

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### September 2008

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 hv 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	78.4	51.7	65.1	65.2	57	76	0	0	.....	0	0.00	0.0	30.20	30.10	30.139	0.7	0.6	335	16	W	8	297	
2	83.6	54.4	69.0	68.4	62	81	0	4	.....	0	0.00	0.0	30.10	29.95	30.032	0.5	0.4	324	11	WNW	5	294	
3	84.5	57.9	71.2	69.7	63	82	0	7	.....	0	0.00	0.0	29.95	29.79	29.868	0.5	0.3	282	11	W	5	282	
4	77.4	61.9	69.7	68.5	64	86	0	5	.....	0	T	0.0	29.98	29.81	29.895	0.8	0.7	206	13	W	6	196	
5	85.0*	61.5	73.3*	73.5	64	74	0	9	.....	0	0.00	0.0	29.98	29.84	29.909	4.3	4.3	190	31	SSW	16	196	
6	72.6	63.6	68.1	69.0	64	85	0	4	.....	0	0.05	0.0	29.88	29.73	29.824	3.4	3.3	191	23	SE	11	188	
7	67.3	55.0	61.2	58.5	55	89	4	0	.....	0	0.11	0.0	29.97	29.71	29.858	2.1	2.1	298	18	W	11	286	
8	74.3	53.1	63.7	62.0	54	77	1	0	.....	0	T	0.0	30.08	29.97	30.024	1.8	1.7	214	16	S	9	189	
9	63.2	51.9	57.6	58.9	55	87	7	0	..3.....	0	0.68	0.0	30.02	29.73	29.884	3.2	2.3	248	22	SSW	14	287	
10	64.9	42.1	53.5	53.5	46	78	11	0	.....	0	0.03	0.0	30.33	30.01	30.217	1.0	0.9	340	16	W	9	273	
11	69.1	38.7	53.9	52.1	44	77	11	0	.....	0	0.00	0.0	30.39	30.18	30.313	0.7	0.6	198	14	NW	7	280	
12	62.0	48.8	55.4	58.3	55	89	9	0	.....	0	0.09	0.0	30.18	29.86	29.982	4.9	4.9	193	26	SSW	13	197	
13	74.4	59.6	67.0	64.7	62	91	0	2	.....	0	0.01	0.0	29.91	29.80	29.868	1.0	0.8	203	12	S	7	188	
14	79.3	59.9	69.6	71.0	68	90	0	5	.....	0	0.37	0.0	29.81	29.32	29.587	4.5	4.5	189	28	S	17	188	
15	77.3	51.0	64.2	63.7	58	81	1	0	.....	0	T	0.0	30.03	29.17	29.607	7.6	5.6	254	40	W	23	277	
16	66.1	43.2	54.6	52.9	46	80	10	0	.....	0	0.00	0.0	30.15	30.03	30.100	0.9	0.8	274	12	WNW	6	281	
17	69.7	42.0	55.8	56.1	49	78	9	0	.....	0	0.00	0.0	30.14	29.99	30.073	2.6	2.5	200	17	S	11	206	
18	59.0	35.8	47.4*	49.7	43	79	17	0	.....	0	0.26	0.0	30.42	30.04	30.259	1.4	1.2	321	17	NNW	11	6	
19	63.6	31.6*	47.6	47.4	39	74	17	0	.....	0	0.00	0.0	30.49	30.32	30.412	1.9	1.9	198	17	SSW	11	226	
20	68.1	46.5	57.3	56.0	47	72	7	0	.....	0	0.00	0.0	30.32	30.10	30.195	4.9	4.9	193	22	S	13	208	
21	61.4	37.1	49.3	52.1	46	80	16	0	.....	0	0.00	0.0	30.37	30.10	30.235	1.6	0.8	242	14	S	7	192	
22	62.3	33.7	48.0	45.2	38	79	17	0	.....	0	0.00	0.0	30.49	30.36	30.447	0.6	0.5	327	12	WNW	6	295	
23	65.2	32.3	48.7	47.1	40	80	16	0	.....	0	0.00	0.0	30.54	30.43	30.483	0.4	0.3	299	9	W	5	288	
24	75.6	44.3	59.9	58.0	51	79	5	0	.....	0	0.00	0.0	30.44	30.36	30.404	0.4	0.4	210	7	S	5	287	
25	76.6	51.0	63.8	61.9	55	80	1	0	.....	0	0.00	0.0	30.44	30.38	30.403	1.1	1.0	192	12	S	6	200	
26	62.3	41.1	51.7	53.8	48	82	13	0	.....	0	0.34	0.0	30.42	30.18	30.339	0.4	0.1	118	9	S	3	180	
27	70.9	55.7	63.3	62.0	59	91	1	0	.....	0	0.00	0.0	30.18	29.97	30.067	0.6	0.6	195	11	SSW	5	205	
28	67.9	58.0	63.0	62.8	61	95	2	0	.....	0	0.04	0.0	29.97	29.84	29.897	0.4	0.4	340	12	NNW	4	6	
29	58.0	51.4	54.7	53.9	52	94	10	0	.....	0	0.03	0.0	30.00	29.90	29.968	0.5	0.5	351	12	NNW	5	6	
30	67.6	52.3	59.9	57.2	53	87	5	0	.....	0	0.00	0.0	29.96	29.68	29.836	0.9	0.9	201	13	S	7	214	
Sum	Sum	-----	-----	---	----	Ttl	Ttl						For the month:										---
2108	1467					190	36	Number of Days		2.01	0.0	30.54	29.17	30.071	1.9	1.2	220	40	W	23	277		
Avg	Avg	Avg	Mean	Avg	Avg	----	----	Precip		Season Ttl	Date	Date	-----	----	----	---	Date	Date	Avg				
70.3	48.9	59.6	59.1	53	82.5	----	----	≥.01 inch	11	33.82	0.0	23	15	-----	----	----	---	15	15				
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			237	315	Thunder	1	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	0.71	9-10	0.0	-	0						-					
0	0	2	0	----	----	Clear	11	Partly Cloudy	7	Cloudy	12												

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 September 2008: 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			
SEP 01									SEP 02									SEP 03															
01	30.13	0.00	58	54	85	34	0	2	30.09	0.00	57	55	92	32	0	0	29.94	0.00	64	62	95	04	0	0									
04	30.14	0.00	58	53	84	32	0	3	30.07	0.00	56	54	94	32	0	0	29.92	0.00	61	59	93	01	0	0									
07	30.17	0.00	54	52	85	01	0	2	30.08	0.00	57	55	95	22	0	0	29.91	0.00	59	58	95	01	0	0									
10	30.19	0.00	69	58	69	01	2	6	30.08	0.00	75	63	67	32	0	6	29.91	0.00	74	65	75	17	1	6									
13	30.16	0.00	75	61	62	30	3	10	30.03	0.00	80	66	62	30	1	5	29.86	0.00	81	68	65	29	1	4									
16	30.11	0.00	78	61	57	31	0	6	29.98	0.00	83	69	63	33	1	9	29.81	0.00	84	66	56	29	2	7									
19	30.10	0.00	69	62	78	04	0	0	29.97	0.00	75	67	78	02	0	1	29.80	0.00	73	67	81	04	0	0									
22	30.12	0.00	61	56	85	04	0	1	29.97	0.00	65	62	93	04	0	0	29.82	0.00	64	62	94	18	0	2									
SEP 04									SEP 05									SEP 06															
01	29.82	0.00	63	61	94	20	0	4	29.97	0.00	62	61	95	02	0	0	29.88	0.00	72	61	69	18	9	20									
04	29.83	0.00	64	62	93	19	1	6	29.95	0.00	62	60	95	02	0	0	29.87	0.00	69	60	74	19	8	14									
07	29.87	0.00	64	62	94	19	2	6	29.95	0.00	66	64	96	18	6	11	29.86	0.00	67	62	84	19	4	11									
10	29.88	0.00	74	66	76	19	3	9	29.95	0.00	75	67	78	17	4	11	29.85	0.00	69	64	86	18	5	15									
13	29.91	0.00	77	67	71	27	0	4	29.90	0.00	83	68	61	20	4	16	29.83	0.00	71	66	84	20	6	13									
16	29.91	0.00	75	68	77	05	0	2	29.84	0.00	84	65	53	18	11	29	29.78	0.00	71	69	93	18	2	7									
19	29.94	0.00	70	65	86	14	0	0	29.86	0.00	79	63	60	19	5	16	29.79	0.00	69	68	94	21	2	7									
22	29.98	0.00	64	62	95	14	0	0	29.89	0.00	75	61	62	18	10	20	29.75	0.00	66	64	94	29	0	3									
SEP 07									SEP 08									SEP 09															
01	29.72	0.00	62	61	95	32	1	11	29.98	0.00	56	54	94	22	0	0	30.01	0.00	60	54	81	19	0	2									
04	29.74	0.00	59	58	95	31	3	14	30.01	0.00	54	51	90	23	0	5	29.95	0.00	58	54	85	07	0	3									
07	29.81	0.00	56	54	95	28	4	18	30.05	0.00	55	53	91	19	1	5	29.81	0.00	60	55	83	19	0	6									
10	29.88	0.00	57	55	95	29	5	9	30.05	0.00	65	57	76	17	3	7	29.79	0.17	61	59	94	18	5	15									
13	29.89	0.00	60	56	85	29	1	12	30.03	0.00	72	58	61	24	3	11	29.77	0.05	62	61	94	28	8	14									
16	29.90	0.00	64	54	70	28	2	12	30.00	0.00	67	56	68	20	1	4	29.85	0.00	60	56	89	29	4	9									
19	29.93	0.00	55	52	89	30	0	2	30.01	0.00	64	56	76	22	0	0	29.91	0.00	56	52	85	25	2	5									
22	29.97	0.00	56	53	92	34	0	1	30.03	0.00	64	51	63	20	3	11	29.98	0.00	56	51	86	29	3	6									
SEP 10									SEP 11									SEP 12															
01	30.03	0.00	50	48	92	29	0	2	30.34	0.00	41	39	93	20	0	0	30.17	0.00	50	46	86	20	0	4									
04	30.09	0.00	52	49	92	30	1	4	30.34	0.00	43	41	92	18	0	4	30.12	0.00	55	50	85	18	4	10									
07	30.19	0.00	50	48	94	28	0	5	30.39	0.00	40	38	94	19	0	0	30.07	0.00	56	53	87	18	2	12									
10	30.26	0.00	57	47	70	35	2	9	30.38	0.00	58	50	73	12	1	7	30.02	0.00	61	55	82	17	4	20									
13	30.26	0.00	60	42	52	01	3	8	30.34	0.00	64	47	53	18	1	7	29.95	0.00	60	57	90	19	6	15									
16	30.26	0.00	64	48	56	29	1	12	30.29	0.00	69	46	43	28	0	4	29.87	0.00	62	58	88	18	4	23									
19	30.28	0.00	53	46	79	00	0	1	30.24	0.00	56	50	78	17	0	0	29.86	0.00	61	59	94	19	6	16									
22	30.31	0.00	43	41	91	00	0	0	30.22	0.00	46	44	93	17	0	0	29.87	0.00	61	60	95	21	2	14									
SEP 13									SEP 14									SEP 15															
01	29.88	0.00	61	59	95	19	3	7	29.78	0.00	64	63	96	21	0	4	29.28	0.00	77	71	82	18	9	25									
04	29.88	0.00	61	60	96	19	2	7	29.73	0.00	64	63	96	15	0	4	29.18	0.00	76	70	81	19	12	25									
07	29.89	0.00	61	60	96	21	2	7	29.65	0.13	66	64	96	19	3	13	29.37	0.00	70	61	72	25	9	22									
10	29.90	0.00	65	63	93	19	1	4	29.62	0.00	69	68	95	19	10	17	29.57	0.00	62	56	80	28	8	18									
13	29.88	0.00	69	65	85	27	1	5	29.57	0.00	75	71	87	19	8	19	29.69	0.00	64	57	78	29	2	18									
16	29.85	0.00	73	65	78	35	0	3	29.53	0.00	78	72	84	20	6	19	29.78	0.00	59	53	80	28	10	17									
19	29.86	0.00	66	63	91	01	0	0	29.48	0.00	76	72	85	18	7	16	29.88	0.00	56	51	86	27	3	12									
22	29.83	0.00	60	59	95	03	0	0	29.42	0.00	77	72	83	19	7	22	29.99	0.00	53	50	87	30	0	12									
SEP 16									SEP 17									SEP 18															
01	30.04	0.00	51	48	90	30	0	4	30.14	0.00	43	41	94	09	0	0	30.08	0.10	52	49	90	35	8	17									
04	30.08	0.00	49	45	87	27	1	5	30.13	0.00	44	42	95	19	0	4	30.13	0.00	48	46	93	02	1	4									
07	30.09	0.00	46	44	94	31	0	0	30.12	0.00	43	42	95	20	2	4	30.19	0.00	42	40	93	01	0	0									
10	30.15	0.00	52	47	84	34	1	3	30.11	0.00	59	50	73	21	5	11	30.27	0.00	55	48	77	32	1	3									
13	30.12	0.00	58	49	72	29	1	7	30.07	0.00	66	50	55	19	4	13	30.31	0.00	58	45	64	34	2	14									
16	30.08	0.00	65	49	56	28	2	9	30.00	0.00	69	54	58	18	4	14	30.30	0.00	58	42	56	28	9	17									
19	30.09	0.00	54	47	79	01	0	0	30.00	0.00	62	53	73	19	2	6	30.33	0.00	48	39	73	35	0	1									
22	30.13	0.00	44	42	91	01	0	0	30.03	0.00	61	52	73	19	2	6	30.40	0.00	41	37	86	01	0	0									

## MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.27	0.28	0.29	0.30	0.30	0.30	0.30	0.30	0.31	0.32	0.36	0.46
Ended: Date	09	09	09	09	09	09	09	09	09	09	09	09
Ended: Time	1244	1244	1244	1248	1248	1248	1248	1248	1248	1248	1244	1244

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

## September 2008: Westford

Hour	SEP 19									SEP 20									SEP 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		30.43	0.00	35	34	93	01	0	0		30.31	0.00	48	42	80	19	3	10		30.11	0.00	57	51	79	20	5	12
04		30.45	0.00	34	32	94	01	0	0		30.28	0.00	48	42	79	19	4	11		30.11	0.00	56	50	80	19	3	7
07		30.47	0.00	32	32	100	01	0	0		30.26	0.00	47	42	82	19	5	12		30.16	0.00	55	50	84	27	3	6
10		30.49	0.00	51	41	67	20	6	12		30.24	0.00	56	47	73	19	9	18		30.24	0.00	48	45	91	35	1	8
13		30.45	0.00	59	42	53	23	3	13		30.17	0.00	64	51	63	19	6	17		30.27	0.00	55	47	76	06	2	6
16		30.37	0.00	63	41	44	19	7	12		30.12	0.00	67	53	60	21	6	13		30.27	0.00	60	49	65	28	2	7
19		30.33	0.00	54	43	66	16	1	7		30.10	0.00	59	50	71	19	2	7		30.31	0.00	49	43	80	04	0	2
22		30.33	0.00	48	42	79	19	1	5		30.11	0.00	57	49	75	19	4	13		30.36	0.00	40	38	91	03	0	0
SEP 22									SEP 23									SEP 24									
01		30.36	0.00	37	36	94	03	0	0		30.50	0.00	35	33	93	31	0	0		30.44	0.00	45	43	92	06	0	2
04		30.40	0.00	36	34	94	03	0	0		30.49	0.00	34	32	94	31	0	0		30.42	0.00	50	47	87	18	1	4
07		30.45	0.00	34	32	94	07	0	1		30.53	0.00	33	31	94	31	0	0		30.43	0.00	45	43	93	19	0	0
10		30.49	0.00	51	44	77	08	0	3		30.53	0.00	52	43	71	06	1	3		30.44	0.00	63	50	63	17	0	3
13		30.47	0.00	60	44	56	28	2	9		30.50	0.00	62	40	44	01	2	6		30.40	0.00	72	56	57	12	1	7
16		30.45	0.00	62	42	48	29	2	5		30.46	0.00	60	45	57	29	2	5		30.36	0.00	74	57	56	19	3	7
19		30.46	0.00	45	39	81	31	0	0		30.43	0.00	53	48	84	07	0	0		30.36	0.00	59	54	84	19	0	0
22		30.48	0.00	37	35	91	31	0	0		30.44	0.00	48	46	92	07	0	0		30.38	0.00	53	52	94	19	0	0
SEP 25									SEP 26									SEP 27									
01		30.38	0.00	53	51	95	19	0	2		30.38	0.00	55	40	57	19	1	6		30.17	0.00	56	55	95	36	0	1
04		30.40	0.00	52	50	93	19	0	0		30.37	0.00	47	39	74	16	0	2		30.12	0.00	56	55	95	04	0	2
07		30.43	0.00	52	51	95	18	1	5		30.39	0.00	41	36	82	20	0	0		30.10	0.00	57	56	96	19	1	3
10		30.42	0.00	65	60	82	13	0	3		30.40	0.00	57	48	73	18	1	5		30.11	0.00	62	60	92	20	2	9
13		30.41	0.00	73	59	62	19	5	11		30.38	0.00	61	52	73	09	0	3		30.08	0.00	67	62	84	18	1	7
16		30.39	0.00	75	61	62	19	1	3		30.32	0.00	56	53	88	01	1	7		30.01	0.00	71	64	79	19	2	6
19		30.40	0.00	61	55	81	15	0	3		30.28	0.00	56	54	93	06	0	0		29.99	0.00	64	62	92	10	0	0
22		30.39	0.00	61	53	74	16	1	7		30.23	0.00	56	54	94	01	0	0		29.99	0.00	61	60	92	08	0	0
SEP 28									SEP 29									SEP 30									
01		29.94	0.00	62	60	96	18	0	4		29.91	0.00	57	55	95	00	2	10		29.94	0.00	53	51	95	02	0	3
04		29.92	0.00	61	60	96	18	0	0		29.93	0.00	54	52	95	00	1	5		29.92	0.00	53	51	95	02	1	3
07		29.92	0.00	62	61	96	18	0	0		29.96	0.00	52	51	96	30	0	3		29.92	0.00	52	51	96	04	0	0
10		29.91	0.00	64	63	96	29	0	1		30.00	0.00	52	51	95	35	1	5		29.90	0.00	58	54	87	22	1	4
13		29.89	0.00	65	64	96	00	0	2		29.99	0.00	55	52	91	00	0	4		29.84	0.00	64	56	75	18	2	8
16		29.84	0.00	67	64	91	31	1	7		29.98	0.00	55	52	90	02	0	4		29.76	0.00	64	55	74	20	2	6
19		29.87	0.00	63	61	93	35	0	7		29.98	0.00	54	52	93	00	0	0		29.73	0.00	56	52	88	17	1	4
22		29.89	0.00	61	59	95	00	1	6		29.98	0.00	53	52	95	00	0	0		29.70	0.00	56	53	90	19	0	3

### 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

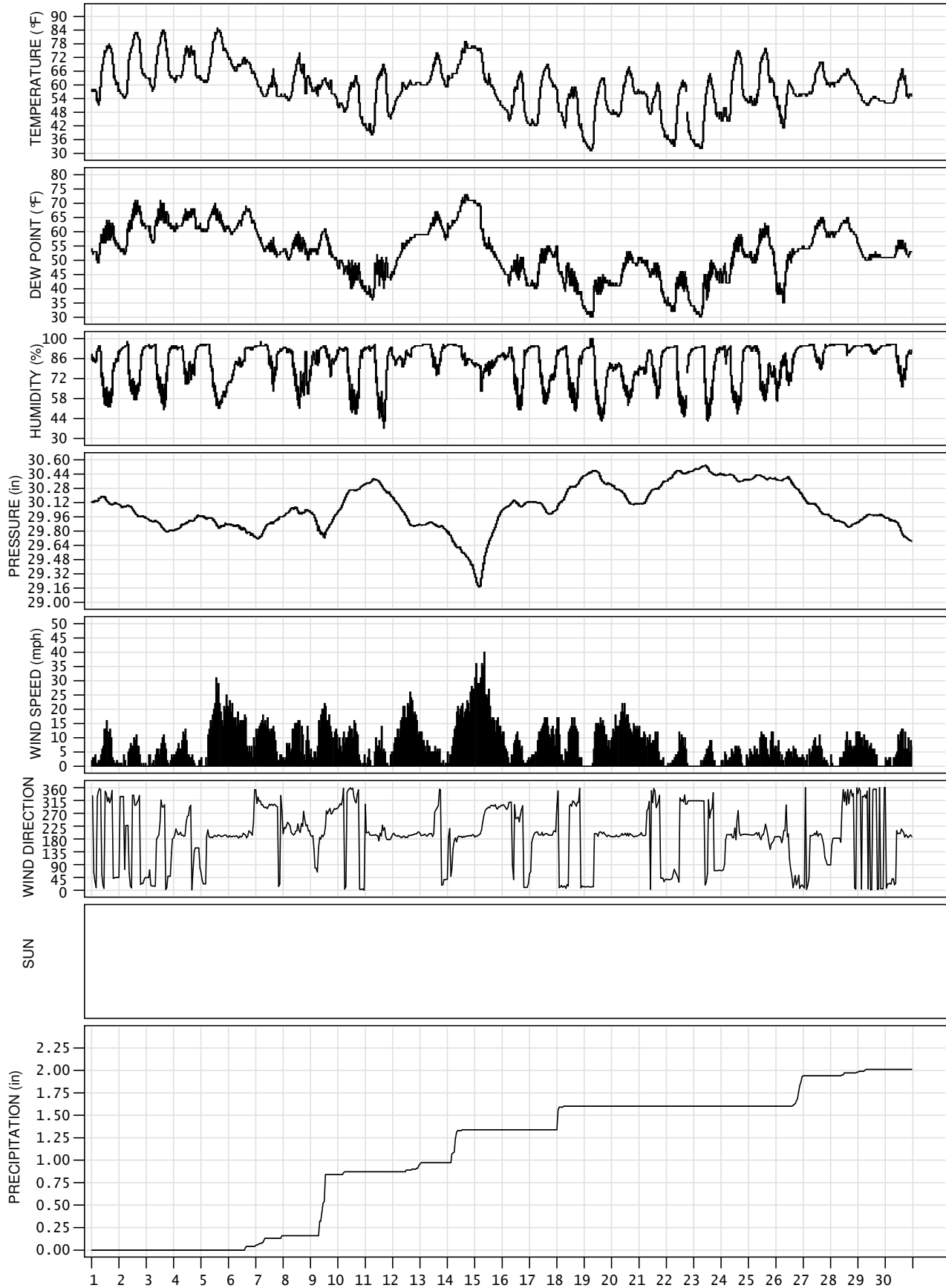
Hour	Averages						Resultant Wind	
	Sunshine	Pressure	Temperature	Dew Point	Humidity	Wind Speed	Direction	Speed
01		30.072	55	51	89	1.4	20	0.7
04		30.066	54	51	90	1.5	20	1.1
07		30.083	52	50	92	1.5	22	1.3
10		30.100	61	55	80	2.8	21	1.7
13		30.081	66	56	70	2.7	23	1.4
16		30.050	68	56	68	3.0	23	1.9
19		30.052	60	55	82	1.0	20	0.9
22		30.065	56	52	87	1.2	20	0.9

## HOURLY PRECIPITATION (Water Equivalent) September 2008: Westford

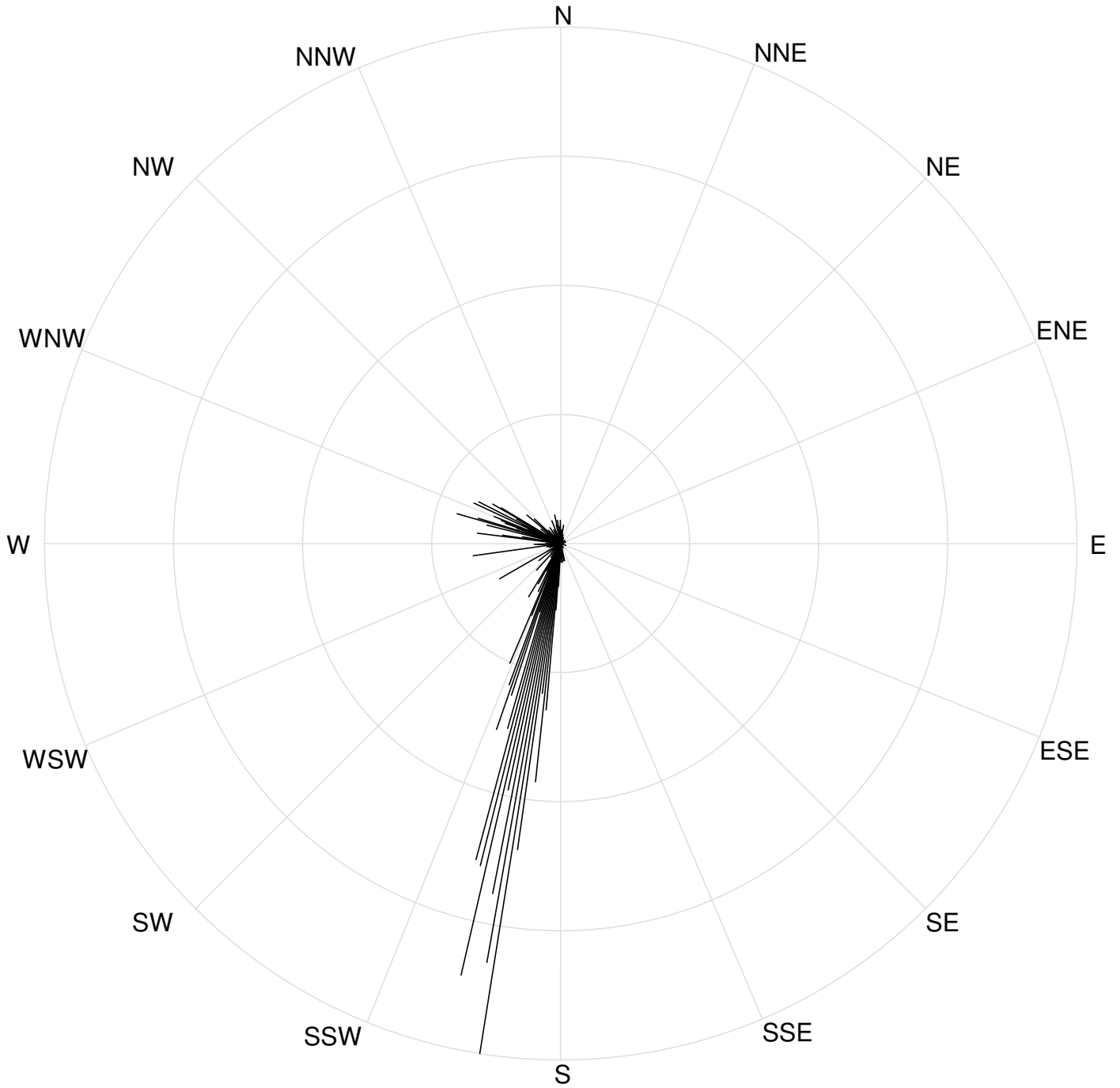
Date	A.M. Hour Ending at												P.M. Hour Ending at												Date	
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12		
01																								01		
02																									02	
03																									03	
04																									04	
05																									05	
06																									06	
07	0.01		0.01		0.01		0.02	0.03								0.03	0.01						0.03	0.01	07	
08																									08	
09					0.02	0.01		0.16		0.10	0.10	0.02	0.30												09	
10																									10	
11																									11	
12												0.02				0.01				0.01			0.03	0.02	12	
13	0.01																								13	
14				0.10	0.01	0.01	0.15	0.07	0.02				0.01												14	
15																									15	
16																									16	
17																									17	
18	0.22	0.03				0.01																			18	
19																									19	
20																									20	
21																									21	
22																									22	
23																									23	
24																									24	
25																									25	
26																0.01	0.01	0.01	0.03	0.03	0.08	0.06	0.04	0.06	0.01	26
27																										27
28										0.01		0.02												0.01		28
29	0.01					0.01	0.01																			29
30																										30
Sum	0.25	0.03	0.01	0.10	0.04	0.04	0.18	0.26	0.02	0.11	0.10	0.06	0.31	0.00	0.04	0.02	0.02	0.03	0.03	0.08	0.07	0.04	0.13	0.04	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 September 2008: Westford



Wind Rose: September 2008  
**Westford**



Maximum direction of wind: 91.6 miles from 189°.  
1338.9 total miles of wind.