

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

August 2013

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 dustsm, hz 8 smk, hz 9 blw snw	Snow Cvr	Precip		Pressure Adj. to Sea Level			Wind						Solar Radiation		
	Maximum	Minimum	Average	Mean	Dew Point		Mean	Heating Base 65°F			Cooling Base 65°F	Water Equivalent	Ice Pellets Snow	Maximum	Minimum	Mean	Avg	Res	Res	Peak			Minute	
																				Speed	Dir		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	78.0	59.1	68.5	66.0	60	81	0	4	.....	0	0.82	0.0	29.96	29.73	29.816	0.8	0.8	212	21	S	7	222	136
2	77.5	55.7	66.6	66.1	59	79	0	2	.23.....	0	0.19	0.0	29.77	29.71	29.740	1.0	0.9	256	22	WSW	9	285	245	
3	72.5	55.5	64.0	62.6	57	82	0	0	..3.....	0	0.55	0.0	29.79	29.66	29.737	0.8	0.7	266	17	SW	8	311	152	
4	70.0	54.4	62.2	60.1	55	83	3	0	..3.....	0	0.23	0.0	29.89	29.75	29.799	1.2	1.1	289	16	NNW	8	302	194	
5	70.0	45.6	57.8*	58.2	48	70	7	0	.....	0	0.00	0.0	30.00	29.88	29.954	0.9	0.9	305	15	NW	7	302	287
6	75.4	46.7	61.1	60.5	50	72	4	0	.....	0	0.00	0.0	30.08	29.98	30.041	0.4	0.4	227	10	W	5	280	244
7	79.2	49.7	64.4	65.7	57	74	0	0	.....	0	0.13	0.0	30.08	29.90	30.010	1.3	1.3	213	18	WSW	9	212	236
8	81.8	66.5	74.2*	71.5	64	78	0	10	.....	0	T	0.0	29.93	29.84	29.890	2.2	2.2	214	21	SSW	10	216	150
9	76.5	64.7	70.6	68.9	65	89	0	6	..3.....	0	0.21	0.0	29.88	29.67	29.765	0.4	0.4	234	10	W	6	299	79	
10	71.9	53.4	62.7	64.2	54	70	2	0	.....	0	0.00	0.0	29.96	29.73	29.862	1.6	1.5	292	19	NW	8	309	285
11	75.9	51.3	63.6	63.1	53	71	1	0	.....	0	0.00	0.0	30.03	29.92	29.977	0.4	0.3	258	10	WSW	6	302	236
12	75.7	53.9	64.8	64.8	55	71	0	0	.....	0	0.00	0.0	29.96	29.83	29.902	0.4	0.4	242	13	W	7	265	223
13	72.1	53.9	63.0	62.1	58	85	2	0	.....	0	0.13	0.0	29.84	29.61	29.695	1.0	1.0	218	14	SW	8	223	115
14	67.5	53.0	60.3	58.8	52	78	4	0	.....	0	0.23	0.0	29.91	29.63	29.734	1.3	1.2	283	14	NW	8	300	143
15	72.6	48.7	60.6	60.6	49	68	4	0	.....	0	0.01	0.0	30.04	29.90	29.972	1.2	1.1	241	15	SSW	7	243	254
16	75.0	52.0	63.5	62.1	53	72	1	0	.....	0	0.20	0.0	30.18	30.02	30.077	0.6	0.5	241	12	SSW	7	280	199
17	74.9	48.1	61.5	60.3	52	76	3	0	.2.....	0	0.00	0.0	30.27	30.17	30.230	0.1	0.1	338	9	WNW	5	309	261	
18	76.1	47.6	61.8	61.6	53	76	3	0	.....	0	0.01	0.0	30.24	30.03	30.155	0.4	0.4	216	9	S	4	223	198
19	80.1	55.4	67.8	66.6	57	73	0	3	.....	0	0.01	0.0	30.04	29.92	29.965	1.2	1.0	251	13	SW	7	291	229
20	82.3	59.0	70.7	69.7	59	70	0	6	.....	0	0.00	0.0	30.04	29.94	29.992	0.9	0.8	236	12	SW	6	220	221
21	84.0	57.8	70.9	70.9	61	71	0	6	.....	0	0.00	0.0	30.08	29.91	30.012	1.0	0.9	223	12	SW	7	215	222
22	82.6	63.1	72.8	68.5	61	76	0	8	.....	0	0.42	0.0	29.95	29.76	29.840	1.4	1.2	228	22	W	9	301	164
23	70.2	47.3	58.7	60.4	52	75	6	0	.....	0	0.02	0.0	30.15	29.83	29.990	0.4	0.4	353	15	NNW	5	298	249
24	75.3	43.8*	59.6	58.4	48	71	5	0	.....	0	0.00	0.0	30.31	30.15	30.251	0.0	0.0	0	0	N	0	360	253
25	76.1	45.1	60.6	61.1	51	72	4	0	.....	0	0.00	0.0	30.33	30.06	30.223	0.1	0.1	228	13	SSW	5	214	232
26	72.9	59.0	66.0	63.8	57	80	0	1	.....	0	0.22	0.0	30.08	29.82	29.914	0.5	0.5	216	12	SW	5	227	54
27	79.9	62.6	71.3	69.5	63	79	0	7	.....	0	0.00	0.0	29.87	29.79	29.836	0.1	0.1	304	7	NW	4	304	130
28	83.6	59.8	71.7	69.6	62	77	0	7	.....	0	0.00	0.0	29.90	29.80	29.840	0.1	0.0	317	8	W	4	294	178
29	78.7	59.0	68.8	66.8	59	75	0	4	.2.....	0	0.00	0.0	30.00	29.89	29.944	0.1	0.1	256	10	SSW	5	295	150	
30	82.2	58.4	70.3	69.8	61	72	0	5	.2.....	0	0.01	0.0	29.95	29.69	29.815	0.3	0.3	224	12	S	4	216	193	
31	75.5	63.0	69.3	67.7	57	69	0	5	.....	0	0.03	0.0	29.75	29.69	29.714	0.2	0.2	217	14	SW	8	221	86
Sum	Sum	-----	-----	---	----		Ttl	Ttl					For the month:						---					
2366	1693						49	74	Number of Days	3.42	0.0	30.33	29.61	29.926	0.7	0.6	246	22	WSW	10	216			
Avg	Avg	Avg	Mean	Avg	Avg	----	----		Precip	Season Ttl	Date	Date	-----	----	----	----	Date	Date	Avg					
76.3	54.6	65.5	64.5	56	75.4	----	----		≥.01 inch	17	32.09	0.0	25	13	-----	----	----	----	2+	8	193			
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			71	358	Thunder	4	Precipitation		Snow, Ice Plts												
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----			Heavy Fog	4	0.82	1	0.0	-	0		-								
0	0	0	0	----	----			Clear	4	Partly Cloudy		17	Cloudy		10									

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: Solar Radiation 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
August 2013: 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
AUG 01									AUG 02									AUG 03									
01	0	29.92	0.00	60	56	85	23	0	1	0	29.75	0.00	62	60	94	21	1	6	0	29.74	0.00	57	55	95	19	0	0
04	0	29.89	0.00	62	56	80	20	0	0	0	29.73	0.00	61	59	95	20	0	0	0	29.72	0.45	57	56	95	22	0	0
07	83	29.88	0.00	65	58	78	18	0	2	47	29.75	0.00	61	60	96	21	0	7	32	29.73	0.00	58	56	95	20	0	5
10	297	29.83	0.00	71	62	73	10	0	7	97	29.76	0.00	69	62	80	29	3	13	162	29.73	0.00	65	58	95	28	1	6
13	220	29.77	0.00	75	62	65	21	0	6	867	29.74	0.00	74	58	57	28	9	15	294	29.72	0.00	66	58	75	26	1	8
16	42	29.76	0.05	66	62	67	27	1	8	684	29.72	0.00	76	58	53	25	1	7	239	29.73	0.00	69	57	76	26	0	7
19	116	29.74	0.00	64	62	95	20	2	11	130	29.72	0.00	74	58	58	30	0	0	19	29.75	0.00	66	59	77	29	0	0
22	0	29.75	0.00	63	61	93	20	4	16	0	29.75	0.00	58	56	92	13	0	0	0	29.79	0.00	62	55	78	25	0	3
AUG 04									AUG 05									AUG 06									
01	0	29.76	0.00	57	54	90	23	1	5	0	29.89	0.00	56	52	86	30	0	15	0	30.00	0.00	49	46	89	34	0	0
04	0	29.76	0.00	56	54	94	24	0	6	0	29.91	0.00	50	46	85	31	0	1	0	30.01	0.00	47	45	93	26	0	0
07	70	29.78	0.00	57	55	93	24	0	4	25	29.95	0.00	46	44	90	31	0	1	70	30.05	0.00	49	47	94	24	0	0
10	408	29.79	0.05	60	56	87	28	1	9	635	29.98	0.00	60	48	63	31	1	8	619	30.07	0.00	67	53	60	19	1	8
13	148	29.79	0.00	61	57	86	30	1	4	840	29.98	0.00	66	45	47	32	2	10	844	30.06	0.00	73	54	52	23	1	10
16	656	29.78	0.00	70	57	63	28	0	8	624	29.95	0.00	70	50	50	31	2	5	167	30.05	0.00	70	53	55	23	1	6
19	76	29.83	0.00	61	53	76	27	0	9	125	29.96	0.00	67	50	54	30	0	8	118	30.05	0.00	73	53	50	21	0	3
22	0	29.87	0.00	58	52	81	30	0	6	0	29.99	0.00	52	48	84	34	0	0	0	30.05	0.00	57	51	81	19	0	0
AUG 07									AUG 08									AUG 09									
01	0	30.06	0.00	51	49	90	19	0	0	0	29.90	0.00	68	60	74	23	4	16	0	29.84	0.00	68	64	87	20	0	1
04	0	30.07	0.00	50	48	93	19	0	0	0	29.87	0.00	68	61	80	21	3	19	0	29.82	0.00	66	63	90	18	0	7
07	91	30.05	0.00	62	56	80	21	0	3	44	29.89	0.00	67	62	84	22	6	12	33	29.81	0.00	67	65	93	21	0	3
10	494	30.04	0.00	71	60	69	21	2	11	295	29.92	0.00	73	66	80	21	4	9	114	29.79	0.00	69	67	93	21	1	8
13	928	30.00	0.00	77	60	57	21	5	15	306	29.89	0.00	77	68	74	21	0	1	130	29.75	0.00	70	67	90	19	0	6
16	413	29.98	0.00	76	60	57	21	3	9	596	29.88	0.00	80	67	65	21	1	11	142	29.73	0.00	70	66	86	30	0	6
19	76	29.95	0.00	72	59	65	20	0	9	97	29.88	0.00	76	67	74	20	1	6	44	29.70	0.00	71	66	84	23	0	1
22	0	29.95	0.00	63	59	88	20	0	6	0	29.90	0.00	68	62	83	20	0	1	0	29.71	0.00	65	61	88	23	0	0
AUG 10									AUG 11									AUG 12									
01	0	29.73	0.00	67	63	87	30	1	6	0	29.95	0.00	56	50	83	20	0	1	0	29.94	0.00	62	53	74	24	0	1
04	0	29.77	0.00	64	56	76	31	6	14	0	29.98	0.00	54	49	83	22	0	0	0	29.94	0.00	61	52	74	23	0	1
07	46	29.83	0.00	62	55	77	29	5	10	25	30.01	0.00	52	48	87	24	0	4	37	29.94	0.00	55	49	82	20	0	3
10	701	29.86	0.00	64	53	67	28	1	15	657	30.02	0.00	68	56	65	23	0	6	570	29.94	0.00	69	54	60	23	4	8
13	889	29.90	0.00	68	53	58	28	5	9	951	29.99	0.00	71	56	58	28	1	7	98	29.91	0.00	72	58	61	14	0	5
16	603	29.90	0.00	71	54	55	30	2	11	373	29.95	0.00	75	54	47	31	0	5	295	29.87	0.00	74	58	58	21	0	0
19	109	29.92	0.00	67	50	55	30	0	8	70	29.92	0.00	70	58	65	27	0	0	91	29.85	0.00	74	60	63	25	0	0
22	0	29.95	0.00	54	48	79	20	0	0	0	29.95	0.00	57	52	82	27	0	0	0	29.85	0.00	56	52	86	25	0	0
AUG 13									AUG 14									AUG 15									
01	0	29.83	0.00	55	52	90	25	0	0	0	29.64	0.00	59	56	89	32	1	9	0	29.92	0.00	53	47	80	22	0	0
04	0	29.75	0.00	57	54	91	25	0	0	0	29.65	0.00	57	50	77	30	1	8	0	29.93	0.00	52	46	81	26	0	1
07	18	29.72	0.00	58	55	91	25	0	1	26	29.67	0.00	56	49	77	28	2	7	26	29.97	0.00	50	45	83	21	1	7
10	163	29.71	0.00	64	59	84	20	2	9	197	29.68	0.00	59	52	77	24	0	9	578	30.00	0.00	64	53	67	23	3	10
13	536	29.68	0.00	70	63	77	22	4	13	21	29.72	0.18	57	52	83	31	1	7	846	29.99	0.00	69	53	56	25	2	13
16	221	29.63	0.00	66	60	83	23	0	7	204	29.76	0.00	67	55	65	30	4	13	689	29.96	0.00	72	53	53	23	1	8
19	44	29.63	0.00	64	58	82	20	4	11	26	29.83	0.00	59	51	73	28	3	7	81	29.96	0.00	69	51	53	22	1	5
22	0	29.63	0.00	60	56	88	22	0	0	0	29.89	0.00	57	50	76	28	0	9	0	30.02	0.00	60	49	68	25	0	3
AUG 16									AUG 17									AUG 18									
01	0	30.04	0.00	55	48	78	24	0	0	0	30.18	0.00	54	51	89	02	0	0	0	30.23	0.00	49	45	87	04	0	0
04	0	30.03	0.00	52	46	80	20	0	1	0	30.20	0.00	50	47	89	02	0	0	0	30.22	0.00	48	45	88	04	0	0
07	32	30.07	0.00	53	47	79	21	0	5	58	30.25	0.00	51	48	90	02	0	0	56	30.22	0.00	50	47	89	04	0	0
10	563	30.08	0.00	66	55	67	21	4	7	575	30.27	0.00	66	60	81	04	0	0	302	30.23	0.00	63	59	85	21	3	7
13	926	30.08	0.00	72	57	60	27	1	7	795	30.26	0.00	71	56	60	01	0	1	622	30.18	0.00	74	60	62	20	2	6
16	696	30.07	0.00	74	57	55	29	3	6	573	30.23	0.00	74	54	50	04	0	1	438	30.10	0.00	75	58	55	21	0	7
19	33	30.10	0.00	71	60	68	30	0	0	74	30.22	0.00	68	56	66	04	0	0	76	30.05	0.00	72	60	66	22	1	7
22	0	30.15	0.00	56	50	83	02	0	0	0	30.23	0.00	52	46	82	04	0	0	0	30.04	0.00	58	53	82	22	0	3

MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.16	0.19	0.19	0.23	0.32	0.40	0.48	0.59	0.64	0.67	0.73	0.78
Ended: Date	02	02	01	01	01	01	01	01	01	01	01	01
Ended: Time	1944	1946	1633	1634	1635	1645	1705	1723	1737	1746	1734	1746

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

August 2013: Westford

Hour	AUG 19									AUG 20									AUG 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	0	30.03	0.00	57	51	82	21	1	5	0	29.95	0.00	65	56	72	27	0	8	0	30.05	0.00	64	57	80	25	0	0
04	0	30.01	0.00	56	52	85	21	0	3	0	29.95	0.00	59	53	80	21	0	3	0	30.05	0.00	59	53	82	19	0	4
07	35	29.98	0.00	57	52	83	21	2	7	70	29.99	0.00	61	55	80	20	0	4	35	30.07	0.00	62	56	81	20	1	7
10	547	29.98	0.00	71	59	68	27	2	12	524	30.01	0.00	71	61	71	15	0	8	540	30.07	0.00	74	64	71	22	1	10
13	758	29.94	0.00	77	62	59	28	0	10	737	30.01	0.00	78	61	56	18	1	12	738	30.03	0.00	82	66	59	23	1	8
16	536	29.92	0.00	80	63	57	29	2	6	376	29.99	0.00	82	63	52	29	1	7	501	29.98	0.00	84	66	55	24	0	7
19	53	29.93	0.00	74	64	70	32	0	0	47	29.99	0.00	75	65	71	24	0	0	54	29.94	0.00	77	66	69	22	0	0
22	0	29.94	0.00	60	54	80	32	0	0	0	30.02	0.00	66	59	79	24	0	0	0	29.93	0.00	69	61	76	20	3	7
AUG 22									AUG 23									AUG 24									
01	0	29.94	0.00	65	58	80	21	0	1	0	29.84	0.00	61	56	84	31	3	9	0	30.16	0.00	47	42	85	00	0	0
04	0	29.90	0.00	65	58	80	21	3	7	0	29.86	0.00	58	53	85	02	0	1	0	30.20	0.00	44	40	86	36	0	0
07	40	29.87	0.00	64	57	80	21	1	6	58	29.93	0.00	55	51	86	06	0	6	19	30.25	0.00	45	41	87	00	0	0
10	397	29.86	0.00	73	63	73	20	3	8	568	30.00	0.00	64	54	70	35	3	13	584	30.30	0.00	66	58	76	36	0	0
13	343	29.82	0.00	81	66	61	24	2	11	849	30.02	0.00	68	53	60	01	2	6	717	30.28	0.00	71	50	46	29	0	0
16	47	29.79	0.12	64	57	80	31	0	0	643	30.04	0.00	70	54	56	31	0	5	559	30.26	0.00	75	48	39	03	0	0
19	9	29.78	0.00	65	59	82	30	0	0	53	30.07	0.00	65	54	68	36	0	0	49	30.25	0.00	67	54	63	04	0	0
22	0	29.79	0.00	64	59	84	25	0	5	0	30.12	0.00	50	44	81	00	0	0	0	30.30	0.00	52	46	79	04	0	0
AUG 25									AUG 26									AUG 27									
01	0	30.28	0.00	48	43	82	04	0	0	0	30.07	0.00	62	55	76	28	0	3	0	29.83	0.00	66	61	84	22	0	1
04	0	30.29	0.00	46	42	85	04	0	0	0	29.98	0.00	59	54	83	21	3	10	0	29.82	0.00	66	60	83	22	0	0
07	26	30.31	0.00	46	42	86	04	0	0	7	29.96	0.00	59	54	84	21	0	8	14	29.84	0.00	65	60	84	34	0	0
10	538	30.31	0.00	67	57	72	22	0	0	104	29.93	0.00	62	56	80	21	0	9	135	29.86	0.00	67	61	81	30	0	4
13	763	30.26	0.00	74	57	56	13	0	2	462	29.90	0.00	68	60	77	21	1	7	403	29.85	0.00	75	67	77	32	0	1
16	376	30.18	0.00	75	55	51	21	0	5	88	29.86	0.00	68	60	76	22	0	1	561	29.81	0.00	79	68	69	27	0	7
19	30	30.11	0.00	67	57	72	21	0	0	7	29.84	0.00	66	59	78	22	0	0	32	29.82	0.00	73	65	76	02	0	0
22	0	30.08	0.00	61	54	77	21	0	0	0	29.84	0.00	65	59	82	22	0	0	0	29.84	0.00	64	58	80	02	0	0
AUG 28									AUG 29									AUG 30									
01	0	29.84	0.00	62	56	82	02	0	0	0	29.90	0.00	61	54	78	16	0	0	0	29.93	0.00	61	53	75	31	0	0
04	0	29.83	0.00	61	56	83	02	0	0	0	29.90	0.00	60	53	78	16	0	0	0	29.88	0.00	62	54	75	21	0	4
07	32	29.83	0.00	61	56	83	02	0	0	11	29.95	0.00	62	55	78	16	0	0	26	29.89	0.00	62	54	74	20	1	6
10	506	29.85	0.00	70	64	82	02	0	1	315	29.99	0.00	67	58	75	19	0	1	621	29.87	0.00	68	58	71	22	1	7
13	271	29.84	0.00	78	69	75	30	0	5	316	29.98	0.00	72	64	76	26	0	3	670	29.80	0.00	80	69	69	24	1	5
16	483	29.81	0.00	82	71	69	31	0	1	506	29.95	0.00	79	69	71	29	0	6	207	29.75	0.00	80	69	70	25	0	1
19	56	29.84	0.00	75	67	76	01	0	1	32	29.95	0.00	73	64	75	31	0	1	28	29.72	0.00	75	66	74	25	0	0
22	0	29.89	0.00	65	57	76	02	0	0	0	29.95	0.00	61	52	73	31	0	0	0	29.72	0.00	72	63	75	22	1	5
AUG 31																											
01	0	29.69	0.00	64	54	69	27	0	0																		
04	0	29.70	0.00	65	55	70	26	0	1																		
07	35	29.72	0.00	65	55	70	20	0	4																		
10	517	29.72	0.00	74	65	73	24	0	8																		
13	120	29.72	0.00	71	61	71	21	0	0																		
16	44	29.69	0.00	71	60	68	21	0	1																		
19	28	29.71	0.00	69	57	66	21	0	0																		
22	0	29.73	0.00	66	55	66	21	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

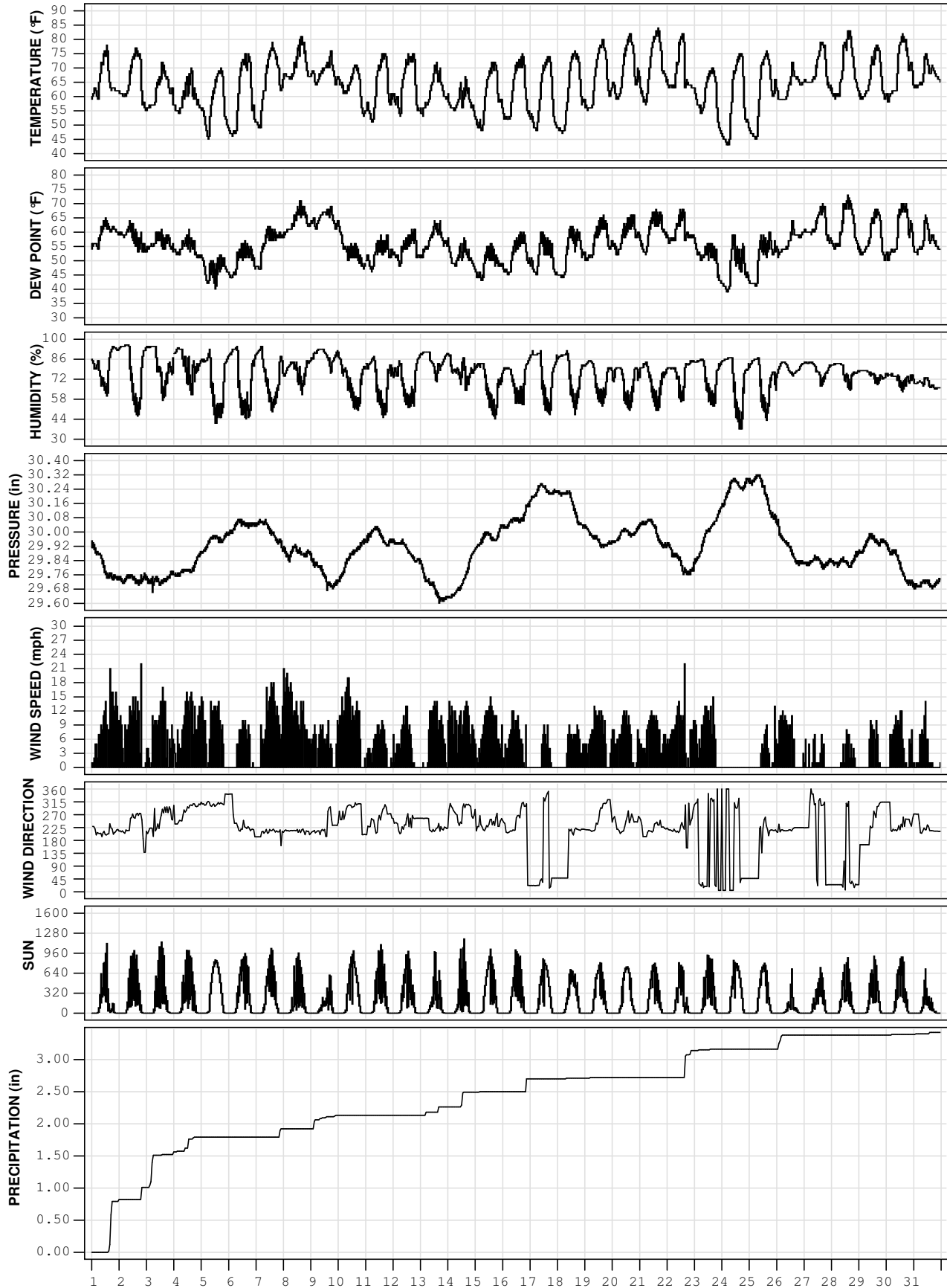
Hour	Averages						Resultant Wind	
	Sunshine	Pressure	Temperature	Dew Point	Humidity	Wind Speed	Direction	Speed
01	0	29.930	59	53	83	0.4	26	0.3
04	0	29.923	57	52	84	0.5	25	0.4
07	40	29.940	58	53	84	0.6	24	0.5
10	430	29.949	67	58	74	1.3	23	1.0
13	562	29.931	72	59	65	1.4	26	1.0
16	406	29.906	74	59	62	0.7	28	0.5
19	61	29.903	70	59	70	0.4	24	0.3
22	0	29.924	60	54	81	0.2	21	0.2

**HOURLY PRECIPITATION (Water Equivalent)
August 2013: Westford**

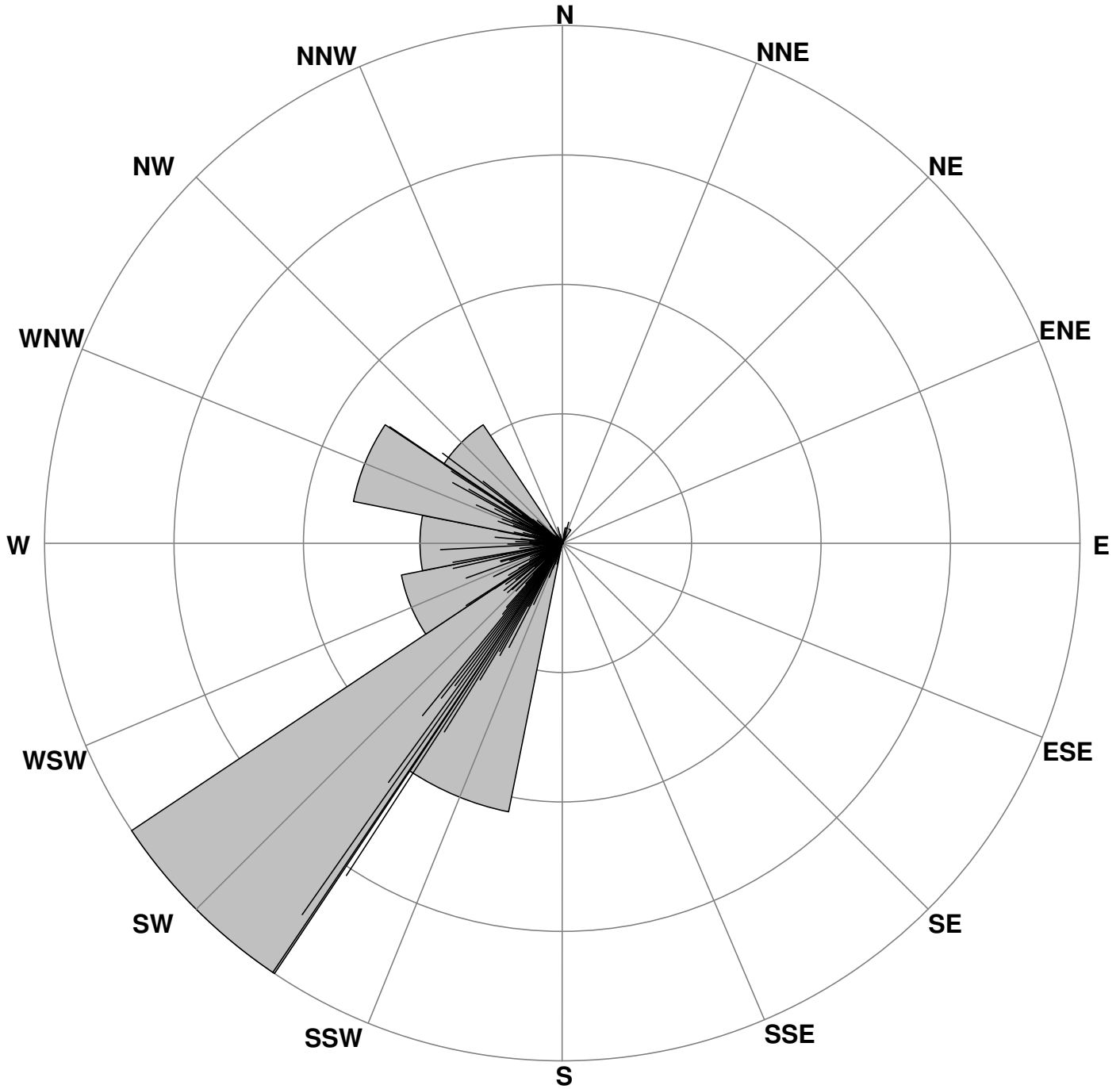
Date	A.M. Hour Ending at												P.M. Hour Ending at												Date	
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12		
01															0.02	0.10	0.46	0.21						0.03	01	
02																				0.19						02
03			0.03	0.06	0.30	0.11								0.01										0.04	03	
04			0.01							0.05				0.14												04
05																	0.02	0.01								05
06																										06
07																										07
08																					0.11	0.02				08
09			0.12	0.02				0.02		0.01				0.01	0.01						0.01	0.01				09
10																										10
11																										11
12																										12
13					0.05											0.08										13
14												0.03	0.19	0.01												14
15				0.01																						15
16																										16
17																										17
18								0.01																		18
19					0.01																					19
20																										20
21																										21
22																0.33	0.02			0.01	0.06					22
23				0.01										0.01												23
24																										24
25																										25
26		0.09	0.04	0.07	0.02																					26
27																										27
28																										28
29																										29
30					0.01																					30
31		0.01												0.02												31
Sum	0.00	0.10	0.20	0.17	0.39	0.11	0.00	0.03	0.00	0.06	0.00	0.03	0.34	0.06	0.02	0.51	0.50	0.22	0.00	0.20	0.38	0.03	0.00	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 August 2013: Westford



**Wind Rose: August 2013
Westford**



**Maximum direction of wind: 35.1 miles from 214°
Maximum sector of wind: 187.1 miles from SW
534.5 total miles of wind**