

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### August 2015

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 duststm 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 Speed	Res Speed	Res Dir	Peak		2 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	78.5	56.5	67.5	66.5	60	81	0	3	..3.....	0	0.46	0.0	29.77	29.63	29.679	1.1	1.0	268	19	WNW	10	246	225	
2	80.2	52.7	66.4	66.7	59	78	0	2	.....	0	0.00	0.0	29.81	29.67	29.759	0.7	0.7	216	23	SSW	8	218	250	
3	81.8	63.1	72.5	72.1	63	74	0	8	..3.....	0	0.00	0.0	29.71	29.61	29.644	2.7	2.4	228	25	SSW	12	218	200	
4	76.8	57.6	67.2	65.8	60	83	0	3	.....	0	0.00	0.0	29.80	29.70	29.749	1.3	1.2	249	16	S	8	283	156	
5	72.8	57.1	65.0	63.7	58	82	0	0	.....	0	0.08	0.0	29.84	29.76	29.796	1.6	1.5	277	20	WNW	10	232	191	
6	72.5	56.2	64.4	62.4	57	82	0	0	.....	0	0.00	0.0	29.90	29.83	29.861	0.8	0.8	299	15	WNW	9	300	162	
7	72.5	51.5	62.0	60.4	55	83	2	0	.....	0	0.00	0.0	29.96	29.89	29.934	0.1	0.0	333	10	NNE	5	288	197	
8	69.9	47.3*	58.6*	58.9	55	88	6	0	.....	0	0.00	0.0	30.02	29.95	29.996	0.0	0.0	323	8	NW	2	313	143	
9	79.8	53.3	66.6	65.3	59	83	0	2	.....	0	0.00	0.0	30.03	29.95	29.992	0.1	0.1	293	10	WNW	6	298	246	
10	82.0	55.9	69.0	68.3	62	82	0	4	.....	0	0.00	0.0	29.96	29.81	29.889	1.3	1.3	216	18	SSW	9	215	206	
11	71.4	60.0	65.7	65.3	63	92	0	1	..3.....	0	0.84	0.0	29.83	29.62	29.701	1.0	1.0	206	22	S	9	221	64	
12	74.6	58.7	66.6	65.0	62	90	0	2	.....	0	0.03	0.0	29.86	29.67	29.752	1.6	1.5	288	16	W	10	297	140	
13	74.8	56.9	65.9	63.2	58	85	0	1	.....	0	0.00	0.0	30.02	29.86	29.940	0.6	0.6	275	14	SW	7	287	180	
14	79.8	54.5	67.2	66.4	62	88	0	3	..3.....	0	0.32	0.0	30.02	29.96	29.997	1.2	1.2	212	21	SSW	9	219	201	
15	80.9	63.6	72.3	70.2	67	90	0	8	..3.....	0	0.00	0.0	30.06	29.99	30.020	0.2	0.2	223	10	SSW	5	220	134	
16	84.8	61.4	73.1	71.7	67	85	0	8	.....	0	0.01	0.0	30.07	29.97	30.027	0.1	0.1	244	9	SW	5	293	228	
17	87.5	63.1	75.3	73.8	68	83	0	11	.....	0	0.00	0.0	30.00	29.90	29.962	0.4	0.4	221	12	SSW	7	222	242	
18	90.6*	63.5	77.0*	74.0	67	82	0	13	..3.....	0	0.00	0.0	29.96	29.86	29.920	0.2	0.2	217	10	SSW	5	216	221	
19	87.1	66.5	76.8	75.1	68	80	0	12	.....	0	0.00	0.0	29.95	29.89	29.918	1.1	1.1	218	16	SW	8	212	234	
20	85.5	67.6	76.5	75.9	67	74	0	12	.....	0	0.00	0.0	29.94	29.82	29.888	1.9	1.9	192	23	SW	10	207	226	
21	80.0	60.8	70.4	68.5	63	83	0	6	.....	0	0.52	0.0	30.03	29.84	29.947	1.0	0.8	247	16	WNW	10	299	214	
22	79.1	56.3	67.7	65.8	59	81	0	3	.....	0	0.00	0.0	30.11	30.03	30.074	0.1	0.1	298	9	NNW	6	293	240	
23	83.7	53.4	68.5	67.3	61	82	0	4	.....	0	0.00	0.0	30.07	29.87	29.976	0.1	0.1	289	12	S	6	275	218	
24	82.2	60.0	71.1	70.4	64	81	0	6	.....	0	0.00	0.0	29.87	29.73	29.802	1.4	1.3	221	24	WSW	12	223	232	
25	78.2	57.1	67.6	66.9	62	84	0	3	.....	0	0.00	0.0	29.87	29.75	29.804	0.3	0.3	302	12	WNW	7	309	155	
26	74.0	55.3	64.6	63.9	58	81	0	0	.....	0	0.00	0.0	29.93	29.86	29.888	0.3	0.3	292	13	W	7	294	189	
27	70.7	54.6	62.6	60.8	56	86	2	0	.....	0	0.02	0.0	30.05	29.90	29.967	0.7	0.7	295	12	NW	8	304	130	
28	75.4	51.6	63.5	61.9	56	84	1	0	.....	0	0.00	0.0	30.14	30.05	30.098	0.1	0.1	293	9	WNW	3	305	208	
29	76.0	49.8	62.9	62.4	58	86	2	0	.....	0	0.00	0.0	30.14	30.00	30.079	0.1	0.1	219	10	S	5	225	173	
30	79.7	58.1	68.9	67.0	62	85	0	4	.....	0	0.00	0.0	30.03	29.93	29.983	0.1	0.1	259	9	SSW	5	293	186	
31	79.6	59.2	69.4	67.2	63	87	0	5	.....	0	0.00	0.0	29.94	29.85	29.892	1.1	0.9	267	18	W	9	263	142	
<b>Sum</b>	<b>Sum</b>	-----	-----	---	----		<b>Ttl</b>	<b>Ttl</b>			<b>Total</b>	<b>Total</b>	<b>For the month:</b>					---						
2442	1783						13	124	<b>Number of Days</b>		2.28	0.0	30.14	29.61	29.901	0.7	0.6	243	25	SSW	12	218		
<b>Avg</b>	<b>Avg</b>	<b>Avg</b>	<b>Mean</b>	<b>Avg</b>	<b>Avg</b>		----	----	<b>Precip</b>		<b>Season Ttl</b>	<b>Date</b>	<b>Date</b>	-----	----	---		<b>Date</b>	<b>Date</b>	<b>Avg</b>				
78.8	57.5	68.2	66.9	61	83.4		----	----	≥.01 inch	8	27.44	0.0	28	3	-----	----	---	3	3	191				
<b>Number of Days</b>							<b>Season to Date</b>	<b>Snow, Ice ≥1.0 inch</b>	0	<b>Greatest in 24 Hours and Dates</b>					<b>Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date</b>									
<b>Max Temperature</b>			<b>Min Temperature</b>			49	322	<b>Thunder</b>	6	<b>Precipitation</b>		<b>Snow, Ice Plts</b>												
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----			<b>Heavy Fog</b>	0	0.84	11	0.0	-	0			-							
1	0	0	0	----	----			<b>Clear</b>	3	<b>Partly Cloudy</b>		24	<b>Cloudy</b>		3									

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/m^2 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 2015: 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	29.68	0.00	65	58	77	20	1	8	0	29.75	0.00	57	56	97	21	0	5	0	29.67	0.00	66	58	75	22	0	7
04	0	29.63	0.00	60	57	90	22	0	1	0	29.75	0.00	54	53	97	21	0	0	0	29.64	0.00	67	59	75	22	1	12
07	40	29.65	0.00	62	60	93	20	0	0	32	29.79	0.00	55	54	97	20	1	6	46	29.63	0.00	69	60	75	21	4	12
10	322	29.67	0.00	70	63	78	21	2	11	592	29.80	0.00	72	64	77	21	0	7	615	29.63	0.00	77	65	68	21	7	23
13	865	29.68	0.00	69	62	79	25	2	11	863	29.79	0.00	75	64	69	18	0	10	190	29.65	0.00	75	67	75	22	0	6
16	780	29.67	0.00	77	62	60	30	1	6	193	29.77	0.00	78	63	59	21	0	9	392	29.63	0.00	78	66	67	29	0	3
19	21	29.68	0.00	69	63	81	31	0	0	98	29.73	0.00	75	62	64	20	3	9	86	29.63	0.00	76	67	74	31	0	6
22	0	29.76	0.00	58	57	96	06	0	0	0	29.72	0.00	68	59	73	21	0	7	0	29.69	0.00	66	61	86	28	0	0
AUG 04									AUG 05									AUG 06									
01	0	29.71	0.00	66	62	87	28	2	8	0	29.81	0.00	60	58	93	24	0	0	0	29.83	0.00	58	55	90	24	0	5
04	0	29.72	0.00	61	59	95	21	0	2	0	29.79	0.00	58	57	96	23	0	5	0	29.84	0.00	58	55	90	23	0	4
07	32	29.74	0.00	62	61	96	20	0	0	25	29.80	0.00	58	57	96	24	0	5	44	29.86	0.00	58	55	91	25	1	7
10	355	29.75	0.00	70	62	77	27	6	15	770	29.80	0.00	67	62	85	21	0	2	156	29.88	0.00	63	57	82	29	0	7
13	220	29.76	0.00	68	62	81	22	1	8	951	29.77	0.00	72	57	59	25	7	16	316	29.87	0.00	69	57	66	28	5	13
16	262	29.75	0.00	72	62	69	26	3	11	174	29.77	0.00	69	56	63	29	5	14	178	29.85	0.00	69	60	72	33	0	9
19	14	29.76	0.00	67	58	72	24	2	7	32	29.79	0.00	66	56	70	29	0	5	62	29.86	0.00	66	57	75	29	1	7
22	0	29.80	0.00	58	55	90	25	0	0	0	29.83	0.00	62	56	81	24	0	11	0	29.89	0.00	59	57	93	30	0	0
AUG 07									AUG 08									AUG 09									
01	0	29.89	0.00	58	55	92	30	0	0	0	29.95	0.00	51	49	96	12	0	0	0	30.02	0.00	54	53	97	01	0	0
04	0	29.90	0.00	52	51	96	30	0	0	0	29.97	0.00	49	48	97	12	0	0	0	30.01	0.00	54	53	97	01	0	0
07	32	29.93	0.00	54	53	98	30	0	0	32	30.00	0.00	49	48	98	12	0	0	37	30.02	0.00	55	54	98	01	0	0
10	146	29.95	0.00	65	57	75	28	0	9	675	30.00	0.00	69	60	73	12	0	0	589	30.03	0.00	72	63	73	08	0	1
13	411	29.95	0.00	69	56	64	34	0	1										828	29.99	0.00	75	65	72	29	0	10
16	155	29.93	0.00	69	58	68	06	0	10	255	30.00	0.00	69	60	74	31	0	1	601	29.97	0.00	77	63	61	28	0	10
19	33	29.93	0.00	66	55	68	02	0	6	65	30.01	0.00	66	60	83	01	0	0	40	29.96	0.00	74	63	69	03	0	0
22	0	29.96	0.00	53	51	95	02	0	0	0	30.02	0.00	56	55	95	01	0	0	0	29.96	0.00	60	58	94	04	0	0
AUG 10									AUG 11									AUG 12									
01	0	29.95	0.00	57	56	97	05	0	0	0	29.82	0.00	68	61	77	13	0	11	0	29.68	0.00	64	63	98	31	0	0
04	0	29.94	0.00	56	56	98	05	0	0	0	29.77	0.00	64	60	86	20	2	12	0	29.69	0.00	63	62	98	28	0	0
07	23	29.94	0.00	59	59	98	21	2	6	18	29.73	0.00	61	60	96	19	0	0	12	29.72	0.00	62	62	98	26	3	9
10	469	29.93	0.00	72	64	76	19	2	13	56	29.70	0.07	61	59	95	19	2	10	269	29.75	0.00	67	64	92	27	2	9
13	816	29.89	0.00	79	68	69	23	1	13	271	29.67	0.00	66	65	97	23	0	7	367	29.75	0.00	69	64	86	28	3	7
16	113	29.84	0.00	77	66	70	21	2	8	125	29.64	0.00	69	67	91	18	0	1	67	29.76	0.00	70	64	82	32	1	8
19	12	29.82	0.00	71	66	83	22	0	0	26	29.63	0.00	69	67	95	17	0	0	54	29.80	0.00	65	60	83	30	0	11
22	0	29.83	0.00	71	62	72	20	3	15	0	29.66	0.05	66	66	97	17	0	1	0	29.85	0.00	62	58	88	31	0	0
AUG 13									AUG 14									AUG 15									
01	0	29.86	0.00	58	57	95	28	0	0	0	30.02	0.00	57	56	97	22	0	2	0	30.00	0.00	66	65	97	21	0	1
04	0	29.88	0.00	58	57	97	23	0	0	0	30.00	0.00	55	54	97	22	0	1	0	30.00	0.00	66	65	96	21	0	1
07	47	29.92	0.00	59	57	94	30	0	7	30	30.01	0.00	57	54	90	18	1	11	67	30.03	0.00	66	64	95	21	0	0
10	345	29.96	0.00	64	58	82	26	0	11	371	30.00	0.00	72	62	71	20	2	15	346	30.04	0.00	73	68	84	20	2	7
13	867	29.97	0.00	69	61	74	21	0	9	912	29.99	0.00	79	66	65	21	7	13	626	30.03	0.00	78	69	75	25	0	1
16	654	29.95	0.00	74	60	62	26	1	9	290	29.97	0.00	73	71	94	17	0	1	84	30.00	0.00	74	69	85	30	0	1
19	40	29.95	0.00	67	61	81	25	0	0	53	29.97	0.00	72	70	93	21	0	5	100	30.01	0.00	72	68	88	19	0	1
22	0	29.99	0.00	58	56	95	23	0	1	0	30.00	0.00	67	66	97	21	0	0	0	30.04	0.00	65	64	96	21	0	2
AUG 16									AUG 17									AUG 18									
01	0	30.04	0.00	66	66	98	21	0	0	0	29.99	0.00	65	64	97	21	0	0	0	29.94	0.00	65	64	96	20	0	0
04	0	30.05	0.00	64	63	98	21	0	1	0	29.98	0.00	64	63	98	21	0	0	0	29.94	0.00	64	63	97	20	0	0
07	40	30.05	0.00	65	64	98	21	0	1	60	30.00	0.00	65	65	98	21	1	6	47	29.95	0.00	66	65	98	20	0	6
10	251	30.07	0.00	71	68	92	21	0	0	522	30.00	0.00	77	70	80	20	1	10	536	29.95	0.00	80	70	74	20	3	8
13	779	30.06	0.00	80	68	67	26	2	8	759	29.96	0.00	84	72	67	20	0	6	793	29.92	0.00	84	72	67	22	0	1
16	554	30.00	0.00	84	69	61	22	0	0	575	29.93	0.00	87	73	62	21	1	8	533	29.88	0.00	89	68	50	27	0	1
19	51	29.97	0.00	79	69	72	21	0	1	39	29.91	0.00	79	72	79	20	0	0	23	29.87	0.00	75	68	78	20	0	0
22	0	29.98	0.00	67	65	95	21	0	1	0	29.93	0.00	69	68	95	20	0	0	0	29.91	0.00	70	68	92	20	0	0

### MAXIMUM SHORT DURATION PRECIPITATION

<b>Time Period (minutes)</b>	5	10	15	20	30	45	60	80	100	120	150	180
<b>Precipitation</b>	0.21	0.33	0.39	0.41	0.42	0.44	0.44	0.44	0.44	0.44	0.44	0.45
<b>Ended: Date</b>	14	01	01	01	01	01	01	01	01	01	01	21
<b>Ended: Time</b>	1530	1940	1946	1947	1947	1947	1947	1947	1947	1947	1947	0608

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 2015: 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						
AUG 19									AUG 20									AUG 21									
01	0	29.91	0.00	67	66	95	20	0	0	0	29.93	0.00	72	67	85	20	5	14	0	29.85	0.00	73	65	77	16	0	7
04	0	29.91	0.00	68	66	94	19	0	5	0	29.92	0.00	71	66	84	19	1	9	0	29.90	0.16	63	62	95	30	0	8
07	30	29.93	0.00	69	65	89	21	1	7	32	29.92	0.00	70	65	84	24	0	9	11	29.94	0.00	61	60	97	26	0	0
10	527	29.95	0.00	79	71	76	23	2	11	171	29.93	0.00	77	67	73	18	4	13	230	29.96	0.00	65	64	97	22	0	9
13	731	29.92	0.00	85	71	64	23	6	12	181	29.90	0.00	82	69	66	17	2	16	791	29.96	0.00	75	66	73	18	0	1
16	538	29.90	0.00	87	69	56	23	1	9	543	29.83	0.00	85	70	61	17	2	11	213	29.95	0.00	78	64	63	19	0	5
19	58	29.89	0.00	81	69	67	22	0	6	77	29.84	0.00	79	67	68	16	1	14	18	29.97	0.00	70	64	81	02	1	8
22	0	29.92	0.00	68	66	95	21	0	0	0	29.85	0.00	74	66	75	16	1	12	0	30.02	0.00	65	60	86	04	0	0
AUG 22									AUG 23									AUG 24									
01	0	30.04	0.00	58	56	95	04	0	0	0	30.06	0.00	57	56	97	06	0	0	0	29.86	0.00	64	63	96	30	0	0
04	0	30.07	0.00	57	56	96	04	0	0	0	30.04	0.00	56	56	97	06	0	0	0	29.84	0.00	60	59	97	30	0	0
07	54	30.09	0.00	57	56	97	04	0	0	49	30.06	0.00	56	55	98	06	0	0	49	29.85	0.00	63	62	98	30	0	0
10	615	30.11	0.00	68	62	83	03	0	0	299	30.03	0.00	70	63	78	07	0	1	547	29.82	0.00	75	68	79	21	5	11
13	824	30.09	0.00	75	62	64	28	5	9	974	29.97	0.00	76	65	68	09	0	0	745	29.77	0.00	79	67	65	20	5	13
16	589	30.07	0.00	78	60	55	01	0	1	563	29.93	0.00	81	67	63	30	1	12	533	29.74	0.00	82	63	53	22	5	14
19	60	30.06	0.00	71	61	72	03	0	0	37	29.89	0.00	76	66	72	30	0	0	11	29.74	0.00	71	63	76	18	0	0
22	0	30.06	0.00	58	57	96	03	0	0	0	29.89	0.00	63	61	93	30	0	0	0	29.80	0.00	69	65	88	30	1	10
AUG 25									AUG 26									AUG 27									
01	0	29.82	0.00	64	60	89	11	0	0	0	29.86	0.00	61	59	94	08	0	0	0	29.92	0.00	60	56	87	24	0	0
04	0	29.80	0.00	57	56	94	11	0	0	0	29.87	0.00	57	54	90	31	0	0	0	29.91	0.00	56	55	96	28	0	0
07	26	29.80	0.00	59	58	96	11	0	0	56	29.89	0.00	56	55	96	31	0	0	26	29.94	0.00	57	56	97	19	1	5
10	225	29.81	0.00	70	63	80	29	1	5	334	29.91	0.00	67	59	76	29	0	0	116	29.97	0.05	59	57	93	31	2	8
13	403	29.80	0.00	72	64	76	30	0	6	874	29.89	0.00	72	58	62	29	3	9	327	29.97	0.00	67	55	67	30	7	11
16	506	29.77	0.00	77	65	68	26	0	8	323	29.87	0.00	72	58	61	29	0	1	148	29.97	0.00	68	57	70	33	0	8
19	60	29.77	0.00	71	66	83	29	1	6	25	29.88	0.00	65	60	85	30	0	0	16	29.99	0.00	65	59	81	28	0	0
22	0	29.85	0.00	61	57	88	08	0	0	0	29.92	0.00	60	56	86	25	0	4	0	30.05	0.00	55	53	95	28	0	0
AUG 28									AUG 29									AUG 30									
01	0	30.07	0.00	58	56	92	31	1	7	0	30.11	0.00	54	53	97	21	0	0	0	30.01	0.00	60	59	96	20	0	0
04	0	30.08	0.00	54	53	96	29	0	0	0	30.11	0.00	51	50	97	22	0	0	0	29.99	0.00	59	58	96	20	0	0
07	30	30.11	0.00	53	53	98	29	0	0	53	30.14	0.00	52	52	98	22	0	0	14	30.02	0.00	59	58	98	20	0	0
10	554	30.14	0.00	65	59	79	29	0	0	411	30.13	0.00	66	61	84	21	0	5	506	30.03	0.00	70	63	78	27	0	0
13	269	30.12	0.00	71	59	67	30	1	7	724	30.08	0.00	72	62	71	18	0	7	784	30.00	0.00	76	63	65	18	0	8
16	128	30.08	0.00	74	60	62	29	0	1	244	30.04	0.00	74	61	64	23	0	0	153	29.96	0.00	76	64	66	27	0	4
19	28	30.07	0.00	67	62	82	21	0	0	19	30.01	0.00	67	62	85	20	0	0	14	29.93	0.00	70	66	86	24	0	0
22	0	30.12	0.00	55	54	96	21	0	0	0	30.03	0.00	63	61	93	20	0	0	0	29.94	0.00	64	62	95	24	0	0
AUG 31																											
01	0	29.93	0.00	61	60	97	24	0	0																		
04	0	29.90	0.00	61	60	96	21	0	6																		
07	37	29.89	0.00	62	60	93	21	4	10																		
10	190	29.89	0.00	70	65	85	23	0	8																		
13	241	29.87	0.00	75	65	71	29	8	15																		
16	258	29.86	0.00	75	67	76	31	3	10																		
19	23	29.89	0.00	69	64	85	30	0	4																		
22	0	29.93	0.00	62	61	96	27	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

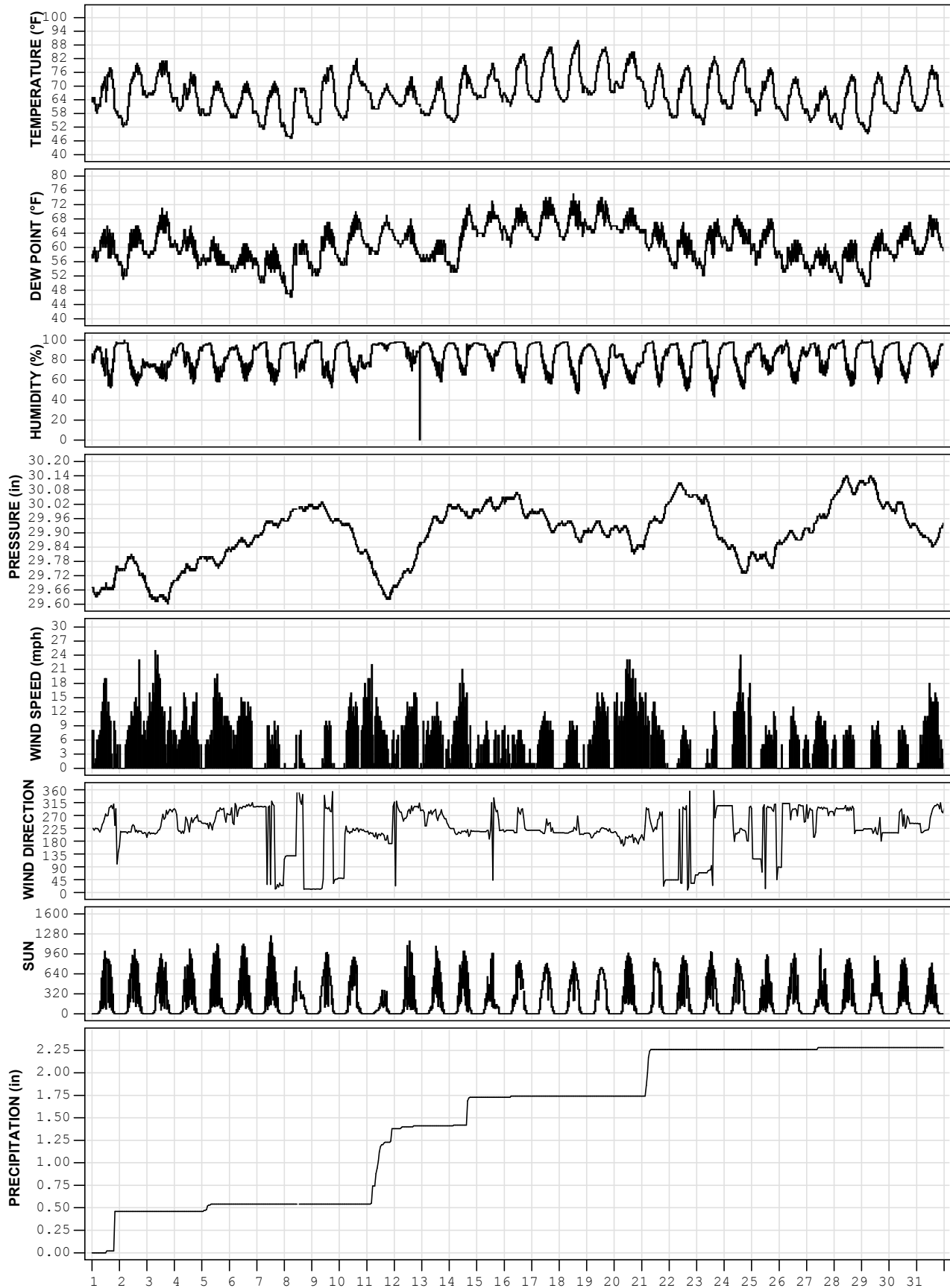
Hour	Averages						Resultant Wind	
	Sunshine	Pressure	Temperature	Dew Point	Humidity	Wind Speed	Direction	Speed
01	0	29.903	62	59	92	0.3	23	0.2
04	0	29.898	59	57	94	0.1	22	0.1
07	36	29.914	60	58	95	0.6	22	0.6
10	391	29.922	70	63	80	1.4	22	1.1
13	623	29.901	74	64	70	2.2	26	1.7
16	346	29.880	76	64	67	0.8	26	0.6
19	42	29.877	71	64	78	0.3	24	0.1
22	0	29.909	63	60	91	0.1	21	0.1

## HOURLY PRECIPITATION (Water Equivalent) August 2015: Westford

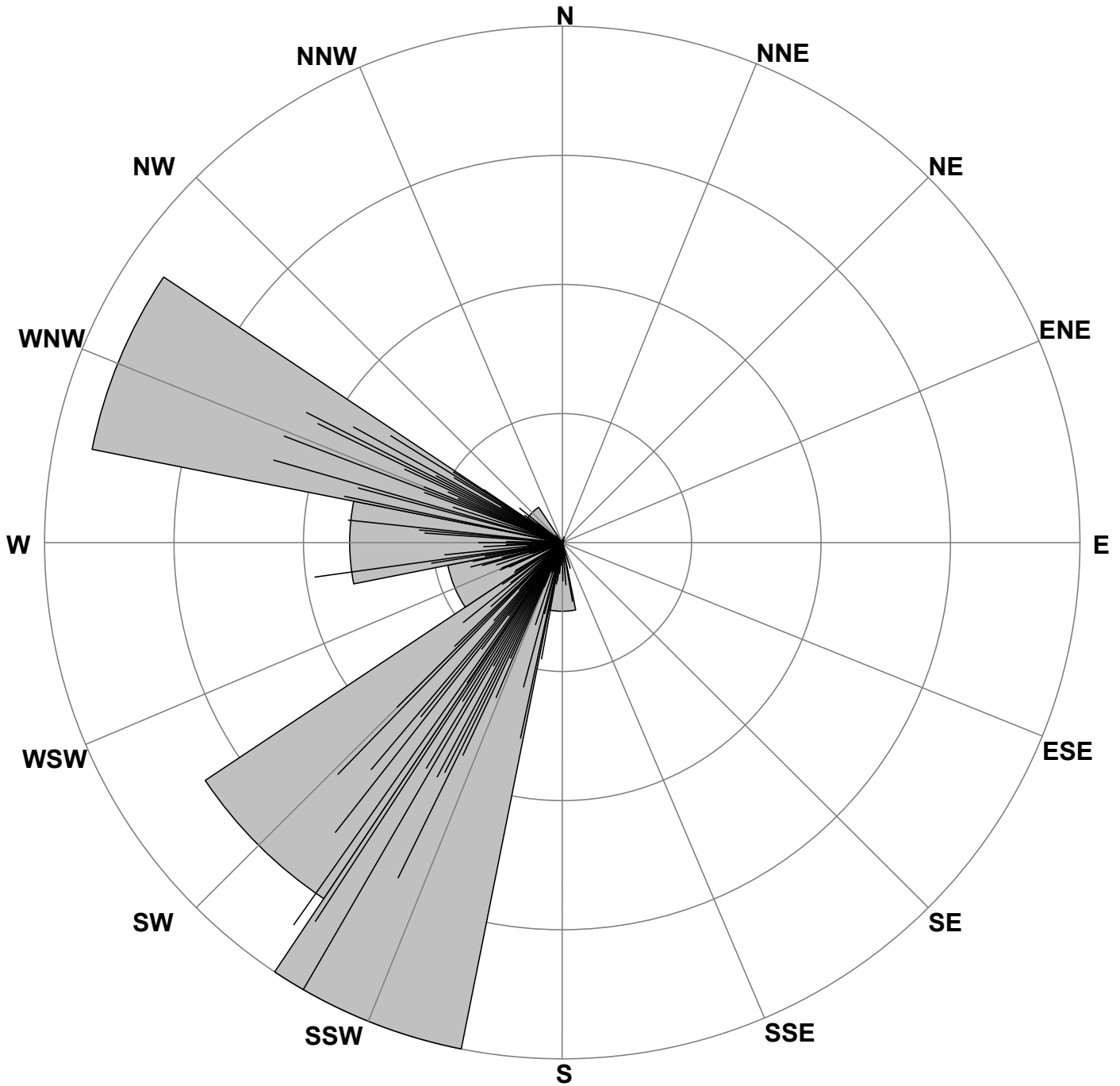
Date	A.M. Hour Ending at												P.M. Hour Ending at												Date
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	
01													0.02							0.44					01
02																									02
03																									03
04																									04
05		0.01		0.01	0.04	0.01		0.01																	05
06																									06
07																									07
08																									08
09																									09
10																									10
11				0.01	0.19			0.14	0.06	0.08	0.10	0.06	0.02		0.02	0.01					0.01	0.14			11
12						0.01	0.01									0.01									12
13																									13
14				0.01												0.27	0.03	0.01							14
15																									15
16						0.01																			16
17																									17
18																									18
19																									19
20																									20
21				0.12	0.14	0.17	0.07	0.02																	21
22																									22
23																									23
24																									24
25																									25
26																									26
27									0.02																27
28																									28
29																									29
30																									30
31																									31
<b>Sum</b>	0.00	0.01	0.00	0.15	0.37	0.20	0.08	0.17	0.06	0.10	0.10	0.06	0.04	0.00	0.02	0.28	0.04	0.01	0.00	0.44	0.01	0.14	0.00	0.00	<b>Sum</b>

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 2015: Westford



**Wind Rose: August 2015  
Westford**



**Maximum direction of wind: 21.6 miles from 210°  
Maximum sector of wind: 152.9 miles from SSW  
553.9 total miles of wind**