

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### January 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	
	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	6.9	-3.6	1.7	0.4	-7	72	63	0	.....	1	0.00	0.0	30.27	30.02	30.189	4.2	4.2	336	25	NW	14	315	
2	21.4	0.0	10.7	14.1	7	73	54	0	.....	1	0.00	0.0	30.16	29.65	29.834	3.9	3.7	208	22	S	13	218	
3	20.1	12.2	16.2	16.3	8	71	49	0	.....	2	0.05	0.8	30.04	29.66	29.872	6.4	6.2	316	28	WNW	18	329	
4	18.7	6.6	12.7	12.4	5	70	52	0	.....	2	0.00	0.0	30.14	29.87	30.065	2.0	1.7	332	21	NW	13	330	
5	31.0	16.6	23.8	24.9	19	79	41	0	...4.....	2	0.08	0.4	29.92	29.82	29.870	3.4	2.9	262	19	W	11	288	
6	30.1	16.3	23.2	21.8	14	72	42	0	.....	2	0.00	0.0	29.98	29.85	29.939	2.9	2.6	253	20	SSW	12	267	
7	31.2	19.2	25.2	26.5	23	85	40	0	...4.6...	5	0.44	2.9	29.85	28.95	29.356	3.4	2.9	190	25	S	12	189	
8	31.9	9.5	20.7	21.0	16	81	44	0	.....	9	0.28	3.7	29.60	28.92	29.212	4.8	4.1	282	20	W	13	283	
9	13.0	2.5	7.8	7.7	2	76	57	0	.....	9	T	T	30.22	29.60	29.929	1.1	1.0	333	12	WNW	8	321	
10	15.2	-4.4	5.4	5.2	-1	76	59	0	.....	8	0.00	0.0	30.34	30.05	30.243	0.3	0.3	59	6	ENE	4	61	
11	12.9	0.7	6.8	8.3	4	81	58	0	.....	11	0.20	4.2	30.05	29.91	29.993	0.8	0.7	331	14	WNW	8	303	
12	22.2	2.4	12.3	13.9	8	78	53	0	.....	11	0.00	0.0	30.21	30.01	30.122	2.5	2.5	202	13	SSW	8	200	
13	31.0	18.0	24.5	25.1	19	78	40	0	.....	9	T	T	30.20	29.58	29.879	9.5	9.1	211	36	S	22	208	
14	26.1	-8.4	8.9	-1.8	-11	63	56	0	.....	9	0.01	0.3	30.20	29.65	30.037	1.9	1.3	334	25	W	18	271	
15	4.4	-15.7	-5.6*	-7.0	-16	66	71	0	.....	8	0.00	0.0	30.36	30.19	30.283	0.5	0.5	7	9	NNW	5	10	
16	5.8	-16.2*	-5.2	-5.2	-12	73	70	0	.....	8	0.03	0.3	30.42	30.32	30.371	1.3	0.8	217	12	NNW	7	207	
17	12.2	-11.1	0.5	3.8	-5	67	64	0	.....	8	0.00	0.0	30.42	30.25	30.355	4.4	4.4	206	20	SW	13	199	
18	23.7	10.7	17.2	17.4	11	76	47	0	.....	9	0.09	0.7	30.25	29.72	29.957	2.6	2.6	181	17	S	9	187	
19	21.7	9.4	15.6	15.8	12	84	49	0	.....	10	0.09	1.6	29.72	29.58	29.642	0.2	0.1	47	5	SSW	4	217	
20	20.2	6.3	13.3	12.0	7	80	52	0	.....	10	0.01	0.2	29.80	29.66	29.737	0.7	0.6	21	12	NNE	6	31	
21	16.6	-2.5	7.1	9.2	3	75	58	0	.....	10	0.00	0.0	29.86	29.75	29.801	3.3	3.3	214	16	SSW	10	198	
22	28.0	16.6	22.3	22.6	18	84	42	0	.....	10	0.08	1.2	29.93	29.71	29.786	6.3	6.1	219	22	SSW	13	217	
23	37.8*	17.6	27.7*	27.2	21	78	37	0	.....	10	T	T	29.98	29.50	29.787	4.6	4.0	209	25	SSW	17	208	
24	36.8	-9.7	13.5	6.5	-3	66	51	0	.....	10	0.00	0.3	30.20	29.55	29.981	5.9	5.4	323	28	W	19	267	
25	15.7	-3.0	6.3	5.4	-2	71	58	0	.....	11	0.03	0.9	30.32	30.11	30.190	4.7	3.8	215	22	WSW	13	208	
26	15.8	-7.0	4.4	7.4	0	72	60	0	.....	11	T	T	30.40	30.31	30.350	2.4	2.3	213	14	S	10	215	
27	21.4	4.7	13.0	13.7	5	69	52	0	.....	10	T	T	30.46	30.33	30.406	1.7	1.5	276	11	W	8	290	
28	25.2	6.2	15.7	18.0	14	85	49	0	.....	16	0.63	5.4	30.38	29.37	29.896	2.5	2.1	195	22	SSE	12	171	
29	24.5	12.6	18.6	18.8	12	74	46	0	.....	17	0.11	1.4	29.85	29.50	29.788	3.8	3.5	269	23	WNW	17	288	
30	29.2	18.7	24.0	23.1	17	78	41	0	.....	16	0.05	0.5	29.83	29.70	29.759	5.0	4.7	213	20	S	13	213	
31	20.4	-0.4	10.0	10.8	1	65	55	0	.....	15	0.00	0.0	29.94	29.72	29.836	4.6	4.3	279	23	W	17	292	
Sum	Sum	-----	-----	---	----	Ttl	Ttl			For the month:												---	
671	125					1610	0	Number of Days		2.18	24.8	30.46	28.92	29.950	3.3	2.0	244	36	S	22	208		
Avg	Avg	Avg	Mean	Avg	Avg	----	----	Precip		Season Ttl	Date	Date	-----	----	----	---	Date	Date	Avg				
21.6	4.0	12.8	12.7	6	74.8	----	----	≥.01 inch	15	2.18	66.5	27	8	-----	----	----	---	13	13				
Number of Days						Season to Date	Snow, Ice ≥1.0 inch	7	Greatest in 24 Hours and Dates						Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date								
Max Temperature			Min Temperature			4595	0	Thunder	0	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	0.00	-	5.4	28	17		29									
0	29	31	12	----	----	Clear	7	Partly Cloudy			8	Cloudy			16								

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

## January 2009: Westford

Hour	JAN 01									JAN 02									JAN 03								
	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		30.02	0.00	-1	-8	71	35	3	19		30.15	0.00	4	-3	74	19	2	6		29.68	0.00	17	14	87	30	2	7
04		30.12	0.00	-1	-7	73	33	7	17		30.05	0.00	6	-3	67	19	4	8		29.72	0.00	17	13	87	01	0	3
07		30.20	0.00	-2	-9	72	32	9	16		29.93	0.00	4	-4	69	09	0	3		29.82	0.00	14	11	85	31	3	6
10		30.27	0.00	1	-8	68	34	6	19		29.84	0.00	17	-1	46	19	6	12		29.89	0.00	16	8	71	29	15	20
13		30.22	0.00	6	-4	65	33	7	13		29.74	0.00	20	14	77	21	9	18		29.88	0.00	19	7	59	26	11	20
16		30.22	0.00	5	-4	66	03	1	6		29.70	0.00	19	14	81	21	3	10		29.91	0.00	18	6	58	30	7	15
19		30.24	0.00	-2	-7	78	08	0	2		29.68	0.00	20	15	80	20	5	9		29.98	0.00	16	4	60	33	9	25
22		30.19	0.00	-2	-7	81	09	0	0		29.66	0.00	21	16	81	23	1	3		30.03	0.00	14	4	64	33	9	24
JAN 04									JAN 05									JAN 06									
01		30.05	0.00	11	4	72	32	8	19		29.87	0.00	19	12	76	18	4	13		29.92	0.00	22	13	69	25	4	13
04		30.08	0.00	8	2	74	32	4	13		29.85	0.00	21	16	82	21	4	12		29.95	0.00	20	12	70	19	2	5
07		30.12	0.00	7	1	77	34	2	9		29.88	0.00	24	20	85	23	1	5		29.96	0.00	21	14	73	22	2	5
10		30.14	0.00	12	3	67	00	1	4		29.90	0.00	27	23	86	22	2	4		29.97	0.00	24	15	70	21	3	9
13		30.08	0.00	16	5	62	30	3	7		29.84	0.00	28	24	86	32	2	6		29.93	0.00	27	16	65	29	10	17
16		30.09	0.00	15	5	63	09	0	0		29.83	0.00	28	22	76	31	0	5		29.95	0.00	26	15	63	29	2	5
19		30.05	0.00	13	7	75	09	0	0		29.87	0.00	27	20	74	27	9	16		29.94	0.00	17	13	83	29	0	0
22		29.98	0.00	16	8	70	19	0	4		29.90	0.00	24	15	68	24	8	14		29.90	0.00	18	13	82	34	0	1
JAN 07									JAN 08									JAN 09									
01		29.82	0.00	20	14	78	08	1	7		28.92	0.00	31	29	93	22	4	6		29.63	0.00	10	4	76	28	1	6
04		29.73	0.00	20	17	88	04	1	3		28.95	0.00	31	28	88	21	5	9		29.71	0.00	7	2	79	33	1	5
07		29.63	0.00	21	19	89	09	0	2		29.04	0.00	23	21	90	28	6	17		29.80	0.00	5	-0	80	34	0	2
10		29.48	0.00	27	21	79	18	4	10		29.15	0.00	23	17	79	26	6	16		29.91	0.00	7	1	74	06	1	3
13		29.26	0.00	30	24	80	18	8	25		29.18	0.00	20	13	75	29	9	14		29.93	0.00	12	4	69	32	3	6
16		29.09	0.00	31	27	86	20	4	11		29.32	0.00	18	10	71	29	9	15		30.03	0.00	12	4	70	01	3	10
19		29.05	0.00	30	28	92	20	3	7		29.47	0.00	12	8	82	32	4	13		30.11	0.00	7	1	76	03	1	4
22		28.99	0.00	30	28	92	20	4	11		29.54	0.00	12	5	74	32	5	11		30.19	0.00	4	-0	82	03	0	1
JAN 10									JAN 11									JAN 12									
01		30.23	0.00	3	-2	80	33	0	1		30.02	0.00	10	4	76	03	0	3		30.04	0.00	5	1	84	11	0	2
04		30.27	0.00	-1	-5	83	33	0	0		29.95	0.00	11	7	85	02	0	5		30.02	0.00	9	5	85	12	0	0
07		30.30	0.00	-2	-6	82	06	0	2		29.93	0.00	12	9	86	03	0	2		30.07	0.00	9	5	84	18	1	2
10		30.34	0.00	6	-1	75	06	3	6		29.97	0.00	9	4	79	30	0	5		30.13	0.00	15	9	78	18	2	6
13		30.27	0.00	14	3	61	04	0	2		29.99	0.00	11	5	77	31	6	11		30.12	0.00	21	11	66	20	4	7
16		30.24	0.00	11	3	72	07	0	1		30.00	0.00	11	4	75	34	0	2		30.16	0.00	20	11	69	20	4	7
19		30.19	0.00	5	-0	79	07	0	1		30.04	0.00	5	1	82	34	0	0		30.19	0.00	16	9	75	20	4	9
22		30.11	0.00	6	2	82	04	0	0		30.03	0.00	2	-2	83	00	0	0		30.20	0.00	17	11	77	20	5	11
JAN 13									JAN 14									JAN 15									
01		30.18	0.00	20	13	77	20	5	12		29.69	0.00	15	8	71	30	10	18		30.20	0.00	-7	-14	70	04	0	0
04		30.14	0.00	19	13	79	21	3	10											30.22	0.00	-11	-17	73	04	0	0
07		30.06	0.00	20	13	75	20	7	23											30.26	0.00	-13	-18	78	04	0	0
10		29.98	0.00	24	17	73	20	7	21		30.06	0.00	-4	-14	61	02	1	6		30.31	0.00	-2	-13	59	02	1	4
13		29.81	0.00	28	19	70	21	13	27		30.04	0.00	0	-14	51	01	0	6		30.27	0.00	4	-13	45	00	2	6
16		29.70	0.00	29	24	83	20	15	25		30.12	0.00	-1	-13	54	01	0	4		30.29	0.00	-0	-14	51	01	1	6
19		29.65	0.00	31	26	84	20	11	23		30.15	0.00	-5	-14	63	03	0	6		30.35	0.00	-10	-18	69	04	0	4
22		29.59	0.00	31	27	86	21	11	22		30.17	0.00	-6	-14	68	04	0	3		30.35	0.00	-13	-18	76	08	0	2
JAN 16									JAN 17									JAN 18									
01		30.32	0.00	-14	-19	77	09	0	0		30.41	0.00	-10	-16	75	14	0	2		30.23	0.00	11	-3	52	18	2	7
04		30.33	0.00	-9	-15	74	19	4	7		30.39	0.00	-4	-9	79	20	3	9		30.12	0.00	11	5	75	18	7	12
07		30.37	0.00	-6	-13	73	20	2	9		30.37	0.00	-1	-7	77	21	6	15		30.06	0.00	14	8	76	19	4	10
10		30.41	0.00	1	-8	67	23	5	7		30.40	0.00	5	-4	67	21	9	16		30.02	0.00	18	13	83	20	7	15
13		30.34	0.00	6	-8	52	24	0	3		30.35	0.00	10	-2	59	20	6	13		29.90	0.00	23	14	69	20	4	11
16		30.36	0.00	-0	-6	76	02	3	11		30.34	0.00	10	-1	60	20	7	12		29.85	0.00	23	15	70	19	0	3
19		30.42	0.00	-7	-12	78	09	3	5		30.32	0.00	7	-3	63	19	1	3		29.82	0.00	21	15	78	16	0	2
22		30.41	0.00	-8	-14	77	10	0	0		30.28	0.00	9	-2	60	18	1	4		29.75	0.00	19	15	86	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

## January 2009: Westford

Hour	JAN 19									JAN 20									JAN 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		29.69	0.00	17	13	87	11	0	0		29.67	0.00	13	10	85	04	0	1		29.79	0.00	6	2	81	28	0	2
04		29.66	0.00	17	14	87	06	0	0		29.70	0.00	11	7	86	07	0	1		29.80	0.00	-1	-5	83	28	0	0
07		29.64	0.00	11	7	85	04	0	1		29.73	0.00	11	7	86	07	0	1		29.82	0.00	-0	-4	83	28	0	1
10		29.65	0.00	14	9	81	09	1	2		29.75	0.00	13	8	80	01	1	4		29.86	0.00	9	2	74	22	2	5
13		29.59	0.00	19	14	79	00	0	2		29.72	0.00	18	10	71	03	2	7		29.80	0.00	12	5	74	20	6	14
16		29.61	0.00	18	13	81	34	0	2		29.74	0.00	15	8	74	35	1	7		29.78	0.00	15	5	66	21	7	15
19		29.64	0.00	17	13	86	03	0	2		29.77	0.00	8	3	81	04	0	4		29.79	0.00	15	7	69	21	5	12
22		29.66	0.00	13	10	86	03	0	0		29.79	0.00	9	3	79	32	1	3		29.77	0.00	16	10	76	21	7	12
JAN 22									JAN 23									JAN 24									
01		29.75	0.00	17	12	79	20	7	15		29.95	0.00	22	18	84	02	1	5		29.62	0.00	28	24	87	31	11	24
04		29.73	0.00	18	14	87	21	7	17		29.97	0.00	20	16	85	05	0	2		29.73	0.00	17	10	74	33	5	18
07		29.73	0.00	20	16	87	21	6	17		29.96	0.00	18	14	83	07	0	0		29.88	0.00	9	3	74	33	8	22
10		29.74	0.00	21	17	86	20	9	16		29.93	0.00	21	17	84	21	1	2		30.01	0.00	4	-7	60	34	5	20
13		29.73	0.00	23	20	86	21	8	13		29.78	0.00	27	22	82	21	5	13		30.05	0.00	5	-9	52	33	3	14
16		29.80	0.00	26	21	83	21	5	9		29.66	0.00	34	26	72	20	10	18		30.11	0.00	2	-11	54	01	2	10
19		29.87	0.00	27	22	84	21	5	9		29.60	0.00	36	26	69	20	8	20		30.18	0.00	-6	-15	64	03	0	0
22		29.91	0.00	28	22	78	24	4	7		29.51	0.00	38	27	66	21	12	22		30.20	0.00	-1	-11	62	27	5	10
JAN 25									JAN 26									JAN 27									
01		30.19	0.00	-2	-11	63	20	4	10		30.33	0.00	2	-3	80	03	0	0		30.34	0.00	15	6	69	23	4	6
04		30.16	0.00	1	-9	64	20	7	14		30.36	0.00	-4	-9	80	02	0	0		30.35	0.00	15	6	68	25	3	9
07		30.14	0.00	3	-4	74	21	8	15		30.38	0.00	-7	-11	81	03	0	0		30.40	0.00	13	7	74	24	2	7
10		30.14	0.00	10	1	67	21	9	22		30.40	0.00	6	0	78	21	6	12		30.46	0.00	15	7	71	31	4	6
13		30.11	0.00	15	4	62	22	8	15		30.35	0.00	14	3	60	20	7	12		30.42	0.00	19	6	57	27	4	10
16		30.19	0.00	12	7	81	33	1	7		30.32	0.00	15	5	63	21	6	12		30.42	0.00	19	5	53	05	1	5
19		30.26	0.00	6	-2	70	00	1	9		30.33	0.00	15	6	67	22	3	6		30.43	0.00	10	2	72	07	0	0
22		30.30	0.00	1	-5	75	03	0	1		30.33	0.00	15	7	71	22	5	8		30.41	0.00	5	0	81	07	0	0
JAN 28									JAN 29									JAN 30									
01		30.35	0.00	7	2	80	07	0	0		29.59	0.00	19	13	78	29	10	16		29.82	0.00	20	14	77	19	4	11
04		30.31	0.00	9	4	79	07	0	0		29.70	0.00	15	10	78	26	6	16		29.81	0.00	21	14	75	19	5	11
07		30.22	0.00	13	7	76	10	0	4		29.80	0.00	13	7	77	26	5	8		29.80	0.00	21	16	79	21	7	11
10		30.06	0.00	19	15	84	16	7	20		29.84	0.00	17	9	71	27	4	10		29.77	0.00	24	19	78	20	6	15
13		29.88	0.00	21	18	87	17	4	10		29.83	0.00	22	12	67	31	5	11		29.71	0.00	29	20	69	21	7	16
16		29.62	0.00	22	20	89	19	0	0		29.84	0.00	23	14	67	21	1	5		29.71	0.00	28	21	73	21	6	15
19		29.45	0.00	25	22	90	19	1	3		29.84	0.00	19	13	76	20	1	3		29.74	0.00	23	20	89	20	2	3
22		29.38	0.00	25	22	90	21	5	8		29.84	0.00	21	14	74	19	2	4		29.73	0.00	20	16	83	23	1	2
JAN 31																											
01		29.72	0.00	20	14	78	28	3	8																		
04		29.73	0.00	18	11	72	26	6	14																		
07		29.77	0.00	13	4	66	28	8	17																		
10		29.82	0.00	13	1	59	25	11	16																		
13		29.85	0.00	13	-1	53	32	8	18																		
16		29.89	0.00	11	-4	49	01	0	4																		
19		29.93	0.00	1	-8	68	01	0	1																		
22		29.93	0.00	1	-6	71	01	0	1																		

### 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

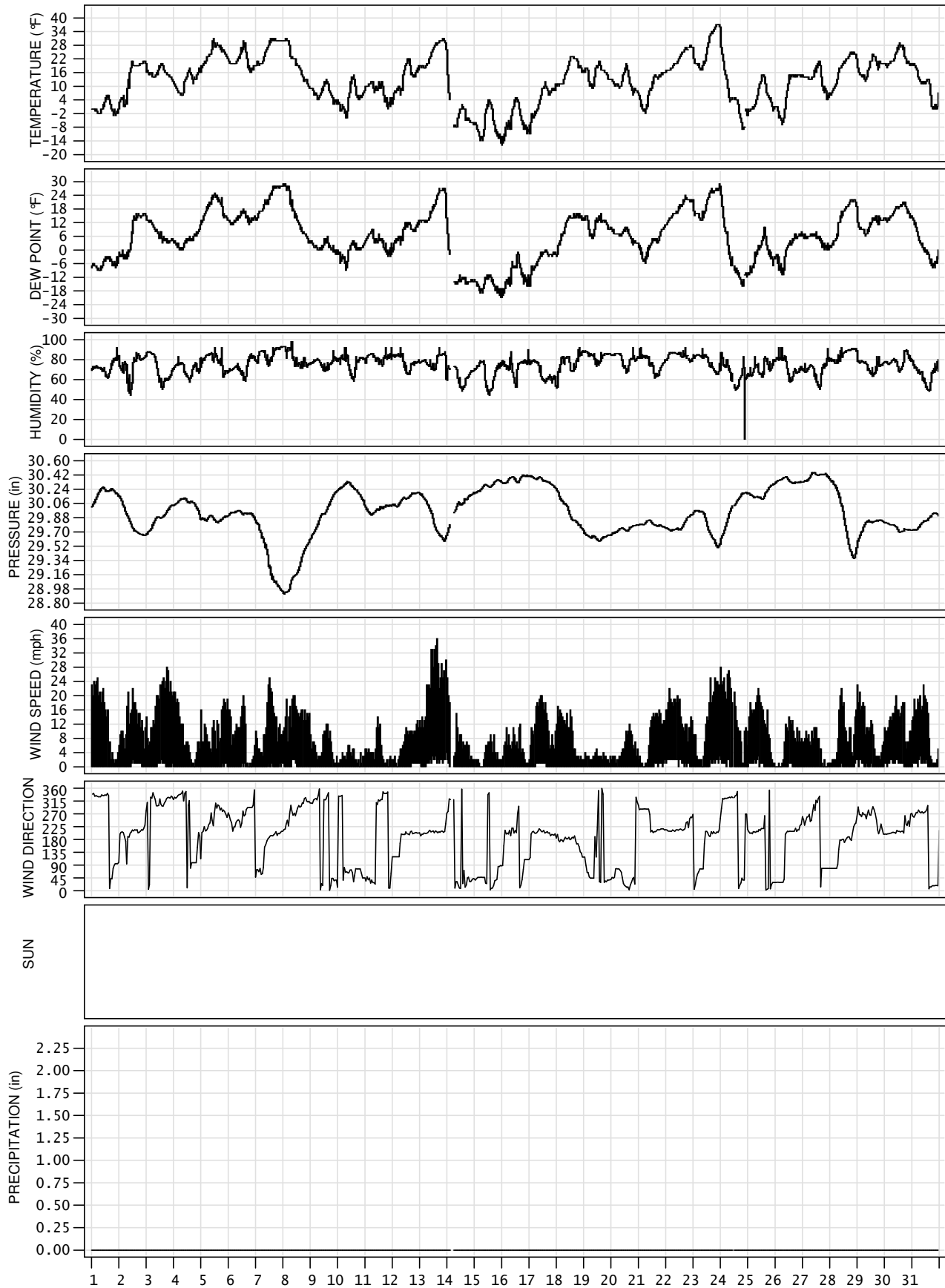
Hour	Averages						Resultant Wind	
	Sunshine	Pressure	Temperature	Dew Point	Humidity	Wind Speed	Direction	Speed
01		29.942	11	5	77	2.9	27	1.6
04		29.953	10	5	79	2.8	23	1.7
07		29.969	10	4	79	2.9	25	1.8
10		29.987	13	6	73	4.7	23	2.8
13		29.935	17	8	67	5.3	25	3.1
16		29.932	17	8	69	3.3	23	1.9
19		29.946	13	7	76	2.5	23	1.4
22		29.937	12	6	77	2.8	24	2.1

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

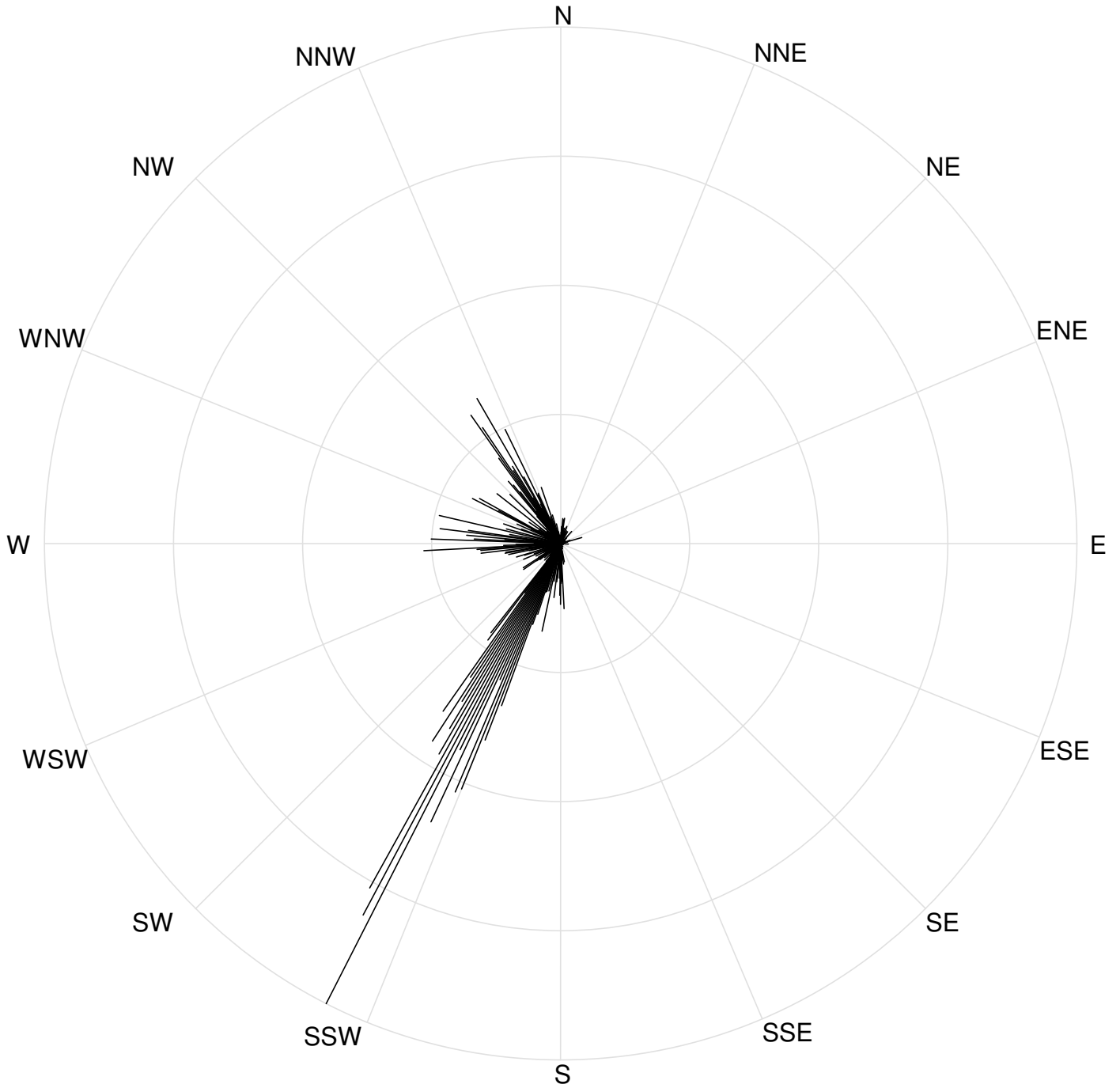
Date	A.M. Hour Ending at												P.M. Hour Ending at												Date
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	
01																								01	
02																									02
03																									03
04																									04
05																									05
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29																									29
30																									30
31																									31
Sum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 January 2009: Westford



Wind Rose: January 2009  
**Westford**



Maximum direction of wind: 115.3 miles from 207°.  
2426.2 total miles of wind.