

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### April 2011

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	Res	Res	Peak			Minute	
																				Speed	Speed		Dir	Speed
1	2	3	4A	4B	5	6	7	8	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
1	38.2	30.8	34.5	33.5	28	81	30	0	.....	3	0.23	0.9	29.72	29.28	29.437	1.4	0.9	5	15	NNE	5	11	61	
2	47.4	29.1	38.3	38.1	26	66	27	0	.....	1	0.00	T	29.52	29.29	29.360	3.9	3.8	304	27	NW	19	313	193	
3	46.2	31.3	38.8	37.8	17	43	26	0	.....	1	0.00	0.0	29.92	29.52	29.757	4.7	4.6	321	23	WNW	14	307	252	
4	48.4	30.9	39.7	38.2	30	74	25	0	.....	1	0.47	T	29.92	29.27	29.601	4.6	4.5	191	21	SW	13	198	31	
5	50.3	30.9	40.6	39.8	36	87	24	0	.....	1	0.74	T	29.57	29.10	29.276	5.4	4.3	251	24	WNW	14	303	42	
6	38.7	27.6	33.2	32.2	22	66	31	0	.....	T	0.02	0.4	30.03	29.57	29.810	4.2	3.8	281	20	NW	12	284	201	
7	45.6	22.2	33.9	34.3	20	58	31	0	.....	T	0.00	0.0	30.18	30.02	30.102	0.8	0.8	346	13	NW	8	297	262	
8	52.5	26.7	39.6	39.2	21	51	25	0	.....	T	0.00	0.0	30.24	30.07	30.155	1.1	0.6	228	13	NW	8	302	249	
9	59.0	34.6	46.8	45.9	25	45	18	0	.....	T	0.00	0.0	30.13	30.01	30.068	2.7	2.2	221	16	W	9	273	236	
10	61.7	40.1	50.9	50.6	38	63	14	0	.....	0	0.50	0.0	30.05	29.78	29.941	4.9	4.9	204	23	SSW	14	208	175	
11	69.3	47.6	58.5	56.3	49	78	6	0	..3.....	0	0.54	0.0	29.78	29.27	29.477	9.1	8.1	216	34	NW	22	289	82	
12	56.2	37.9	47.1	47.1	32	58	18	0	.....	0	0.00	0.0	30.14	29.46	29.880	3.9	3.5	321	24	WSW	15	308	252	
13	49.1	40.3	44.7	43.4	34	71	20	0	.....	0	0.31	0.0	30.14	29.83	29.991	1.9	1.7	176	22	S	11	200	47	
14	45.8	30.9	38.3	40.0	34	80	26	0	.....	0	0.09	0.0	30.31	29.82	30.028	3.3	3.0	336	18	NNW	10	305	65	
15	40.1	23.3	31.7*	31.1	13	47	33	0	.....	0	0.00	0.0	30.53	30.31	30.460	1.9	1.8	4	15	NW	9	299	278	
16	42.2	25.8	34.0	35.7	22	58	31	0	.....	0	0.06	T	30.44	29.66	30.137	4.8	4.7	179	36	SSE	17	180	70	
17	47.9	35.9	41.9	42.5	33	71	23	0	.....	0	0.50	0.0	29.66	29.34	29.478	6.7	5.7	236	28	WSW	19	272	107	
18	46.6	33.1	39.8	38.0	27	64	25	0	.....	0	0.01	T	29.99	29.60	29.824	5.1	5.0	267	22	W	14	296	150	
19	48.7	32.3	40.5	40.3	25	57	24	0	.....	0	0.00	0.0	30.17	29.99	30.100	1.9	1.7	355	14	N	10	310	252	
20	48.6	34.4	41.5	41.8	35	77	23	0	..3.....	0	0.84	0.0	30.12	29.57	29.793	5.4	4.5	202	28	SSW	16	194	66	
21	42.8	32.0	37.4	35.9	27	69	27	0	.....	0	0.02	T	30.30	29.77	30.008	8.1	7.5	286	31	W	19	266	96	
22	54.7	26.4	40.6	40.7	26	59	24	0	.....	0	0.00	0.0	30.47	30.26	30.363	1.6	0.8	242	17	ESE	8	282	259	
23	50.9	34.4	42.7	43.1	35	74	22	0	.....	0	0.21	T	30.27	29.77	29.959	7.6	7.5	194	29	S	15	198	78	
24	58.4	42.4	50.4	50.4	41	70	15	0	.....	0	0.00	0.0	30.02	29.77	29.927	2.8	1.6	285	21	SSW	12	219	187	
25	64.1	38.9	51.5	50.4	41	71	13	0	.....	0	0.10	0.0	30.09	29.98	30.024	1.7	1.4	216	13	SW	8	235	196	
26	58.5	48.8	53.6	52.5	51	94	11	0	1.3.....	0	1.38	0.0	29.99	29.79	29.894	1.1	0.5	166	24	W	16	305	43	
27	80.6*	54.9	67.8*	67.7	59	76	0	3	..3.....	0	0.42	0.0	29.89	29.62	29.781	5.9	5.8	203	40	S	16	202	242	
28	71.5	51.3	61.4	63.9	56	77	3	0	..3.....	0	1.04	0.0	29.64	29.35	29.503	7.0	6.0	231	36	W	20	271	129	
29	55.8	44.3	50.0	49.8	38	64	15	0	.....	0	0.00	0.0	29.87	29.57	29.680	2.9	2.3	263	15	W	10	296	102	
30	58.7	40.0	49.4	48.6	37	65	15	0	.....	0	0.02	0.0	30.23	29.87	30.066	2.4	2.3	354	17	WNW	8	320	288	
<b>Sum</b>	<b>Sum</b>	-----	-----	---	----		<b>Ttl</b>	<b>Ttl</b>					<b>For the month:</b>										---	
1579	1059						625	3					7.50	1.3	30.53	29.10	29.863	4.0	2.2	244	40	S	22	289
<b>Avg</b>	<b>Avg</b>	<b>Avg</b>	<b>Mean</b>	<b>Avg</b>	<b>Avg</b>		----	----					<b>Season Ttl</b>	<b>Date</b>	<b>Date</b>	-----	----	----	---	<b>Date</b>	<b>Date</b>	<b>Avg</b>		
52.6	35.3	44.0	43.6	33	67.1		----	----					16.66	170.5	15	5	-----	----	----	---	27	11	156	
<b>Number of Days</b>							<b>Season to Date</b>		<b>Snow, Ice ≥1.0 inch</b>		<b>0</b>		<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>			7503	3	<b>Thunder</b>	5	<b>Precipitation</b>			<b>Snow, Ice Plts</b>											
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----			<b>Heavy Fog</b>	0	1.66	26-27	0.9	1											
0	0	14	0	----	----			<b>Clear</b>	4	<b>Partly Cloudy</b>		12	<b>Cloudy</b>		13									

**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

## April 2011: 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
APR 01									APR 02									APR 03									
01	0	29.69	0.00	37	24	58	20	4	7	0	29.31	0.00	31	29	93	32	4	11	0	29.54	0.00	37	15	41	31	4	8
04	0	29.59	0.00	33	25	72	18	0	0	0	29.29	0.00	31	29	93	31	4	7	0	29.59	0.00	34	15	45	29	6	14
07	9	29.55	0.00	32	25	75	18	0	0	7	29.32	0.00	30	27	91	27	0	0	19	29.69	0.00	32	15	49	31	5	14
10	130	29.46	0.00	34	29	82	06	0	2	536	29.33	0.00	38	32	78	25	4	5	554	29.77	0.00	38	18	44	32	6	13
13	204	29.36	0.00	35	31	87	04	0	6	886	29.33	0.00	45	27	50	30	6	14	807	29.81	0.00	41	18	40	34	5	17
16	171	29.29	0.00	34	31	87	34	3	8	325	29.35	0.00	45	26	47	30	3	13	575	29.83	0.00	45	18	34	33	6	20
19	5	29.30	0.00	32	29	90	34	2	12	19	29.42	0.00	44	22	42	28	5	11	18	29.85	0.00	43	18	35	34	2	7
22	0	29.32	0.00	31	29	92	35	3	10	0	29.48	0.00	39	20	46	26	1	3	0	29.89	0.00	37	19	48	36	0	2
APR 04									APR 05									APR 06									
01	0	29.92	0.00	36	17	46	21	3	5	0	29.21	0.00	50	45	85	18	7	22	0	29.60	0.00	30	24	77	27	8	18
04	0	29.86	0.00	32	20	63	20	0	0	0	29.12	0.00	48	45	89	20	8	19	0	29.68	0.00	29	22	75	22	4	8
07	7	29.78	0.00	38	19	46	18	3	7	0	29.18	0.13	46	42	85	28	12	18	19	29.78	0.00	28	20	73	25	4	8
10	44	29.70	0.00	35	30	83	19	6	12	69	29.22	0.07	38	34	88	30	2	7	561	29.82	0.00	33	21	61	31	7	18
13	28	29.55	0.10	36	32	85	18	6	14	158	29.27	0.07	34	31	90	28	0	5	578	29.82	0.00	36	20	54	32	5	11
16	26	29.44	0.06	38	35	88	16	3	15	77	29.29	0.00	36	33	91	23	4	7	301	29.84	0.00	35	26	71	34	0	9
19	9	29.36	0.00	41	38	89	20	8	16	37	29.36	0.00	37	32	84	25	5	10	21	29.89	0.00	36	21	55	33	4	10
22	0	29.35	0.00	45	41	85	19	6	13	0	29.49	0.00	35	31	83	33	2	8	0	29.98	0.00	31	21	67	32	0	2
APR 07									APR 08									APR 09									
01	0	30.04	0.00	29	19	65	32	0	1	0	30.17	0.00	31	21	68	05	0	0	0	30.10	0.00	38	20	48	20	2	4
04	0	30.04	0.00	25	17	71	32	0	0	0	30.19	0.00	29	20	68	19	0	3	0	30.08	0.00	38	19	47	20	4	7
07	19	30.10	0.00	22	18	82	25	0	1	21	30.21	0.00	27	20	74	19	0	3	28	30.11	0.00	35	20	55	20	4	7
10	584	30.13	0.00	38	21	52	31	0	5	584	30.23	0.00	41	23	48	17	2	7	545	30.11	0.00	46	27	47	19	6	11
13	828	30.13	0.00	42	22	45	35	3	7	770	30.18	0.00	49	21	33	04	2	5	809	30.09	0.00	55	29	36	27	4	10
16	582	30.09	0.00	45	23	41	03	1	11	589	30.11	0.00	50	19	29	07	0	6	234	30.02	0.00	56	26	31	32	2	8
19	23	30.11	0.00	42	22	46	03	1	3	28	30.08	0.00	46	22	39	28	0	0	21	30.02	0.00	50	26	39	06	0	0
22	0	30.15	0.00	31	22	68	05	0	2	0	30.09	0.00	37	20	50	28	0	0	0	30.03	0.00	47	28	49	09	0	2
APR 10									APR 11									APR 12									
01	0	30.02	0.00	45	30	56	17	1	5	0	29.76	0.00	48	45	88	20	5	15	0	29.48	0.00	52	40	63	28	3	13
04	0	30.00	0.00	41	28	59	20	1	4	0	29.68	0.07	48	44	88	20	10	15	0	29.60	0.00	48	39	71	28	8	20
07	21	30.05	0.00	46	32	58	20	5	12	0	29.54	0.00	51	46	84	20	13	26	26	29.78	0.00	38	30	74	34	4	13
10	492	30.02	0.00	53	35	50	20	7	14	149	29.51	0.00	52	49	91	21	8	17	680	29.89	0.00	45	33	63	34	4	11
13	573	29.98	0.00	59	42	52	22	5	13	316	29.41	0.00	58	53	81	20	13	24	782	30.00	0.00	48	30	49	28	4	13
16	163	29.84	0.00	60	40	48	22	10	20	123	29.28	0.00	63	55	77	20	7	19	584	29.99	0.00	55	29	38	34	4	10
19	0	29.85	0.31	50	47	89	17	5	12	12	29.32	0.00	67	56	69	23	6	19	44	30.07	0.00	50	30	46	31	0	2
22	0	29.80	0.00	49	46	90	18	4	10	0	29.38	0.00	62	48	59	24	11	17	0	30.13	0.00	41	29	61	31	0	0
APR 13									APR 14									APR 15									
01	0	30.10	0.00	43	25	49	05	1	6	0	29.83	0.00	40	39	94	29	1	4	0	30.33	0.00	30	14	51	02	4	9
04	0	30.06	0.00	45	26	47	08	0	3	0	29.86	0.00	39	37	94	33	4	9	0	30.39	0.00	25	13	60	03	1	5
07	7	30.08	0.00	45	33	64	15	0	8	23	29.93	0.00	38	36	94	33	3	12	30	30.49	0.00	23	11	59	01	2	7
10	70	30.10	0.00	41	33	72	15	5	13	155	29.98	0.00	40	37	91	31	3	9	624	30.53	0.00	31	11	43	01	3	8
13	218	29.99	0.00	45	35	68	19	5	18	188	30.04	0.00	42	36	80	31	4	9	853	30.52	0.00	35	15	43	33	4	10
16	100	29.91	0.00	44	38	80	16	1	7	218	30.09	0.00	44	37	76	31	2	9	612	30.48	0.00	39	14	36	03	2	9
19	0	29.88	0.11	43	38	85	19	3	7	12	30.16	0.00	42	31	65	35	1	9	46	30.45	0.00	36	14	39	03	0	4
22	0	29.85	0.00	41	39	92	18	0	1	0	30.27	0.00	34	23	63	02	2	6	0	30.47	0.00	29	15	55	05	0	1
APR 16									APR 17									APR 18									
01	0	30.42	0.00	27	15	62	05	0	0	0	29.60	0.00	42	34	73	18	9	26	0	29.61	0.00	36	24	62	23	6	11
04	0	30.35	0.00	27	15	60	09	0	2	0	29.40	0.30	43	38	82	19	7	19	0	29.67	0.00	34	26	73	23	6	14
07	53	30.32	0.00	34	21	57	16	4	9	14	29.36	0.08	42	39	90	21	0	6	18	29.76	0.00	34	25	71	25	5	11
10	283	30.28	0.00	40	19	44	18	8	20	72	29.44	0.00	43	35	75	26	10	18	179	29.84	0.00	35	25	66	26	8	15
13	183	30.18	0.00	41	21	44	17	7	16	376	29.50	0.00	45	29	54	28	12	20	388	29.88	0.00	40	27	60	27	6	14
16	88	30.01	0.00	42	23	47	19	5	21	255	29.50	0.00	46	29	50	22	5	18	404	29.88	0.00	45	28	50	24	7	12
19	5	29.88	0.00	35	27	72	18	2	7	9	29.47	0.00	45	28	52	20	6	14	26	29.92	0.00	42	27	55	29	3	5
22	0	29.75	0.00	36	34	92	15	4	15	0	29.58	0.00	37	30	77	24	9	14	0	29.98	0.00	40	30	69	19	0	4

## MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.24	0.32	0.35	0.38	0.43	0.47	0.48	0.51	0.59	0.68	0.83	0.92
Ended: Date	28	11	11	28	28	28	28	26	26	27	27	27
Ended: Time	0128	0743	0745	0131	0129	0143	0148	2326	2345	0004	0035	0100

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

## April 2011: Westford

Hour	APR 19									APR 20									APR 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	29.99	0.00	37	30	74	30	1	5	0	30.09	0.00	40	22	48	06	2	5	0	29.78	0.00	42	33	70	24	10	18
04	0	30.02	0.00	34	28	78	31	0	1	0	29.98	0.00	38	25	61	06	0	3	0	29.80	0.00	37	29	74	26	13	25
07	58	30.10	0.00	33	26	78	35	2	6	5	29.89	0.18	37	34	90	18	2	7	12	29.85	0.00	35	24	64	25	5	16
10	694	30.15	0.00	39	25	58	33	6	10	172	29.74	0.00	41	36	83	19	7	19	276	29.92	0.00	34	26	72	29	8	17
13	863	30.14	0.00	45	23	41	07	2	7	21	29.69	0.00	41	34	76	19	5	18	376	30.02	0.00	33	25	74	29	11	19
16	589	30.12	0.00	47	23	38	34	3	7	283	29.60	0.00	44	41	89	20	5	16	288	30.11	0.00	38	27	65	31	7	22
19	19	30.10	0.00	44	24	45	01	2	7	7	29.62	0.00	46	43	88	19	8	18	11	30.21	0.00	37	27	67	32	11	19
22	0	30.13	0.00	41	24	50	03	1	4	0	29.77	0.00	46	39	79	27	6	12	0	30.29	0.00	34	30	85	31	1	5
APR 22									APR 23									APR 24									
01	0	30.31	0.00	33	26	76	26	0	3	0	30.27	0.00	42	23	46	17	3	9	0	29.79	0.00	52	48	86	21	5	14
04	0	30.39	0.00	30	25	82	20	0	0	0	30.15	0.00	43	24	47	19	4	8	0	29.84	0.00	50	47	89	30	3	7
07	33	30.42	0.00	28	24	86	20	0	0	23	30.11	0.00	36	31	83	17	10	22	58	29.93	0.00	46	39	76	34	4	11
10	635	30.45	0.00	43	30	61	20	2	8	199	29.98	0.06	37	33	85	18	9	21	302	29.95	0.00	49	38	66	35	4	11
13	786	30.43	0.00	49	28	45	00	2	7	104	29.88	0.00	41	35	79	19	7	20	418	29.97	0.00	51	38	61	01	0	7
16	636	30.33	0.00	55	27	35	00	1	8	350	29.81	0.00	46	40	81	18	8	22	515	29.95	0.00	57	39	51	01	3	10
19	44	30.31	0.00	50	25	38	31	0	4	35	29.78	0.00	48	43	81	19	7	16	76	29.95	0.00	56	39	51	02	0	6
22	0	30.29	0.00	38	26	63	10	0	0	0	29.78	0.00	49	45	85	20	6	16	0	30.00	0.00	45	38	74	04	0	0
APR 25									APR 26									APR 27									
01	0	30.02	0.00	41	35	80	05	0	0	0	29.96	0.07	50	48	93	08	0	2	0	29.84	0.18	56	55	96	22	5	10
04	0	30.03	0.00	41	36	83	05	0	0	0	29.88	0.00	49	48	95	08	0	1	0	29.82	0.00	55	53	92	20	4	14
07	54	30.07	0.00	41	36	82	05	1	3	14	29.91	0.00	50	49	95	08	0	3	79	29.86	0.00	58	55	92	19	5	9
10	629	30.06	0.00	55	39	55	07	0	3	91	29.93	0.00	51	50	96	08	1	3	541	29.88	0.00	66	61	84	18	5	12
13	953	30.02	0.00	61	42	49	13	1	9	109	29.92	0.00	53	52	95	08	2	6	302	29.83	0.00	73	62	67	17	1	10
16	62	29.99	0.00	59	41	52	21	1	5	84	29.89	0.00	55	52	90	03	2	8	596	29.75	0.00	80	64	58	19	6	15
19	14	30.00	0.00	52	46	81	20	5	8	0	29.85	1.04	53	51	94	09	1	5	67	29.70	0.00	77	61	58	22	12	20
22	0	29.99	0.00	50	47	90	19	3	6	0	29.88	0.00	57	55	93	30	8	16	0	29.64	0.00	72	61	69	19	4	18
APR 28									APR 29									APR 30									
01	0	29.62	0.00	70	63	77	21	9	22	0	29.61	0.00	50	37	62	19	1	4	0	29.88	0.00	44	38	79	31	4	5
04	0	29.59	0.00	64	62	92	20	7	15	0	29.57	0.00	46	36	68	19	0	4	0	29.92	0.00	43	39	87	35	2	8
07	5	29.52	0.00	64	62	92	24	0	0	76	29.62	0.00	47	39	72	19	1	7	81	30.01	0.00	40	36	84	35	1	9
10	207	29.46	0.00	65	61	88	20	7	13	165	29.64	0.00	52	41	65	25	3	9	200	30.07	0.00	47	35	62	00	4	14
13	209	29.38	0.04	66	61	86	21	11	28	234	29.67	0.00	54	40	59	25	2	9	967	30.10	0.00	54	38	54	33	5	9
16	72	29.39	0.54	63	56	78	29	14	25	102	29.69	0.00	52	38	58	27	2	14	652	30.13	0.00	57	37	47	01	3	12
19	81	29.46	0.00	65	48	53	28	4	16	35	29.76	0.00	51	36	56	29	3	11	90	30.16	0.00	58	34	40	02	0	8
22	0	29.61	0.00	52	37	56	29	1	13	0	29.84	0.00	47	39	73	00	2	7	0	30.22	0.00	47	35	63	05	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

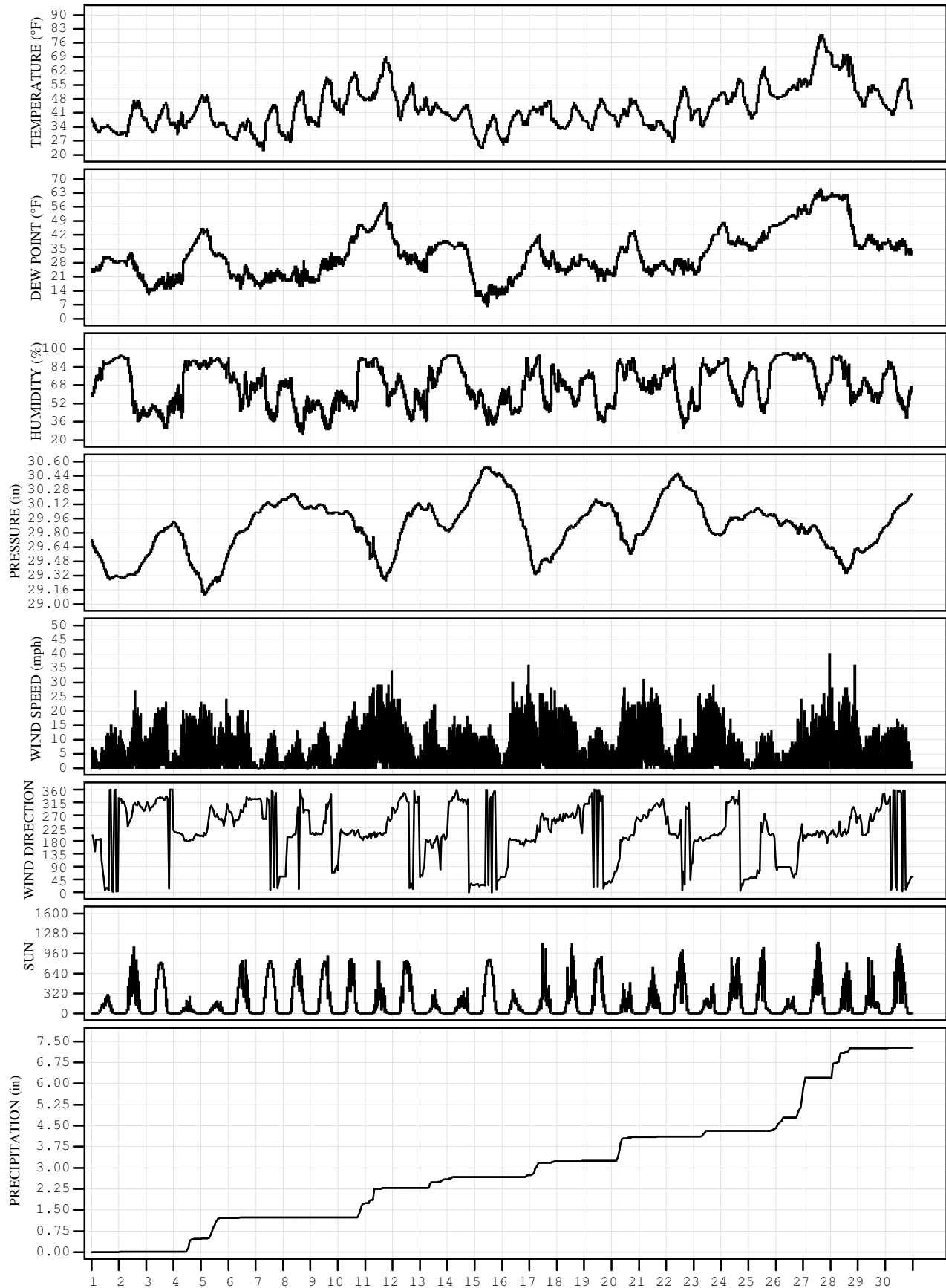
Hour	Averages						Resultant Wind	
	Sunshine	Pressure	Temperature	Dew Point	Humidity	Wind Speed	Direction	Speed
01	0	29.863	41	31	69	3.4	23	2.2
04	0	29.848	39	31	74	3.2	24	2.2
07	27	29.877	38	31	76	3.2	24	1.7
10	347	29.888	43	33	68	4.8	24	2.3
13	476	29.870	47	33	61	4.7	26	2.3
16	322	29.833	49	34	59	4.1	26	1.8
19	27	29.843	47	34	61	3.6	24	2.1
22	0	29.880	43	33	71	2.5	25	1.4

## HOURLY PRECIPITATION (Water Equivalent) April 2011: Westford

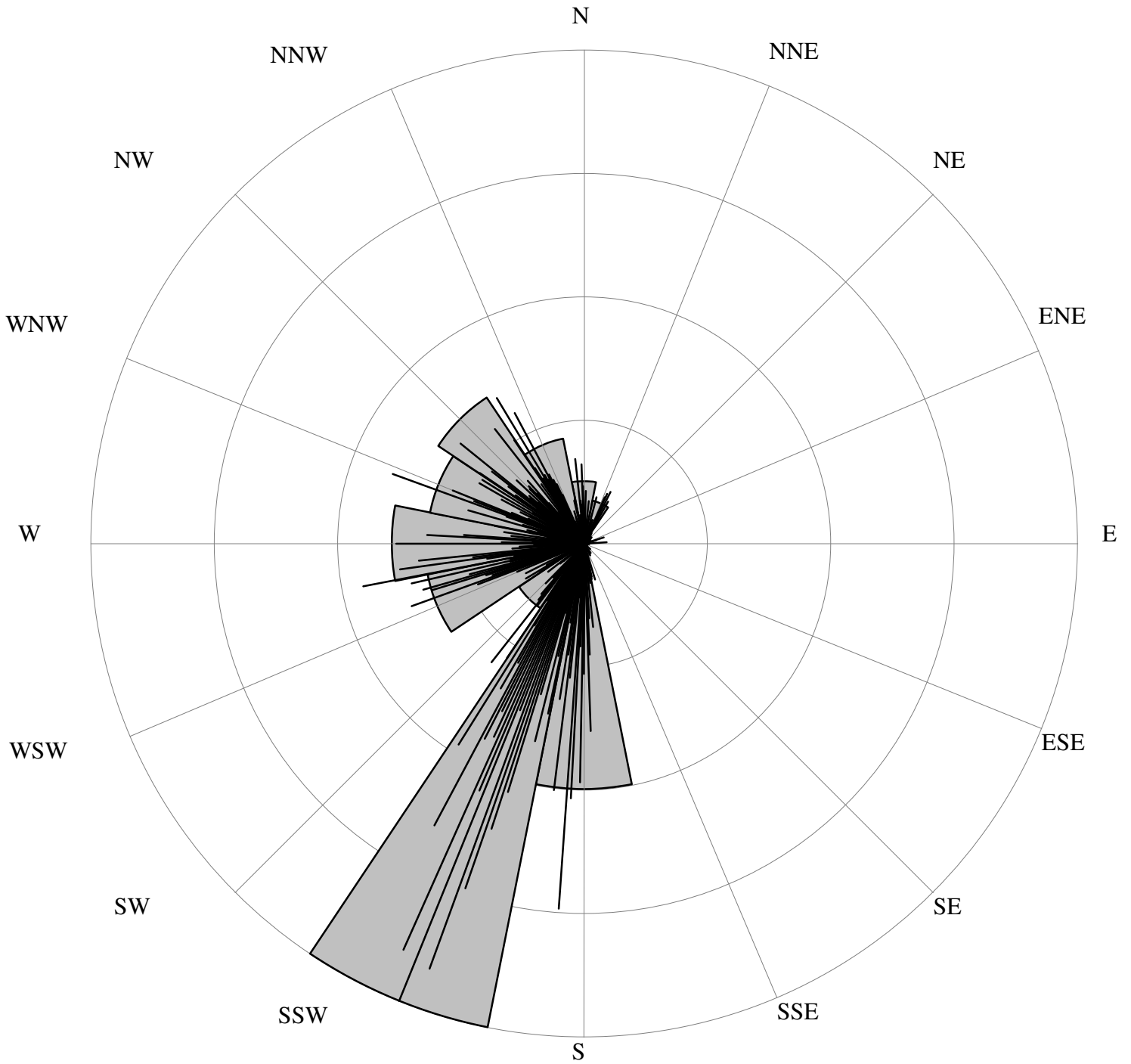
Date	A.M. Hour Ending at												P.M. Hour Ending at												Date
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	
01																								01	
02	0.01																								02
03																									03
04																									04
05	0.01																								05
06																									06
07																									07
08																									08
09																									09
10																									10
11																									11
12																									12
13																									13
14	0.01	0.02	0.01	0.03	0.02																				14
15																									15
16																									16
17		0.01	0.03	0.04	0.15	0.06	0.07	0.06	0.02																17
18																									18
19																									19
20																									20
21		0.01																							21
22																									22
23																									23
24																									24
25																									25
26	0.07	0.07	0.04	0.03	0.04	0.09	0.03																		26
27	0.25	0.17																							27
28		0.48	0.02	0.02		0.01	0.03	0.20	0.12																28
29																									29
30			0.01																						30
<b>Sum</b>	0.35	0.76	0.11	0.21	0.31	0.26	0.39	1.01	0.58	0.23	0.16	0.17	0.22	0.31	0.14	0.10	0.11	0.07	0.28	0.34	0.21	0.23	0.41	0.32	<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  
April 2011: Westford



Wind Rose: April 2011  
Westford



Maximum direction of wind: 77.8 miles from 202°  
Maximum sector of wind: 808.5 miles from SSW  
2861.0 total miles of wind