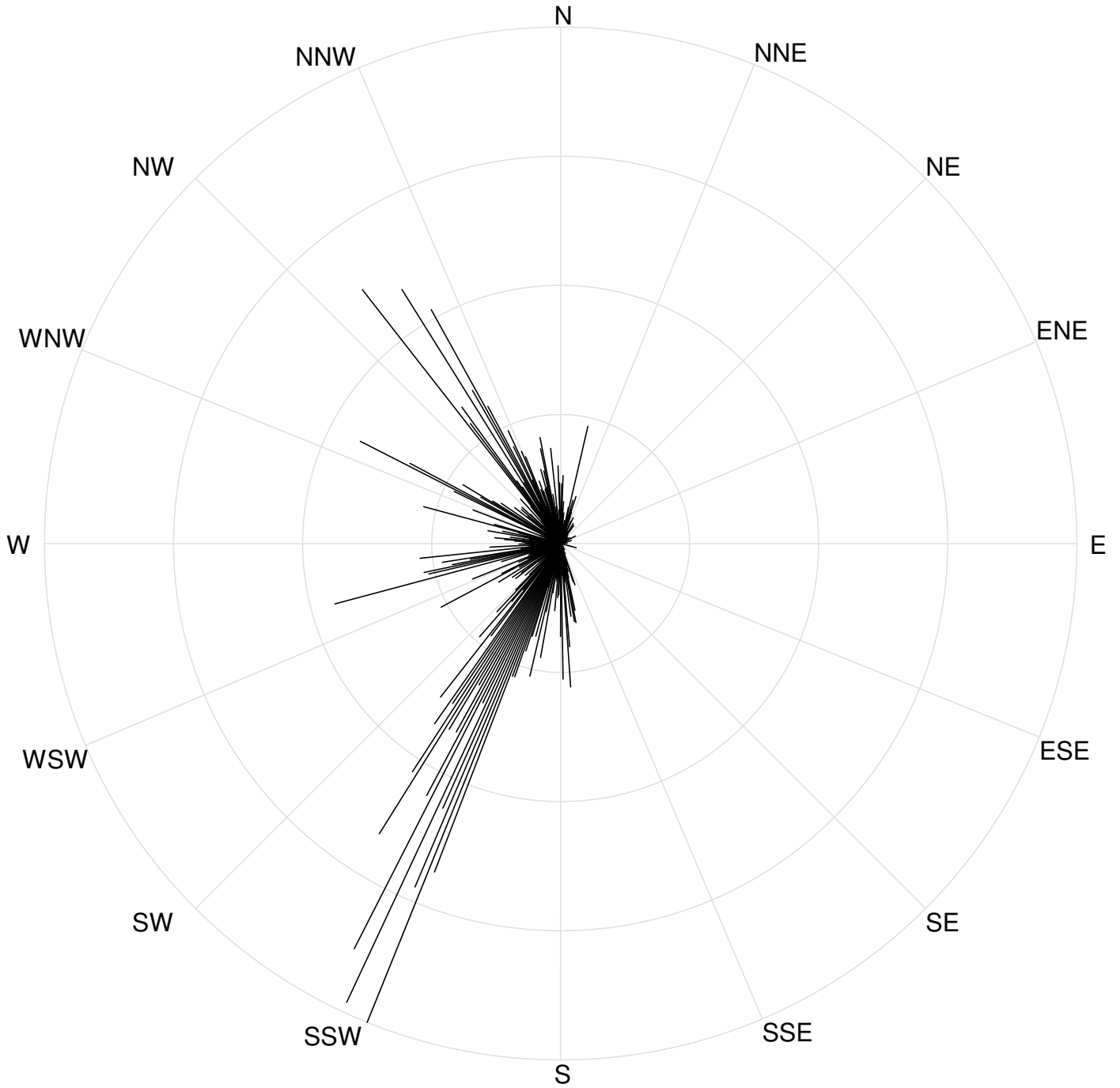
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

# HOUR-BY-HOUR DATA

## April 2009: Westford



Wind Rose: April 2009  
**Westford**



Maximum direction of wind: 84.7 miles from 202°.  
2751.2 total miles of wind.