

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### May 2014

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
1	2	3	4A	4B	5	6	7	8	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
1	66.8	41.4	54.1	51.2	46	83	11	0	.....	0	0.27	0.0	29.98	29.61	29.722	4.4	3.7	210	20	S	12	189	169	
2	57.9	43.6	50.8	49.8	39	66	14	0	.....	0	0.05	0.0	29.74	29.60	29.644	3.1	3.0	254	26	WSW	15	279	142	
3	61.5	43.3	52.4	49.8	43	79	12	0	...5....	0	0.06	0.0	29.77	29.61	29.708	3.0	2.9	215	18	SW	12	224	153	
4	50.4	43.5	47.0	45.8	43	89	18	0	.....	0	0.64	0.0	29.66	29.48	29.535	2.8	2.5	281	21	SSW	13	214	120	
5	46.5	40.6	43.5*	43.4	41	92	21	0	.....	0	0.16	0.0	29.88	29.65	29.809	1.9	1.8	321	19	WNW	11	306	85	
6	55.9	36.1	46.0	46.4	34	64	19	0	.....	0	0.00	0.0	30.05	29.84	29.918	1.5	1.5	323	22	NW	15	302	283	
7	60.9	34.8*	47.9	47.5	32	58	17	0	.....	0	0.00	0.0	30.23	30.04	30.149	0.7	0.6	325	16	NNE	8	298	306	
8	66.2	35.5	50.8	52.4	31	48	14	0	.....	0	0.00	0.0	30.17	30.08	30.125	0.4	0.4	355	15	NNE	8	326	268	
9	67.9	47.8	57.9	56.8	43	61	7	0	.....	0	0.00	0.0	30.11	29.85	30.000	3.2	3.2	193	26	SW	14	213	139	
10	76.5	58.0	67.3	65.3	52	67	0	3	.....	0	0.77	0.0	29.86	29.64	29.711	6.5	5.7	233	29	SSE	16	261	218	
11	71.1	50.5	60.8	59.7	40	49	4	0	.....	0	0.00	0.0	29.95	29.75	29.871	3.6	3.4	277	22	WNW	12	281	295	
12	72.9	50.6	61.8	61.7	41	47	3	0	.....	0	0.00	0.0	30.06	29.94	30.015	1.0	0.7	282	14	WNW	9	303	269	
13	66.7	48.8	57.7	56.3	45	67	7	0	.....	0	0.01	0.0	30.17	30.05	30.118	0.4	0.3	190	15	SSE	7	220	110	
14	79.2	54.9	67.0	63.9	52	67	0	2	.....	0	0.02	0.0	30.14	30.03	30.075	3.4	3.4	203	26	SSE	13	214	187	
15	80.0*	61.6	70.8*	69.9	61	73	0	6	.....	0	T	0.0	30.09	29.96	30.027	5.6	5.6	209	31	S	15	214	232	
16	72.7	64.6	68.6	68.5	60	75	0	4	.....	0	0.02	0.0	29.96	29.72	29.840	3.8	3.8	181	32	SSE	14	177	96	
17	67.5	44.7	56.1	52.6	45	79	8	0	.....	0	1.37	0.0	30.08	29.72	29.888	1.0	0.9	272	21	WNW	14	299	234	
18	62.3	38.2	50.3	50.4	35	57	15	0	.....	0	0.00	0.0	30.16	30.08	30.117	0.7	0.7	311	21	WNW	13	305	314	
19	65.7	40.8	53.2	53.9	38	57	11	0	.....	0	0.00	0.0	30.12	30.01	30.069	0.9	0.9	321	21	WNW	11	306	287	
20	71.2	42.6	56.9	57.3	41	58	8	0	.....	0	0.00	0.0	30.08	29.94	30.010	0.6	0.6	344	20	N	7	316	319	
21	75.8	41.8	58.8	59.7	43	58	6	0	.....	0	0.00	0.0	29.96	29.80	29.892	0.1	0.1	311	14	NW	7	296	301	
22	64.3	52.2	58.3	56.1	52	87	7	0	...3....	0	0.67	0.0	29.81	29.76	29.778	0.1	0.0	309	13	WSW	5	271	69	
23	58.6	51.5	55.0	55.1	54	97	9	0	.....	0	0.62	0.0	29.93	29.78	29.842	0.0	0.0	296	7	WNW	4	302	68	
24	70.9	49.9	60.4	58.6	53	82	4	0	...3....	0	0.00	0.0	30.01	29.92	29.967	0.4	0.4	323	13	NNW	7	293	272	
25	78.1	45.6	61.8	62.3	51	70	3	0	.....	0	0.00	0.0	30.02	29.87	29.958	0.2	0.2	251	14	NW	6	288	307	
26	73.3	55.4	64.4	61.9	56	83	1	0	.....	0	0.16	0.0	29.87	29.73	29.790	1.7	1.7	228	18	SW	9	249	145	
27	73.5	53.5	63.5	61.1	58	90	1	0	.2.....	0	0.09	0.0	29.81	29.69	29.745	0.4	0.2	307	14	WNW	7	309	176	
28	54.9	42.7	48.8	50.9	49	93	16	0	.....	0	0.02	0.0	30.16	29.79	29.989	0.0	0.0	46	8	SE	4	30	74	
29	69.6	36.8	53.2	54.5	45	73	11	0	.....	0	0.01	0.0	30.20	30.03	30.124	0.3	0.3	228	14	W	5	259	308	
30	69.1	45.5	57.3	55.8	50	81	7	0	...3....	0	0.02	0.0	30.08	29.98	30.024	0.3	0.2	340	22	N	12	19	177	
31	67.9	42.8	55.4	54.7	49	83	9	0	.....	0	0.00	0.0	30.26	30.06	30.191	0.5	0.4	360	16	NNE	7	305	225	
<b>Sum</b>	<b>Sum</b>	-----	-----	---	----		<b>Ttl</b>	<b>Ttl</b>	<b>Number of Days</b>				<b>For the month:</b>										---	
	2076	1440					263	15			4.96	0.0	30.26	29.48	29.924	1.7	1.1	238	32	SSE	16	261		
<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>				
	67.0	46.4	56.7	55.9	46	72.1	----	----	≥.01 inch	17	17.52	94.0	31	4	-----	----	----	----	16	10	204			
<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>			8249	15	<b>Thunder</b>	3	<b>Precipitation</b>		<b>Snow, Ice Plts</b>												
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----			<b>Heavy Fog</b>	1	1.39	16-17	0.0	-	0					-					
0	0	0	0	----	----			<b>Clear</b>	5	<b>Partly Cloudy</b>		12	<b>Cloudy</b>		14									

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<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

## May 2014: 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								
MAY 01										MAY 02										MAY 03									
01	0	29.94	0.00	42	38	86	17	8	18	0	29.66	0.00	47	38	70	25	6	13	0	29.73	0.00	47	38	69	22	0	4		
04	0	29.82	0.00	43	38	83	18	8	20	0	29.63	0.00	46	39	75	23	0	4	0	29.74	0.00	45	41	86	21	0	6		
07	14	29.77	0.04	43	41	95	19	2	6	79	29.61	0.00	47	39	75	22	4	9	62	29.76	0.00	45	43	93	20	4	12		
10	343	29.72	0.00	49	46	90	20	8	15	163	29.61	0.00	50	39	67	24	3	12	276	29.76	0.00	51	45	82	21	3	12		
13	905	29.66	0.00	62	54	75	19	4	13	334	29.62	0.00	50	43	79	21	5	10	817	29.71	0.00	59	44	58	19	7	15		
16	105	29.61	0.00	64	53	69	21	4	9	186	29.61	0.00	56	39	53	26	6	12	185	29.67	0.00	52	43	72	22	5	10		
19	14	29.64	0.00	56	51	82	25	7	14	37	29.67	0.00	52	36	54	26	3	14	47	29.67	0.00	51	45	78	24	0	0		
22	0	29.68	0.00	50	44	79	22	0	6	0	29.73	0.00	49	35	59	24	1	5	0	29.65	0.00	47	45	92	09	0	0		
MAY 04										MAY 05										MAY 06									
01	0	29.59	0.00	46	44	94	22	0	2	0	29.67	0.00	45	45	97	31	2	12	0	29.86	0.00	44	40	84	26	0	0		
04	0	29.52	0.00	47	45	92	22	8	13	0	29.72	0.00	44	43	97	35	3	10	0	29.84	0.00	39	37	92	29	0	0		
07	23	29.52	0.09	45	44	96	18	2	10	35	29.79	0.00	41	40	94	31	8	15	141	29.89	0.00	41	36	82	33	2	7		
10	267	29.50	0.00	46	40	78	28	7	14	163	29.84	0.00	41	40	96	32	6	14	587	29.91	0.00	47	35	63	29	4	11		
13	540	29.48	0.00	49	38	66	27	7	16	230	29.87	0.00	42	40	96	31	0	0	872	29.91	0.00	53	33	47	32	4	14		
16	134	29.50	0.00	45	43	93	31	0	6	221	29.85	0.00	45	42	88	30	0	1	636	29.92	0.00	54	30	40	31	6	18		
19	7	29.54	0.00	44	43	96	25	0	9	21	29.86	0.00	45	41	84	30	0	0	107	29.96	0.00	53	29	40	31	1	8		
22	0	29.62	0.00	46	45	97	30	5	11	0	29.86	0.00	44	40	87	25	0	3	0	30.03	0.00	45	29	54	27	0	4		
MAY 07										MAY 08										MAY 09									
01	0	30.07	0.00	42	32	69	02	0	0	0	30.14	0.00	40	31	69	05	0	0	0	30.10	0.00	50	32	50	07	0	0		
04	0	30.11	0.00	37	32	82	06	0	0	0	30.14	0.00	36	29	75	05	0	0	0	30.09	0.00	50	37	62	19	0	0		
07	49	30.16	0.00	37	32	83	01	0	0	44	30.15	0.00	38	30	71	05	0	0	9	30.08	0.00	50	37	60	19	0	3		
10	668	30.21	0.00	48	33	58	26	1	11	680	30.16	0.00	59	30	33	05	0	5	185	30.06	0.00	56	41	57	18	5	12		
13	882	30.19	0.00	55	34	45	34	2	12	759	30.12	0.00	65	36	35	35	2	13	287	30.02	0.00	60	45	58	19	7	14		
16	596	30.15	0.00	59	34	39	35	0	13	441	30.08	0.00	66	31	27	34	1	10	295	29.93	0.00	67	48	50	18	5	14		
19	113	30.13	0.00	58	31	35	04	0	5	95	30.09	0.00	59	29	32	04	0	10	46	29.90	0.00	59	50	70	17	7	19		
22	0	30.15	0.00	45	32	59	05	0	0	0	30.13	0.00	52	31	44	03	0	0	0	29.87	0.00	60	54	81	18	9	20		
MAY 10										MAY 11										MAY 12									
01	0	29.83	0.00	61	56	83	20	10	20	0	29.77	0.00	56	41	57	26	4	9	0	29.95	0.00	56	36	47	22	3	9		
04	0	29.75	0.11	59	57	93	19	10	17	0	29.78	0.00	53	40	61	25	1	8	0	29.98	0.00	55	37	50	23	0	8		
07	11	29.74	0.05	60	58	96	20	7	18	86	29.85	0.00	51	40	66	25	5	11	42	30.02	0.00	54	40	59	29	0	0		
10	612	29.71	0.00	64	62	91	21	10	17	185	29.91	0.00	56	43	60	29	5	17	670	30.02	0.00	65	42	44	29	2	8		
13	278	29.67	0.00	73	60	64	22	8	17	870	29.90	0.00	63	40	43	31	4	13	1004	30.02	0.00	71	44	37	01	2	8		
16	680	29.64	0.00	76	47	37	27	11	22	636	29.89	0.00	70	38	31	26	6	15	214	30.01	0.00	69	45	42	00	0	4		
19	86	29.66	0.00	68	42	38	27	8	17	42	29.90	0.00	66	39	37	26	1	14	56	30.04	0.00	65	42	42	05	0	8		
22	0	29.73	0.00	61	36	39	27	4	18	0	29.95	0.00	60	39	45	24	4	11	0	30.05	0.00	59	44	58	03	0	0		
MAY 13										MAY 14										MAY 15									
01	0	30.06	0.00	57	39	61	05	0	3	0	30.08	0.00	56	46	69	19	5	14	0	30.07	0.00	64	52	66	21	0	5		
04	0	30.08	0.00	53	40	61	02	0	1	0	30.06	0.00	56	45	65	19	5	15	0	30.07	0.00	63	55	75	19	5	23		
07	25	30.13	0.00	49	45	84	02	0	0	88	30.09	0.00	55	44	67	20	8	25	90	30.08	0.00	65	59	82	21	5	14		
10	237	30.15	0.00	55	47	74	22	0	4	717	30.11	0.00	64	53	67	18	0	12	679	30.05	0.00	72	64	75	21	10	18		
13	193	30.16	0.00	59	47	65	25	0	1	318	30.10	0.00	71	56	59	22	5	11	429	30.02	0.00	76	65	70	21	8	19		
16	671	30.13	0.00	65	48	54	17	1	9	578	30.03	0.00	79	59	51	21	1	15	717	29.98	0.00	78	64	61	22	5	19		
19	53	30.11	0.00	61	48	61	16	0	3	26	30.06	0.00	66	62	86	29	0	0	76	29.98	0.00	72	62	72	21	8	20		
22	0	30.11	0.00	56	48	73	14	0	1	0	30.07	0.00	66	55	67	19	0	6	0	29.99	0.00	68	62	82	20	0	10		
MAY 16										MAY 17										MAY 18									
01	0	29.96	0.00	69	61	76	18	0	8	0	29.77	0.00	53	51	94	02	1	10	0	30.09	0.00	43	35	72	29	0	0		
04	0	29.90	0.00	67	61	79	14	1	12	0	29.78	0.08	48	47	97	02	0	0	0	30.11	0.00	41	36	81	28	0	0		
07	44	29.88	0.00	69	60	74	16	4	14	33	29.79	0.00	46	45	97	29	0	7	47	30.15	0.00	41	37	83	23	0	0		
10	160	29.86	0.00	70	58	66	15	7	24	241	29.88	0.00	48	45	90	24	2	9	698	30.16	0.00	54	36	51	32	0	6		
13	67	29.84	0.00	69	59	69	18	4	17	967	29.90	0.00	57	48	72	26	3	10	896	30.13	0.00	60	34	38	01	2	9		
16	229	29.80	0.00	70	62	75	17	4	15	183	29.92	0.00	61	41	49	28	1	8	661	30.08	0.00	62	34	35	03	1	13		
19	23	29.78	0.00	67	61	81	17	2	18	88	29.97	0.00	57	46	67	05	0	7	63	30.10	0.00	57	34	43	33	0	3		
22	0	29.75	0.00	67	61	80	17	3	14	0	30.05	0.00	49	40	69	02	0	0	0	30.11	0.00	46	34	63	32	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>	0.14	0.21	0.28	0.35	0.46	0.55	0.59	0.72	0.93	1.01	1.17	1.22
<b>Ended: Date</b>	17	17	17	17	17	17	17	17	17	17	17	17
<b>Ended: Time</b>	0227	0232	0228	0234	0236	0242	0244	0240	0347	0349	0349	0418

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

## May 2014: 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																																																																																																																																																																																																																														
MAY 19										MAY 20										MAY 21																																																																																																																																																																																																																															
01	0	30.10	0.00	44	34	69	28	0	3	0	30.02	0.00	47	38	71	31	0	0	0	29.95	0.00	46	39	78	00	0	0	04	0	30.08	0.00	44	37	78	29	1	4	0	30.04	0.00	49	41	73	01	0	2	0	29.93	0.00	44	39	85	00	0	0	07	105	30.11	0.00	48	38	69	29	0	2	47	30.08	0.00	46	43	88	34	0	0	49	29.95	0.00	45	42	91	27	0	0	10	687	30.11	0.00	56	42	60	29	3	10	691	30.05	0.00	61	46	58	30	0	5	687	29.93	0.00	66	47	51	24	0	0	13	983	30.08	0.00	61	39	43	31	4	13	926	30.02	0.00	66	40	38	32	5	141	090	29.89	0.00	74	45	36	06	0	6	16	652	30.04	0.00	62	39	42	33	1	15	675	29.97	0.00	70	39	32	01	2	12	272	29.85	0.00	73	41	31	32	0	0	19	211	30.03	0.00	64	36	36	01	0	8	139	29.95	0.00	68	37	32	30	1	3	88	29.83	0.00	73	42	33	36	0	0	22	0	30.02	0.00	52	38	60	31	0	0	0	29.96	0.00	50	39	66	00	0	0	0	29.83	0.00	59	46	62	02	0	0																				
MAY 22										MAY 23										MAY 24																																																																																																																																																																																																																															
01	0	29.79	0.00	58	46	64	09	0	2	0	29.79	0.00	53	52	97	10	0	1	0	29.93	0.00	52	52	98	24	0	0	04	0	29.78	0.00	53	50	90	07	0	0	0	29.78	0.00	53	52	97	10	0	0	0	29.93	0.00	51	50	98	24	0	0	07	116	29.77	0.00	56	52	88	25	0	0	49	29.81	0.00	53	53	98	29	0	0	97	29.99	0.00	52	52	99	36	0	0	10	169	29.76	0.00	64	53	68	21	1	5	181	29.84	0.00	57	55	93	01	1	3	779	30.00	0.00	60	57	88	24	0	4	13	109	29.77	0.06	56	54	94	14	0	0	172	29.85	0.06	57	56	97	31	0	0	269	29.98	0.00	65	55	69	07	0	9	16	19	29.77	0.07	57	55	94	04	0	0	65	29.84	0.20	58	56	96	31	0	0	705	29.95	0.00	70	53	54	05	0	4	19	11	29.79	0.11	55	54	96	05	0	0	26	29.88	0.00	57	56	96	24	0	0	28	29.96	0.00	65	52	65	02	0	8	22	0	29.79	0.00	54	53	97	10	0	0	0	29.92	0.00	54	53	98	24	0	0	0	29.99	0.00	55	50	82	31	0	0																				
MAY 25										MAY 26										MAY 27																																																																																																																																																																																																																															
01	0	30.00	0.00	52	51	95	24	0	0	0	29.86	0.00	60	52	77	20	1	5	0	29.75	0.00	58	57	97	13	0	0	04	0	29.99	0.00	46	45	96	24	0	0	0	29.83	0.00	59	53	82	22	1	8	0	29.75	0.00	54	53	98	13	0	0	07	69	30.02	0.00	50	50	98	22	0	0	30	29.83	0.00	57	54	90	21	3	7	125	29.78	0.00	58	58	98	34	0	0	10	686	30.01	0.00	65	55	72	23	0	4	132	29.82	0.00	61	57	85	22	2	8	234	29.78	0.00	63	60	88	25	0	0	13	886	29.97	0.00	73	55	54	32	0	1	591	29.77	0.00	70	59	67	22	4	12	608	29.72	0.00	74	61	65	21	3	9	16	631	29.91	0.00	77	43	30	28	0	1	77	29.74	0.00	67	61	81	25	0	0	571	29.70	0.00	65	60	85	34	0	10	19	93	29.89	0.00	70	52	52	24	1	9	18	29.74	0.00	60	59	95	34	0	0	65	29.71	0.00	65	60	83	05	0	9	22	0	29.89	0.00	65	53	65	26	0	3	0	29.77	0.00	59	58	97	04	0	0	0	29.79	0.00	54	53	97	32	0	3																				
MAY 28										MAY 29										MAY 30																																																																																																																																																																																																																															
01	0	29.80	0.00	52	52	98	19	0	0	0	30.16	0.00	41	41	97	19	0	0	0	30.03	0.00	48	44	87	22	0	0	04	0	29.83	0.00	50	49	97	27	0	0	0	30.17	0.00	39	38	98	19	0	0	0	30.02	0.00	54	50	87	22	0	0	07	30	29.89	0.00	49	49	97	06	0	0	49	30.20	0.00	41	40	98	25	0	0	46	30.03	0.00	51	49	93	03	0	0	10	149	29.97	0.00	50	49	97	30	0	0	675	30.18	0.00	58	47	66	22	0	6	281	30.03	0.00	61	52	72	26	0	1	13	271	30.03	0.00	54	50	86	03	0	0	912	30.14	0.00	64	45	49	14	1	4	624	30.01	0.00	63	55	76	29	1	4	16	229	30.08	0.00	54	50	87	08	0	0	675	30.07	0.00	69	47	45	21	3	14	100	30.00	0.00	65	53	65	08	0	5	19	63	30.10	0.00	54	50	86	12	0	0	77	30.04	0.00	64	47	54	15	0	0	16	30.03	0.00	53	49	85	05	0	4	22	0	30.16	0.00	45	44	96	07	0	0	0	30.05	0.00	57	49	74	22	0	0	0	30.06	0.00	46	45	95	02	0	0																				
MAY 31																																																																																																																																																																																																																																																			
01	0	30.08	0.00	46	45	97	01	0	0																			04	0	30.11	0.00	45	45	98	08	0	0																					07	72	30.18	0.00	49	48	98	02	0	0																						10	297	30.21	0.00	56	50	79	03	2	7																						13	965	30.23	0.00	63	51	67	02	1	10																						16	765	30.21	0.00	65	52	63	02	0	8																						19	109	30.22	0.00	65	53	66	33	1	6																						22	0	30.26	0.00	51	48	90	03	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

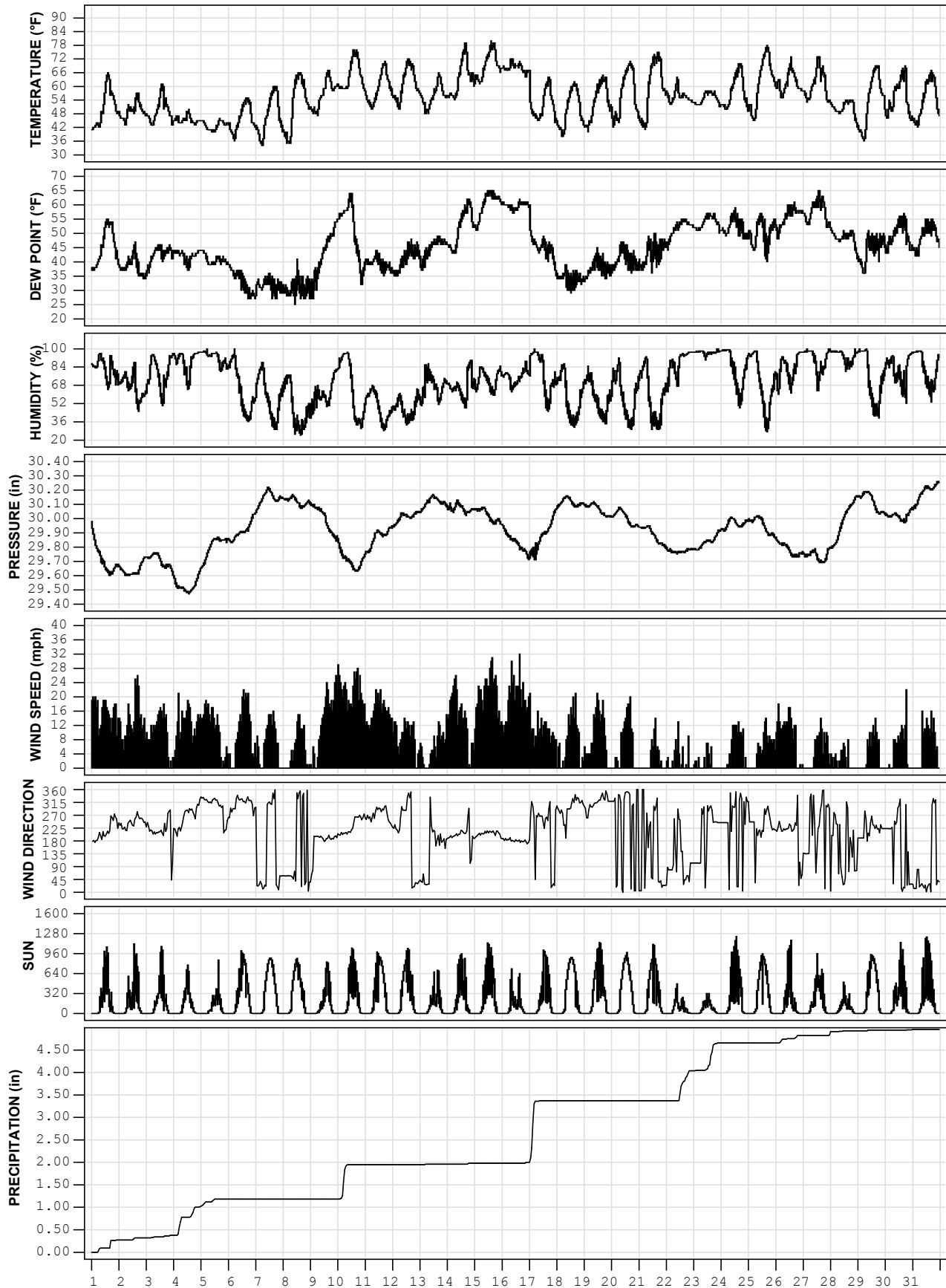
Hour	Averages						Resultant Wind	
	Sunshine	Pressure	Temperature	Dew Point	Humidity	Wind Speed	Direction	Speed
01	0	29.922	51	44	78	1.3	21	1.0
04	0	29.914	49	44	83	1.4	20	1.1
07	58	29.938	49	45	86	1.8	22	1.3
10	425	29.945	57	47	72	2.6	24	1.6
13	615	29.928	62	48	62	3.0	24	1.7
16	413	29.901	64	47	57	2.1	25	1.4
19	63	29.909	60	46	64	1.3	24	0.9
22	0	29.937	54	45	74	0.8	23	0.6

## HOURLY PRECIPITATION (Water Equivalent) May 2014: Westford

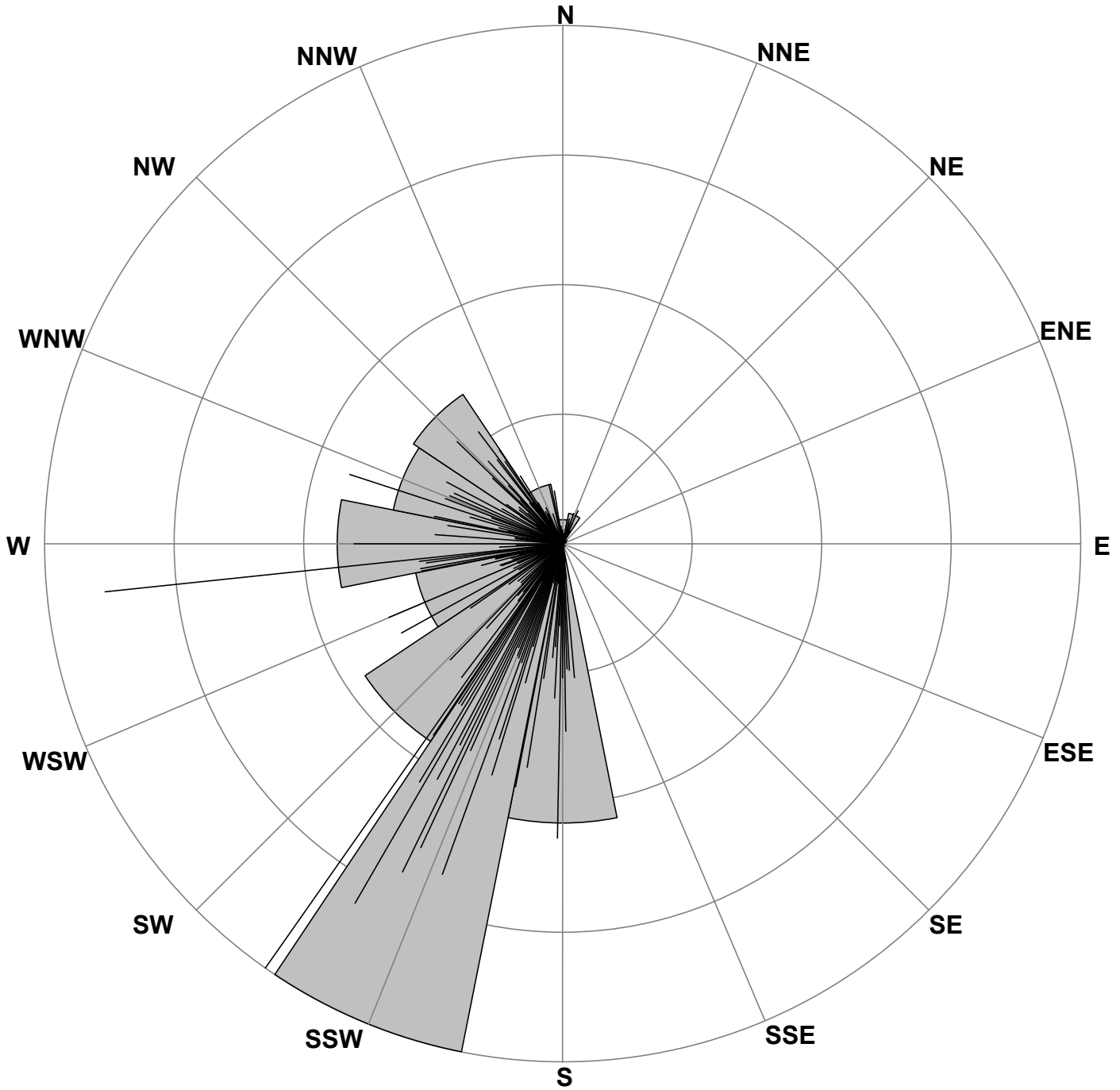
Date	A.M. Hour Ending at												P.M. Hour Ending at												Date
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	
01						0.02	0.06	0.01									0.17					0.01			01
02													0.03	0.02											02
03					0.01		0.01									0.02					0.02				03
04				0.02	0.16	0.12	0.10								0.01	0.05	0.05	0.09	0.02				0.01	0.01	04
05	0.02	0.02	0.03	0.03						0.02	0.02	0.02													05
06																									06
07																									07
08																									08
09																									09
10		0.01	0.01	0.06	0.30	0.28	0.08	0.02	0.01																10
11																									11
12																									12
13					0.01																				13
14																	0.01	0.01							14
15																									15
16																						0.02			16
17	0.11	0.21	0.56	0.42	0.06				0.01																17
18																									18
19																									19
20																									20
21																									21
22											0.01	0.15	0.17	0.06	0.04	0.01	0.07	0.04	0.06	0.06	0.06				22
23		0.01									0.02	0.01	0.07	0.02	0.21	0.08	0.15	0.02	0.01	0.01	0.01	0.01			23
24																									24
25																									25
26				0.02	0.04	0.02				0.01						0.02	0.02	0.03							26
27																									27
28							0.01				0.01											0.01	0.08		28
29								0.01																	29
30																			0.01				0.01		30
31																									31
<b>Sum</b>	0.13	0.25	0.60	0.55	0.58	0.44	0.25	0.04	0.03	0.03	0.06	0.18	0.27	0.10	0.26	0.16	0.46	0.18	0.14	0.07	0.05	0.01	0.02	0.10	<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 May 2014: Westford



**Wind Rose: May 2014  
Westford**



**Maximum direction of wind: 43.4 miles from 215°  
Maximum sector of wind: 347.4 miles from SSW  
1263.6 total miles of wind**