

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### May 2017

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	61.4	42.4	51.9	52.2	49	90	13	0	..3.....	0	0.84	0.0	30.00	29.49	29.768	3.6	3.0	195	27	WSW	12	197	80	
2	56.4	45.6	51.0	52.7	49	89	14	0	.....	0	0.12	0.0	29.56	29.42	29.487	2.5	2.3	235	25	S	12	248	41	
3	49.0	39.7	44.4	43.7	37	78	20	0	.....	0	0.02	0.0	30.13	29.54	29.797	4.3	3.7	270	26	W	13	307	75	
4	62.7	32.9	47.8	49.5	32	56	17	0	.....	0	0.00	0.0	30.24	30.05	30.144	0.8	0.8	228	16	WNW	7	213	228	
5	51.2	42.1	46.6	46.6	43	87	18	0	.....	0	0.36	0.0	30.07	29.54	29.814	2.3	2.3	176	23	S	12	193	58	
6	69.0	49.4	59.2	58.5	51	78	6	0	.....	0	0.08	0.0	29.55	29.24	29.360	2.8	2.8	182	27	SSE	11	201	147	
7	57.6	37.7	47.6	47.8	44	87	17	0	.....	0	0.23	0.0	29.67	29.28	29.463	2.9	2.4	218	23	SSW	12	201	100	
8	43.5	32.4	38.0	36.1	32	87	27	0	.....	0	0.03	T	29.88	29.67	29.762	1.8	1.8	300	15	W	10	296	122	
9	45.4	28.8	37.1*	38.1	33	83	28	0	.....	0	0.04	T	30.02	29.88	29.959	0.3	0.3	338	9	NW	5	311	117	
10	53.0	33.9	43.5	43.8	35	73	21	0	.....	0	0.00	0.0	30.06	29.99	30.026	1.1	1.1	346	18	N	9	306	170	
11	59.9	38.8	49.4	47.5	41	78	15	0	.....	0	0.00	0.0	30.06	29.94	30.004	1.3	1.1	13	18	N	8	288	181	
12	68.8	37.5	53.2	53.4	43	70	11	0	.....	0	0.00	0.0	30.03	29.90	29.970	0.6	0.2	165	11	NNE	8	225	218	
13	61.7	46.7	54.2	53.8	46	74	10	0	.....	0	0.01	0.0	29.91	29.80	29.860	1.1	1.0	219	13	SW	8	215	147	
14	51.7	41.7	46.7	46.1	44	91	18	0	.....	0	0.22	0.0	29.80	29.56	29.661	0.4	0.1	248	12	NNE	5	194	102	
15	64.2	44.0	54.1	53.3	46	79	11	0	.....	0	0.26	0.0	29.80	29.55	29.642	2.6	2.4	341	24	NNW	10	338	147	
16	71.5	46.0	58.8	58.6	47	67	6	0	.....	0	0.00	0.0	29.93	29.79	29.876	0.8	0.8	312	14	NW	9	279	288	
17	87.2	50.6	68.9	70.4	54	58	0	4	.....	0	0.00	0.0	29.89	29.70	29.786	3.3	3.0	231	27	SW	15	213	267	
18	89.6	66.9	78.3*	77.2	61	58	0	14	..3.....	0	0.01	0.0	29.75	29.57	29.674	3.4	3.3	231	21	SW	11	231	250	
19	70.5	44.2	57.4	57.3	49	75	7	0	.....	0	0.00	0.0	30.15	29.62	29.853	2.0	1.8	292	19	WNW	8	294	103	
20	63.0	35.9	49.5	49.0	34	59	15	0	.....	0	0.00	0.0	30.34	30.14	30.296	0.8	0.8	352	15	N	7	305	309	
21	68.4	36.5	52.5	53.5	40	63	12	0	.....	0	0.03	0.0	30.36	30.09	30.256	0.3	0.3	245	11	W	7	296	202	
22	53.1	45.7	49.4	50.1	48	93	15	0	.....	0	0.75	0.0	30.10	29.86	29.968	3.0	3.0	205	30	SSW	11	223	60	
23	69.6	47.0	58.3	57.4	49	76	6	0	.....	0	0.00	0.0	29.91	29.75	29.832	1.6	1.5	249	15	SE	8	257	231	
24	76.7	46.7	61.7	60.7	53	77	3	0	.....	0	0.00	0.0	29.77	29.69	29.729	0.2	0.1	292	9	W	6	289	197	
25	63.8	51.7	57.8	57.2	51	82	7	0	.....	0	0.17	0.0	29.78	29.60	29.711	0.3	0.3	174	14	SSE	8	173	89	
26	56.5	47.5	52.0	51.5	50	95	12	0	.....	0	0.16	0.0	29.77	29.50	29.584	0.3	0.2	12	12	N	5	358	68	
27	69.9	45.8	57.9	56.8	49	78	7	0	.....	0	0.00	0.0	29.87	29.77	29.835	0.4	0.3	307	16	WNW	7	314	288	
28	75.8	47.6	61.7	62.4	53	74	3	0	.....	0	0.00	0.0	29.90	29.80	29.842	0.5	0.4	245	14	WSW	7	204	260	
29	61.1	51.1	56.1	55.5	52	88	9	0	.....	0	0.23	0.0	29.96	29.79	29.869	1.3	1.3	189	15	SW	8	212	82	
30	64.0	50.6	57.3	55.6	53	90	7	0	.....	0	0.31	0.0	30.04	29.93	29.973	3.8	3.8	207	24	SSW	11	209	119	
31	71.7	52.6	62.1	58.6	55	87	2	0	..3.....	0	0.28	0.0	29.95	29.80	29.872	3.0	2.9	212	24	W	15	266	186	
<b>Sum</b>	<b>Sum</b>	-----	-----	---	----		<b>Ttl</b>	<b>Ttl</b>					<b>Total</b>	<b>Total</b>	<b>For the month:</b>					---				
1968	1360						357	18	<b>Number of Days</b>				4.15	T	30.36	29.24	29.828	1.7	1.0	233	30	SSW	15	213
<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>		
63.5	43.9	53.7	53.4	46	78.1		----	----	≥.01 inch	19			17.02	108.4	21	6	-----	----	----	---	22	17	159	
<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>			7163	21	<b>Thunder</b>	3	<b>Precipitation</b>		<b>Snow, Ice Plts</b>												
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----			<b>Heavy Fog</b>	0	0.84	1	T	8+	0		-								
1	0	2	0	----	----			<b>Clear</b>	3	<b>Partly Cloudy</b>		11	<b>Cloudy</b>		17									

**NOTES:**  
 Units: 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

## May 2017: Westford

Hour	MAY 01									MAY 02									MAY 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	
00	0	30.00	0.00	43	37	82	21	3	6	0	29.49	0.00	55	54	96	07	2	7	0	29.55	0.00	46	40	80	22	8	21	
03	0	29.91	0.13	48	44	86	20	6	18	0	29.49	0.00	54	52	94	21	3	8	0	29.54	0.00	43	42	94	21	6	13	
06	0	29.86	0.00	48	46	95	20	7	15	7	29.48	0.00	55	54	95	20	3	7	9	29.62	0.00	44	40	85	23	4	8	
09	42	29.84	0.00	50	49	95	18	7	16	104	29.48	0.00	56	54	92	25	0	0	100	29.69	0.00	45	41	84	24	5	12	
12	107	29.80	0.00	53	52	96	19	1	7	56	29.47	0.00	54	52	91	25	0	0	107	29.79	0.00	43	36	75	31	2	20	
15	218	29.73	0.00	56	54	94	08	1	5	83	29.42	0.00	55	49	79	20	0	0	102	29.91	0.00	43	36	77	29	3	14	
18	90	29.63	0.00	59	54	83	06	0	0	39	29.48	0.08	49	46	88	23	8	13	125	29.96	0.00	48	36	63	33	7	14	
21	0	29.57	0.00	56	51	83	18	4	12	0	29.54	0.00	46	42	84	21	6	12	0	30.03	0.00	41	33	71	33	0	0	
MAY 04									MAY 05									MAY 06										
00	0	30.13	0.00	40	31	69	29	0	0	0	30.07	0.00	46	43	91	20	0	0	0	29.54	0.00	50	46	84	19	3	11	
03	0	30.17	0.00	37	31	78	29	0	0	0	29.98	0.00	45	43	93	20	0	0	0	29.48	0.00	51	48	89	18	4	10	
06	16	30.19	0.00	33	30	88	29	0	0	7	29.94	0.00	43	42	96	20	1	4	11	29.43	0.00	51	50	95	16	0	0	
09	503	30.23	0.00	50	36	59	20	0	0	86	29.91	0.00	45	41	85	18	1	9	44	29.40	0.00	56	54	93	19	3	11	
12	733	30.18	0.00	58	32	37	26	0	7	232	29.84	0.00	49	42	77	14	1	10	541	29.35	0.00	63	57	80	18	8	25	
15	548	30.11	0.00	62	34	34	23	4	8	69	29.77	0.05	45	42	91	15	0	8	234	29.28	0.00	66	57	72	19	6	23	
18	63	30.07	0.00	59	28	31	20	0	1	46	29.67	0.00	49	45	87	16	2	13	88	29.26	0.00	67	52	60	17	3	13	
21	0	30.08	0.00	55	32	41	18	4	10	0	29.60	0.00	50	45	82	20	8	16	0	29.31	0.00	61	48	62	17	0	10	
MAY 07									MAY 08									MAY 09										
00	0	29.29	0.00	57	48	72	22	1	7	0	29.67	0.00	38	36	93	01	0	0	0	29.88	0.00	33	32	96	33	0	0	
03	0	29.28	0.00	51	49	93	20	5	11	0	29.67	0.00	36	34	93	29	5	7	0	29.89	0.00	32	31	96	33	0	0	
06	0	29.32	0.00	50	48	92	20	7	19	16	29.70	0.00	34	31	90	34	0	10	11	29.92	0.00	29	28	96	33	0	0	
09	113	29.41	0.00	47	45	92	23	7	20	285	29.74	0.00	35	31	84	30	5	10	144	29.96	0.00	36	34	95	04	0	0	
12	415	29.47	0.00	52	45	78	19	7	12	378	29.76	0.00	39	29	69	29	7	14	359	29.97	0.00	43	35	74	29	1	8	
15	49	29.51	0.00	52	45	76	19	1	9	211	29.77	0.00	39	32	76	32	2	10	397	29.98	0.00	45	32	62	04	0	6	
18	25	29.58	0.00	46	43	89	29	0	6	190	29.83	0.00	36	34	91	28	0	0	77	29.99	0.00	43	36	76	03	0	7	
21	0	29.65	0.00	40	38	93	04	0	4	0	29.87	0.00	34	32	94	33	0	0	0	30.01	0.00	40	34	81	02	0	0	
MAY 10									MAY 11									MAY 12										
00	0	30.01	0.00	38	34	86	02	0	0	0	30.05	0.00	42	38	86	03	0	0	0	30.00	0.00	43	41	92	30	0	0	
03	0	29.99	0.00	38	34	87	01	0	5	0	30.03	0.00	40	37	90	03	0	0	0	30.00	0.00	39	38	95	30	0	0	
06	14	30.02	0.00	34	31	89	02	0	0	30	30.04	0.00	39	38	94	03	0	0	23	30.01	0.00	39	38	96	30	0	0	
09	517	30.04	0.00	45	35	68	34	2	8	186	30.03	0.00	44	39	84	01	4	11	373	30.03	0.00	54	45	73	21	0	8	
12	329	30.02	0.00	49	37	61	31	1	10	520	30.01	0.00	52	40	64	05	0	0	9	406	30.00	0.00	60	44	56	08	1	10
15	457	30.02	0.00	51	35	53	01	3	8	513	29.96	0.00	58	43	57	01	5	12	847	29.94	0.00	64	44	49	11	0	7	
18	162	30.03	0.00	49	37	63	35	1	6	72	29.97	0.00	54	43	66	30	4	10	306	29.91	0.00	67	45	45	06	0	7	
21	0	30.06	0.00	44	37	77	03	0	0	0	29.98	0.00	45	41	85	30	0	0	0	29.91	0.00	53	43	69	03	0	0	
MAY 13									MAY 14									MAY 15										
00	0	29.90	0.00	51	43	75	16	0	0	0	29.80	0.00	47	43	85	20	1	5	0	29.57	0.00	45	43	96	00	1	12	
03	0	29.90	0.00	47	42	83	19	0	0	0	29.77	0.00	44	41	92	19	1	5	0	29.56	0.00	44	43	96	00	1	13	
06	25	29.90	0.00	48	43	83	19	0	6	9	29.73	0.00	42	40	94	22	0	0	0	29.56	0.00	46	44	96	35	3	13	
10	506	29.90	0.00	58	47	66	21	3	8	211	29.70	0.00	45	43	90	22	0	2	67	29.61	0.00	47	46	96	32	7	24	
12	338	29.88	0.00	60	45	58	16	2	9	364	29.66	0.00	49	45	84	19	1	6	650	29.64	0.00	56	48	73	34	7	23	
15	406	29.83	0.00	61	47	61	29	0	0	118	29.61	0.00	48	45	92	35	0	0	475	29.66	0.00	62	46	56	33	4	14	
18	28	29.80	0.00	58	47	67	22	0	3	104	29.56	0.00	50	46	87	04	0	6	113	29.71	0.00	61	49	65	32	4	11	
21	0	29.82	0.00	50	47	90	21	0	0	0	29.57	0.00	46	45	95	35	1	5	0	29.75	0.00	59	48	67	30	6	15	
MAY 16									MAY 17									MAY 18										
00	0	29.80	0.00	55	45	71	31	3	12	0	29.89	0.00	52	47	83	30	0	0	0	29.75	0.00	74	57	55	22	1	8	
03	0	29.81	0.00	48	44	85	26	0	0	0	29.86	0.00	52	48	87	35	0	0	0	29.73	0.00	70	57	64	20	3	9	
06	25	29.86	0.00	47	44	89	31	0	0	21	29.84	0.00	58	49	72	20	2	11	11	29.74	0.00	67	58	72	20	3	8	
09	563	29.91	0.00	57	48	73	27	0	8	473	29.82	0.00	68	50	53	21	9	18	431	29.73	0.00	76	63	63	21	2	11	
12	828	29.91	0.00	63	49	61	26	0	10	791	29.76	0.00	79	58	48	20	7	13	895	29.68	0.00	85	62	47	25	5	18	
15	714	29.91	0.00	70	49	46	33	3	11	712	29.71	0.00	86	59	40	25	3	14	394	29.63	0.00	88	61	41	28	4	16	
18	309	29.86	0.00	71	46	41	31	0	6	139	29.72	0.00	82	56	40	26	4	12	302	29.58	0.00	82	63	54	23	8	16	
21	0	29.88	0.00	58	48	70	30	0	0	0	29.76	0.00	77	56	49	26	2	15	0	29.61	0.00	77	61	59	22	4	15	

### MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.12	0.18	0.23	0.26	0.28	0.28	0.28	0.28	0.28	0.29	0.30	0.32
Ended: Date	31	31	31	31	31	31	31	31	01	01	01	22
Ended: Time	1506	1509	1514	1518	1523	1523	1523	1523	0427	0438	0454	0326

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 2017: 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									
00	0	29.63	0.00	69	60	73	30	0	0	0	30.15	0.00	44	35	70	04	0	0	0	30.33	0.00	38	33	82	02	0	0		
03	0	29.64	0.00	68	58	70	25	4	11	0	30.20	0.00	41	34	76	00	0	0	0	30.33	0.00	39	35	84	02	0	0		
06	18	29.70	0.00	63	56	76	29	0	9	16	30.28	0.00	36	32	84	04	0	7	25	30.36	0.00	38	34	86	03	0	0		
09	118	29.77	0.00	58	54	88	32	4	13	554	30.34	0.00	48	32	54	05	2	9	241	30.34	0.00	54	41	80	04	0	1		
12	176	29.87	0.00	50	47	92	00	0	10	833	30.34	0.00	55	35	46	32	1	8	487	30.30	0.00	64	38	38	25	3	9		
15	318	29.94	0.00	53	47	78	29	4	13	770	30.33	0.00	61	38	42	31	0	2	519	30.21	0.00	68	38	34	04	0	1		
18	325	29.98	0.00	58	45	63	00	0	9	265	30.32	0.00	62	32	32	30	2	9	62	30.17	0.00	61	45	56	27	0	0		
21	0	30.04	0.00	49	42	76	02	0	0	0	30.33	0.00	44	35	70	02	0	0	0	30.13	0.00	57	46	67	27	0	0		
MAY 22										MAY 23										MAY 24									
00	0	30.10	0.04	52	48	87	21	0	5	0	29.90	0.00	53	52	96	23	3	9	0	29.76	0.00	53	51	92	20	0	0		
03	0	30.05	0.04	51	50	95	18	0	1	0	29.89	0.00	49	46	90	21	0	6	0	29.73	0.00	49	48	96	20	0	0		
06	9	30.03	0.22	46	44	94	21	6	14	40	29.88	0.00	48	45	89	21	0	5	35	29.73	0.00	47	47	97	20	0	0		
09	49	30.02	0.00	47	45	93	18	5	15	438	29.89	0.00	56	48	73	21	0	5	425	29.74	0.00	61	53	75	07	0	0		
12	244	29.97	0.00	52	48	87	20	5	16	578	29.86	0.00	62	47	58	25	2	9	466	29.73	0.00	68	55	63	28	4	7		
15	33	29.92	0.10	50	48	94	20	3	11	367	29.79	0.00	67	52	58	14	5	15	861	29.70	0.00	75	53	46	26	0	0		
18	32	29.88	0.00	52	51	94	20	4	13	93	29.76	0.00	63	55	73	20	0	0	60	29.71	0.00	68	58	70	11	0	0		
21	0	29.88	0.00	53	51	95	20	5	12	0	29.76	0.00	57	53	86	20	0	0	0	29.75	0.00	62	56	80	11	0	0		
MAY 25										MAY 26										MAY 27									
00	0	29.77	0.00	58	52	83	11	0	0	0	29.60	0.00	52	51	97	03	0	0	0	29.77	0.00	48	46	96	01	0	0		
03	0	29.76	0.00	54	51	88	21	0	0	0	29.53	0.00	51	50	97	03	0	0	0	29.80	0.00	47	46	97	03	0	2		
06	32	29.78	0.00	57	51	78	15	0	4	7	29.50	0.00	51	50	97	03	0	0	16	29.84	0.00	46	45	97	03	0	0		
09	174	29.77	0.00	60	52	76	22	0	5	42	29.50	0.00	51	50	96	01	0	0	563	29.87	0.00	56	52	87	06	0	0		
12	248	29.74	0.00	63	50	61	19	0	9	139	29.52	0.08	52	51	95	01	0	6	877	29.85	0.00	65	51	60	01	0	0		
15	98	29.69	0.00	62	53	73	19	0	6	156	29.57	0.00	55	53	91	30	0	8	881	29.84	0.00	70	51	51	32	0	5		
18	26	29.65	0.00	56	54	92	30	0	0	56	29.64	0.00	53	51	91	08	0	6	338	29.83	0.00	69	53	57	30	0	7		
21	0	29.64	0.00	53	51	95	03	0	0	0	29.72	0.00	50	48	94	05	0	5	0	29.85	0.00	54	50	87	28	0	0		
MAY 28										MAY 29										MAY 30									
00	0	29.85	0.00	50	48	93	28	0	0	0	29.83	0.00	59	54	85	21	0	0	0	29.95	0.00	52	49	90	21	4	14		
03	0	29.85	0.00	48	47	96	28	0	0	0	29.81	0.00	57	54	89	14	0	0	0	29.96	0.00	52	49	91	17	4	11		
06	23	29.86	0.00	49	48	97	28	0	0	14	29.82	0.00	58	55	92	15	0	5	23	29.98	0.00	52	49	91	19	4	14		
09	531	29.89	0.00	66	55	68	22	0	6	160	29.83	0.00	59	51	73	16	3	10	327	30.00	0.00	58	54	86	17	4	16		
12	877	29.84	0.00	72	55	54	13	1	6	149	29.86	0.00	56	53	89	22	1	9	84	30.04	0.00	55	53	93	20	1	11		
15	448	29.84	0.00	74	57	55	27	0	9	98	29.90	0.12	53	50	92	15	2	10	374	29.96	0.00	62	57	84	16	0	11		
18	380	29.80	0.00	75	55	50	20	1	9	105	29.91	0.00	54	51	91	21	3	11	114	29.95	0.00	59	56	88	20	1	18		
21	0	29.82	0.00	60	54	80	21	0	0	0	29.95	0.00	51	49	91	18	2	7	0	29.93	0.04	55	54	96	18	1	10		
MAY 31																													
00	0	29.94	0.00	56	55	96	22	4	16																				
03	0	29.92	0.00	56	54	94	21	3	15																				
06	65	29.92	0.00	55	53	93	13	1	13																				
09	290	29.92	0.00	58	56	93	20	5	13																				
12	911	29.88	0.00	67	60	78	19	2	15																				
15	0	29.87	0.00	62	52	71	27	8	24																				
18	348	29.83	0.00	61	54	80	20	2	9																				
21	0	29.81	0.00	56	52	88	21	0	8																				

### WEATHER NOTES

NOTES:  
 Units: 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

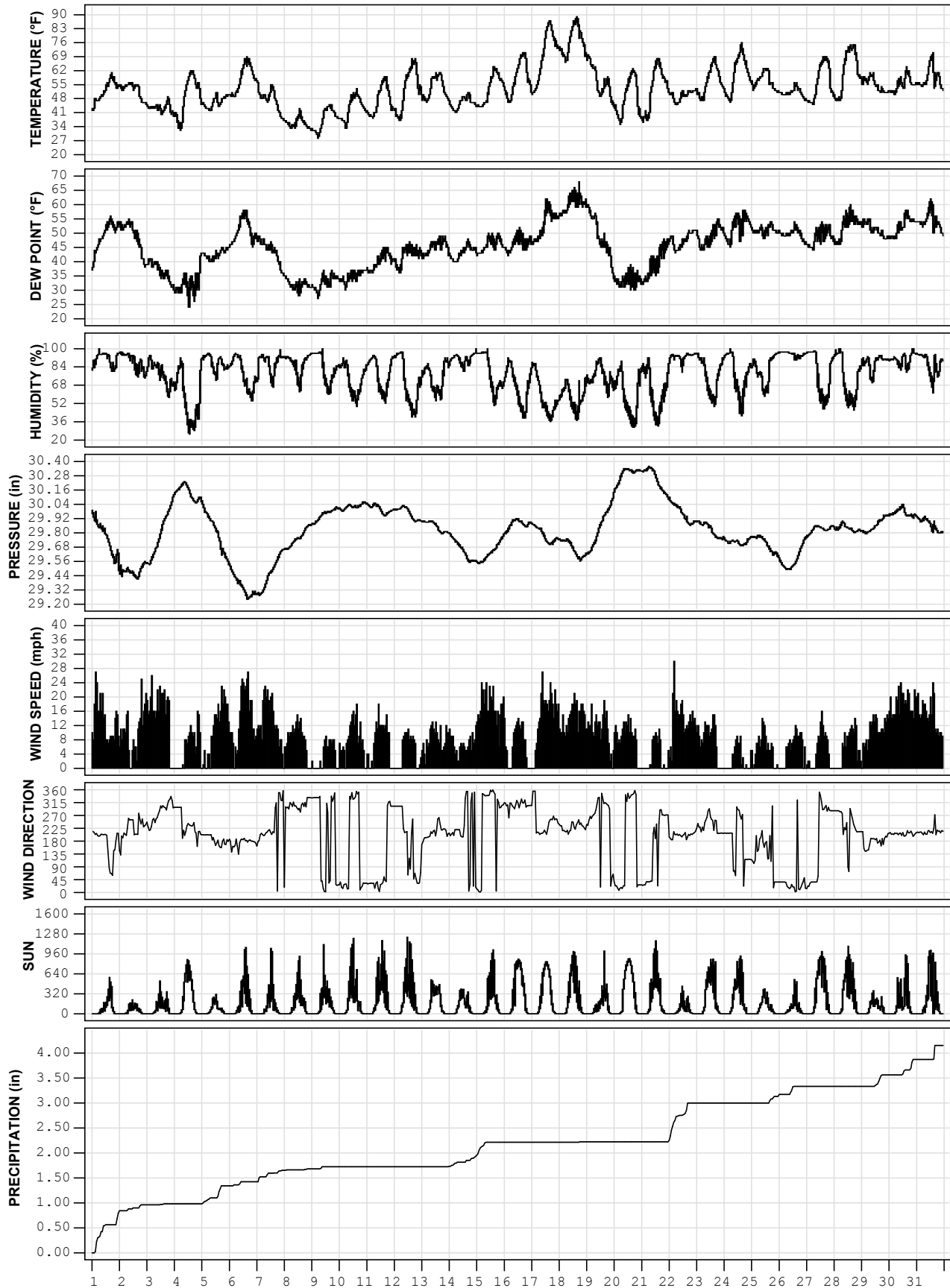
Hour	Averages						Resultant Wind	
	Sunshine	Pressure	Temperature	Dew Point	Humidity	Wind Speed	Direction	Speed
00	0	29.837	50	45	85	1.1	22	0.8
03	0	29.823	48	45	89	1.4	22	1.2
06	18	29.834	47	44	90	1.4	21	1.1
09	279	29.848	53	46	80	2.5	23	1.3
12	455	29.839	58	47	69	2.3	24	1.3
15	370	29.816	60	47	65	1.9	27	0.8
18	145	29.807	59	47	69	1.7	25	1.1
21	0	29.825	53	46	79	1.4	22	1.0

## HOURLY PRECIPITATION (Water Equivalent) May 2017: Westford

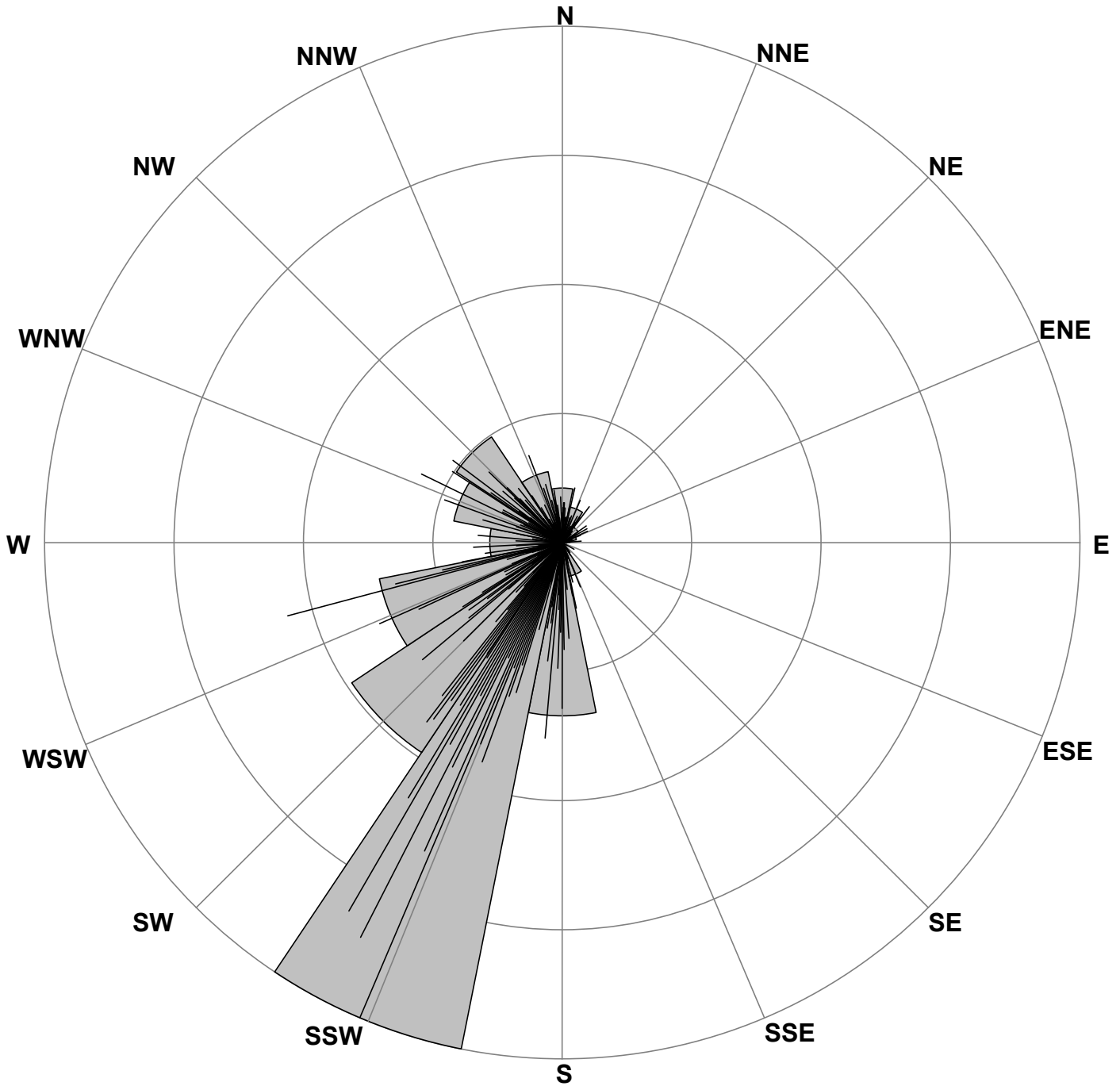
Date	A.M. Hour Ending at												P.M. Hour Ending at												Date
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	
01			0.02	0.20	0.08	0.01	0.02	0.09		0.12		0.02										0.12	0.11	0.05	01
02							0.01	0.03				0.02						0.04	0.02						02
03												0.01			0.01										03
04																									04
05	0.01	0.03	0.01	0.01	0.02	0.01	0.02	0.01							0.03	0.09	0.06	0.06							05
06				0.02					0.02	0.04															06
07		0.08	0.02						0.04	0.03						0.01				0.03	0.01		0.01		07
08		0.01																0.01		0.01	0.01				08
09								0.01	0.03																09
10																									10
11																									11
12																									12
13																								0.01	13
14		0.02		0.02	0.02		0.02		0.01						0.04					0.03	0.01		0.02	0.02	14
15	0.03	0.07	0.05	0.02	0.01	0.02	0.05	0.01																	15
16																									16
17																									17
18																		0.01							18
19																									19
20																									20
21																								0.03	21
22	0.09	0.11	0.08	0.08	0.04	0.08		0.01	0.01			0.01	0.01	0.02	0.06	0.14	0.01								22
23																									23
24																									24
25																0.05	0.03			0.03	0.02			0.04	25
26									0.04	0.04	0.07	0.01													26
27																									27
28																									28
29												0.02	0.02	0.01	0.05	0.06	0.06	0.01							29
30												0.02	0.06	0.02					0.04	0.11	0.06				30
31																0.01	0.27								31
<b>Sum</b>	0.13	0.32	0.18	0.35	0.17	0.12	0.12	0.16	0.10	0.23	0.04	0.17	0.10	0.08	0.27	0.58	0.16	0.07	0.15	0.16	0.06	0.15	0.13	0.15	<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 2017: Westford



**Wind Rose: May 2017  
Westford**



**Maximum direction of wind: 47.0 miles from 203°  
Maximum sector of wind: 394.7 miles from SSW  
1284.8 total miles of wind**