

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

March 2016

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	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	27.1	6.5	16.8	17.1	5	59	48	0	.....	0	0.00	0.0	30.19	29.65	30.026	2.1	2.1	314	27	WNW	19	299	118
2	34.5	8.4	21.4	22.0	16	79	43	0	...4.6...	T	0.33	0.2	30.04	29.29	29.661	6.2	4.9	282	35	W	22	284	52	
3	16.3	0.0*	8.1*	7.1	-2	67	57	0	.....	T	0.00	0.0	30.28	30.04	30.217	1.5	1.5	323	16	NNW	11	321	173
4	27.4	1.5	14.4	13.7	4	68	50	0	.....	0	0.00	0.0	30.26	30.18	30.217	0.1	0.0	269	6	W	3	276	131
5	31.1	7.9	19.5	19.0	9	67	45	0	.....	0	0.00	0.0	30.25	30.16	30.196	0.2	0.2	340	10	NW	5	9	151
6	38.2	15.7	27.0	26.6	16	65	38	0	.....	0	0.00	0.0	30.28	30.11	30.214	0.7	0.6	252	14	WNW	8	272	171
7	35.4	29.1	32.3	32.9	26	79	33	0	.....	T	0.09	0.5	30.11	29.90	29.990	4.7	4.7	209	28	SSW	14	214	16
8	48.1	33.4	40.8	39.3	33	80	24	0	.....	0	0.00	0.0	30.16	29.96	30.090	0.5	0.4	210	12	SSW	6	201	115
9	65.9*	46.4	56.2*	57.0	45	64	9	0	.....	0	T	0.0	29.96	29.77	29.865	6.6	6.3	216	31	W	12	269	59
10	57.4	33.1	45.3	46.8	45	92	20	0	.2.....	0	0.46	0.0	29.91	29.81	29.864	0.2	0.1	291	16	NW	7	327	27	
11	39.7	27.1	33.4	32.6	30	90	31	0	.....	0	0.05	T	30.33	29.87	30.139	0.6	0.6	349	13	NW	6	330	87
12	56.0	23.7	39.9	41.6	27	61	25	0	.....	0	0.00	0.0	30.33	29.85	30.053	5.0	4.8	220	24	SW	15	211	177
13	47.8	28.8	38.3	39.8	26	58	26	0	.....	0	0.00	0.0	30.15	29.87	30.070	0.9	0.7	308	19	NW	8	347	184
14	40.9	26.4	33.7	34.3	25	70	31	0	.....	0	0.07	0.0	30.14	29.97	30.078	2.8	2.8	184	23	SSW	11	181	54
15	55.0	34.7	44.9	42.8	37	81	20	0	.....	0	0.09	0.0	29.97	29.79	29.859	4.6	4.6	186	26	S	14	182	141
16	55.1	36.1	45.6	42.7	40	89	19	0	.2.....	0	0.32	0.0	29.88	29.69	29.799	1.1	0.9	295	22	W	9	279	139	
17	56.0	38.2	47.1	45.0	37	77	18	0	.....	0	0.02	0.0	29.76	29.55	29.649	3.9	3.5	229	22	WSW	10	294	115
18	39.8	21.1	30.4	31.6	23	71	34	0	.....	0	0.05	0.1	29.97	29.55	29.725	3.4	2.9	307	21	W	14	301	161
19	30.7	13.2	22.0	21.7	10	62	43	0	.....	0	0.00	0.0	30.21	29.97	30.105	1.0	1.0	325	18	NW	12	298	206
20	36.8	10.9	23.8	24.3	10	57	41	0	.....	0	0.00	0.0	30.24	29.92	30.120	0.3	0.2	348	14	NW	6	30	205
21	39.3	19.9	29.6	28.6	14	58	35	0	.....	0	0.00	0.0	29.92	29.71	29.789	1.9	1.9	320	21	NW	11	318	180
22	43.1	20.4	31.7	31.9	17	55	33	0	.....	0	T	T	30.00	29.83	29.923	2.1	1.8	280	24	WNW	16	292	167
23	37.7	26.0	31.9	32.5	26	77	33	0	.....	0	0.12	T	30.19	29.77	29.965	0.5	0.4	357	12	S	8	222	116
24	36.4	23.1	29.8	29.8	24	80	35	0	.....	T	0.06	1.0	30.22	29.71	30.037	1.2	1.0	175	30	S	14	183	38
25	47.7	27.0	37.4	37.5	35	91	27	0	.....	0	0.46	0.0	30.14	29.56	29.744	3.6	2.1	234	23	SSW	13	297	37
26	44.5	25.6	35.1	32.2	26	78	29	0	.....	0	T	T	30.37	30.14	30.289	0.5	0.4	334	13	WNW	7	300	204
27	59.6	26.3	42.9	44.3	33	66	22	0	.....	0	0.00	0.0	30.32	29.97	30.188	3.7	3.6	205	20	S	12	198	212
28	45.6	34.0	39.8	41.6	38	87	25	0	.....	0	0.67	0.0	29.98	29.35	29.569	3.9	3.3	205	22	WNW	12	314	38
29	39.3	27.3	33.3	32.2	24	76	32	0	.....	0	0.19	1.5	30.16	29.40	29.827	7.3	7.2	318	33	WNW	20	301	151
30	55.4	24.9	40.2	40.4	21	48	25	0	.....	0	0.00	0.0	30.23	29.85	30.085	2.4	2.4	207	19	S	10	218	207
31	63.3	47.0	55.1	53.6	38	56	10	0	.....	0	T	0.0	29.86	29.48	29.671	7.1	7.1	205	30	S	15	207	42
Sum	Sum	-----	-----	---	----		Ttl	Ttl					Total	Total	For the month:						---			
	1351	744					961	0	Number of Days				2.98	3.3	30.37	29.29	29.969	2.6	1.6	241	35	W	22	284
Avg	Avg	Avg	Mean	Avg	Avg		----	----	Precip				Season Ttl	Date	Date	-----	----	----	---	Date	Date	Avg		
	43.6	24.0	33.8	33.6	25	71.3	----	----	≥.01 inch	14			8.59	35.7	26	2	-----	----	----	---	2	2	125	
Number of Days							Season to Date	Snow, Ice ≥1.0 inch	2	Greatest in 24 Hours and Dates						Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date								
Max Temperature			Min Temperature			5935	0	Thunder	0	Precipitation			Snow, Ice Plts											
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----			Heavy Fog	2	0.72	28-29	1.5	29	T						2+				
0	5	23	1	----	----			Clear	3	Partly Cloudy			19	Cloudy			9							

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

March 2016: Westford

Hour	MAR 01									MAR 02									MAR 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
01	0	29.91	0.00	19	9	62	31	10	22	0	29.60	0.00	28	23	81	22	3	8	0	30.06	0.00	8	2	76	33	0	0
04	0	30.06	0.00	10	1	65	30	7	18	0	29.34	0.00	34	31	88	21	6	20	0	30.13	0.00	4	-3	74	33	7	15
07	14	30.16	0.00	7	-2	68	31	1	6	7	29.38	0.00	33	32	96	26	7	13	14	30.23	0.00	0	-7	72	34	4	11
10	483	30.19	0.00	13	1	58	29	5	10	39	29.52	0.00	24	18	78	29	0	16	517	30.27	0.00	6	-5	59	30	4	9
13	158	30.14	0.00	19	5	53	27	0	0	218	29.66	0.00	19	11	70	27	10	23	624	30.25	0.00	11	-3	51	30	1	8
16	139	30.06	0.00	22	8	53	04	0	0	53	29.79	0.00	16	8	70	31	11	20	258	30.23	0.00	16	0	49	01	0	2
19	0	29.97	0.00	22	7	54	04	0	0	0	29.93	0.00	15	7	71	30	8	19	0	30.25	0.00	9	-0	67	36	0	0
22	0	29.80	0.00	23	13	65	06	0	0	0	30.01	0.00	10	4	76	33	0	12	0	30.27	0.00	5	-0	80	01	0	0
MAR 04									MAR 05									MAR 06									
01	0	30.26	0.00	2	-1	87	01	0	0	0	30.20	0.00	9	5	82	02	0	0	0	30.20	0.00	20	12	72	30	0	0
04	0	30.22	0.00	2	-1	87	01	0	0	0	30.20	0.00	10	4	79	02	0	0	0	30.22	0.00	17	13	84	30	0	0
07	21	30.25	0.00	2	-1	86	06	0	0	14	30.22	0.00	8	4	83	02	0	0	18	30.26	0.00	16	12	85	28	0	0
10	541	30.25	0.00	19	7	58	28	0	0	536	30.24	0.00	23	9	54	32	0	7	519	30.27	0.00	30	18	61	22	1	7
13	360	30.21	0.00	23	9	54	22	0	6	557	30.19	0.00	29	11	47	34	1	7	234	30.24	0.00	34	17	49	25	0	5
16	264	30.18	0.00	27	8	44	02	0	4	146	30.16	0.00	28	14	55	29	0	5	278	30.20	0.00	37	17	43	24	2	6
19	0	30.21	0.00	19	8	61	01	0	0	0	30.18	0.00	22	13	67	30	0	0	0	30.19	0.00	27	17	64	26	0	0
22	0	30.19	0.00	13	6	72	01	0	0	0	30.20	0.00	21	13	72	30	0	0	0	30.15	0.00	28	16	61	22	0	0
MAR 07									MAR 08									MAR 09									
01	0	30.09	0.00	30	18	59	19	3	10	0	30.07	0.00	36	33	89	21	0	0	0	29.92	0.00	49	39	69	19	7	19
04	0	30.02	0.00	33	17	52	22	7	20	0	30.10	0.00	34	32	92	21	0	0	0	29.92	0.00	51	40	65	19	10	21
07	7	29.98	0.00	33	21	60	20	6	16	19	30.14	0.00	34	32	92	21	0	0	9	29.91	0.00	50	40	68	21	9	16
10	33	29.92	0.00	30	28	91	21	10	23	98	30.16	0.00	39	33	81	21	0	0	86	29.91	0.00	56	43	62	20	7	14
13	40	29.90	0.00	31	30	95	19	7	13	434	30.11	0.00	46	35	66	01	0	0	135	29.86	0.00	60	46	58	19	2	13
16	40	29.94	0.00	34	31	91	21	4	8	84	30.08	0.00	46	35	64	28	2	5	44	29.79	0.00	63	48	58	22	7	18
19	0	30.02	0.00	35	33	93	21	0	0	0	30.08	0.00	37	33	85	31	0	0	0	29.78	0.00	65	46	51	21	3	11
22	0	30.05	0.00	35	32	91	21	0	0	0	30.00	0.00	42	35	75	20	3	8	0	29.84	0.00	60	52	75	26	2	11
MAR 10									MAR 11									MAR 12									
01	0	29.86	0.00	56	51	82	22	0	7	0	29.88	0.00	33	32	97	29	0	0	0	30.32	0.00	29	26	87	24	0	0
04	0	29.88	0.00	52	49	88	31	0	0	0	29.93	0.00	31	30	97	00	1	6	0	30.28	0.00	27	25	93	19	2	7
07	16	29.90	0.00	49	47	92	31	0	0	14	30.06	0.00	31	30	98	01	0	6	19	30.21	0.00	31	26	84	19	4	10
10	88	29.90	0.00	50	48	91	04	0	5	167	30.14	0.00	33	32	98	31	0	5	547	30.11	0.00	42	30	63	20	8	19
13	63	29.85	0.00	51	49	92	32	0	0	179	30.18	0.00	33	31	93	35	2	8	635	29.96	0.00	51	30	45	21	10	22
16	32	29.81	0.18	48	47	97	18	0	5	294	30.23	0.00	40	31	71	34	0	8	278	29.86	0.00	55	31	39	22	8	19
19	0	29.85	0.00	36	35	96	32	0	10	0	30.29	0.00	32	26	80	30	0	0	0	29.86	0.00	51	25	36	25	5	12
22	0	29.86	0.00	34	33	97	29	0	5	0	30.33	0.00	30	26	84	30	0	0	0	29.87	0.00	48	26	43	24	4	12
MAR 13									MAR 14									MAR 15									
01	0	29.90	0.00	44	32	63	24	3	9	0	30.14	0.00	31	21	68	05	0	0	0	29.96	0.00	35	32	88	18	6	16
04	0	29.93	0.00	42	34	71	30	5	14	0	30.12	0.00	27	17	67	10	0	0	0	29.90	0.00	36	33	91	17	6	12
07	0	30.03	0.00	35	29	80	04	0	0	5	30.10	0.00	37	16	42	18	1	6	0	29.89	0.00	39	34	84	18	5	14
10	408	30.10	0.00	41	27	57	36	0	12	176	30.10	0.00	41	20	44	19	3	13	172	29.88	0.00	44	37	78	19	8	15
13	635	30.12	0.00	45	23	42	32	2	11	105	30.10	0.00	35	28	76	16	4	10	369	29.83	0.00	50	41	71	19	10	20
16	292	30.10	0.00	47	23	40	00	0	12	139	30.07	0.00	35	31	87	19	7	16	450	29.80	0.00	55	43	63	19	7	14
19	0	30.13	0.00	36	22	55	03	0	0	0	30.04	0.00	34	31	87	18	7	15	0	29.80	0.00	47	40	77	17	0	0
22	0	30.15	0.00	32	22	66	05	0	0	0	30.00	0.00	36	31	81	18	6	18	0	29.82	0.00	40	37	89	17	0	0
MAR 16									MAR 17									MAR 18									
01	0	29.82	0.00	39	37	93	11	0	0	0	29.74	0.00	41	40	96	21	0	0	0	29.58	0.00	39	33	78	25	7	12
04	0	29.82	0.00	39	37	93	32	0	4	0	29.71	0.00	41	40	97	19	5	10	0	29.55	0.00	37	34	89	26	4	9
07	0	29.86	0.00	36	35	96	31	0	0	0	29.71	0.00	40	38	96	20	4	8	0	29.61	0.00	29	27	94	02	0	0
10	190	29.87	0.00	41	39	93	33	1	5	436	29.69	0.00	48	44	87	21	7	13	431	29.70	0.00	28	25	88	35	0	8
13	596	29.83	0.00	46	41	82	32	4	10	657	29.60	0.00	53	40	61	22	6	14	759	29.74	0.00	34	23	63	02	1	11
16	338	29.73	0.00	52	44	74	31	1	8	97	29.56	0.00	52	33	48	24	4	13	148	29.76	0.00	33	21	60	32	7	21
19	0	29.76	0.00	44	40	88	23	1	9	0	29.60	0.00	46	32	58	29	0	15	5	29.86	0.00	29	11	48	30	5	15
22	0	29.72	0.30	42	41	95	09	0	0	0	29.61	0.00	40	35	80	25	5	10	0	29.94	0.00	25	13	60	04	0	0

MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.03	0.05	0.07	0.09	0.11	0.14	0.17	0.22	0.25	0.28	0.31	0.34
Ended: Date	10	16	16	16	16	16	25	25	10	10	10	10
Ended: Time	1548	2237	2234	2237	2240	2240	0529	0540	1606	1615	1614	1633

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

March 2016: 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								
MAR 19										MAR 20										MAR 21									
01	0	29.99	0.00	20	10	64	01	0	8	0	30.21	0.00	19	9	63	03	0	10	0	29.90	0.00	22	14	72	02	0	0		
04	0	30.01	0.00	17	9	71	04	0	0	0	30.21	0.00	14	6	72	05	0	0	0	29.82	0.00	21	16	81	02	0	0		
07	9	30.09	0.00	13	9	81	04	0	0	7	30.23	0.00	12	5	74	35	0	0	0	29.79	0.00	23	20	88	30	0	0		
10	482	30.13	0.00	22	11	62	35	0	13	480	30.23	0.00	25	9	49	20	0	0	526	29.77	0.00	28	17	65	34	1	7		
13	708	30.13	0.00	27	11	51	35	1	14	719	30.14	0.00	32	8	35	03	0	1	687	29.74	0.00	34	13	41	31	0	7		
16	482	30.12	0.00	29	10	44	31	0	16	485	30.04	0.00	36	13	38	31	0	5	527	29.72	0.00	39	9	29	30	4	13		
19	5	30.15	0.00	24	10	54	01	3	10	5	29.99	0.00	31	15	50	31	0	0	12	29.76	0.00	33	12	41	31	0	12		
22	0	30.19	0.00	21	10	63	30	0	0	0	29.97	0.00	27	17	65	02	0	0	0	29.83	0.00	29	16	59	32	1	11		
MAR 22										MAR 23										MAR 24									
01	0	29.89	0.00	26	12	56	33	5	19	0	29.81	0.00	35	30	83	07	0	3	0	30.19	0.00	29	19	65	04	0	0		
04	0	29.93	0.00	23	12	63	31	0	8	0	29.77	0.00	33	31	92	09	0	0	0	30.17	0.00	29	20	70	04	0	0		
07	9	29.97	0.00	21	11	67	02	0	0	0	29.82	0.00	32	31	95	09	0	0	0	30.22	0.00	23	21	91	05	1	5		
10	499	30.00	0.00	27	14	58	26	1	7	51	29.93	0.00	31	29	94	35	3	9	19	30.20	0.00	24	22	91	03	2	6		
13	650	29.95	0.00	36	19	50	25	8	16	383	30.00	0.00	34	31	89	01	0	10	171	30.07	0.00	32	27	82	19	0	4		
16	582	29.90	0.00	43	19	38	25	5	13	454	30.04	0.00	37	18	45	02	2	8	86	29.93	0.00	32	27	81	11	0	0		
19	5	29.88	0.00	39	21	49	25	0	8	5	30.13	0.00	31	13	46	01	0	1	7	29.84	0.00	32	27	81	12	0	0		
22	0	29.88	0.00	38	25	58	21	3	7	0	30.16	0.00	28	17	63	04	0	0	0	29.75	0.00	36	29	78	17	5	14		
MAR 25										MAR 26										MAR 27									
01	0	29.69	0.00	36	31	83	18	7	18	0	30.15	0.00	27	25	92	32	0	0	0	30.32	0.00	29	26	90	23	0	0		
04	0	29.61	0.07	36	34	92	19	3	12	0	30.21	0.00	27	24	89	35	0	2	0	30.29	0.00	31	27	87	19	3	8		
07	0	29.58	0.11	37	36	96	17	8	16	5	30.28	0.00	26	22	87	07	1	4	12	30.29	0.00	36	31	83	20	7	13		
10	118	29.59	0.00	45	44	95	20	6	13	301	30.34	0.00	28	22	80	07	3	6	492	30.28	0.00	44	35	71	21	8	18		
13	100	29.64	0.00	47	46	96	25	5	11	731	30.34	0.00	37	27	65	00	2	5	717	30.21	0.00	55	37	52	21	2	14		
16	69	29.78	0.00	39	36	91	30	3	13	519	30.31	0.00	43	29	59	01	0	9	489	30.12	0.00	59	36	41	18	5	13		
19	7	29.92	0.00	31	29	90	33	1	14	16	30.31	0.00	40	29	67	31	0	0	12	30.07	0.00	54	33	45	20	1	9		
22	0	30.07	0.00	29	25	87	31	0	12	0	30.31	0.00	31	27	86	31	0	0	0	30.02	0.00	46	36	68	17	2	9		
MAR 28										MAR 29										MAR 30									
01	0	29.96	0.00	44	35	70	19	3	12	0	29.44	0.00	32	31	96	31	5	15	0	30.16	0.00	29	18	63	29	0	0		
04	0	29.83	0.00	41	35	81	19	3	10	0	29.55	0.00	32	31	97	32	8	28	0	30.17	0.00	25	16	69	22	0	0		
07	11	29.70	0.00	44	38	80	20	0	6	7	29.67	0.00	28	27	96	31	14	32	30	30.21	0.00	26	17	68	19	0	0		
10	67	29.58	0.21	41	38	89	19	8	20	79	29.81	0.00	28	26	94	32	9	18	492	30.21	0.00	38	21	50	21	3	9		
13	334	29.47	0.00	40	39	94	19	6	19	619	29.88	0.00	33	26	76	31	10	28	654	30.13	0.00	47	23	39	22	2	13		
16	107	29.39	0.00	40	39	95	19	6	12	513	29.95	0.00	38	22	53	30	9	21	626	30.00	0.00	53	25	33	22	5	14		
19	0	29.35	0.00	41	40	96	19	6	10	16	30.04	0.00	36	18	49	33	5	20	11	29.92	0.00	50	24	36	18	0	4		
22	0	29.36	0.00	40	38	93	25	6	14	0	30.14	0.00	32	17	53	31	1	10	0	29.89	0.00	49	24	36	21	3	14		
MAR 31																													
01	0	29.86	0.00	49	24	38	20	9	20																				
04	0	29.79	0.00	47	28	48	20	4	16																				
07	9	29.73	0.00	48	32	53	20	4	20																				
10	151	29.69	0.00	51	35	55	20	8	21																				
13	128	29.67	0.00	52	40	64	21	9	24																				
16	47	29.62	0.00	58	44	60	20	11	25																				
19	11	29.53	0.00	61	48	61	20	4	22																				
22	0	29.52	0.00	63	49	61	19	6	23																				

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	29.970	30	23	76	2.2	23	1.4
04	0	29.958	29	23	80	2.6	24	1.4
07	9	29.982	28	23	82	2.4	23	1.4
10	298	29.999	33	25	73	3.5	22	2.1
13	431	29.972	38	26	65	3.4	24	2.1
16	270	29.945	40	26	58	3.6	25	2.2
19	4	29.958	36	24	65	1.5	26	0.8
22	0	29.964	33	25	72	1.6	22	1.3

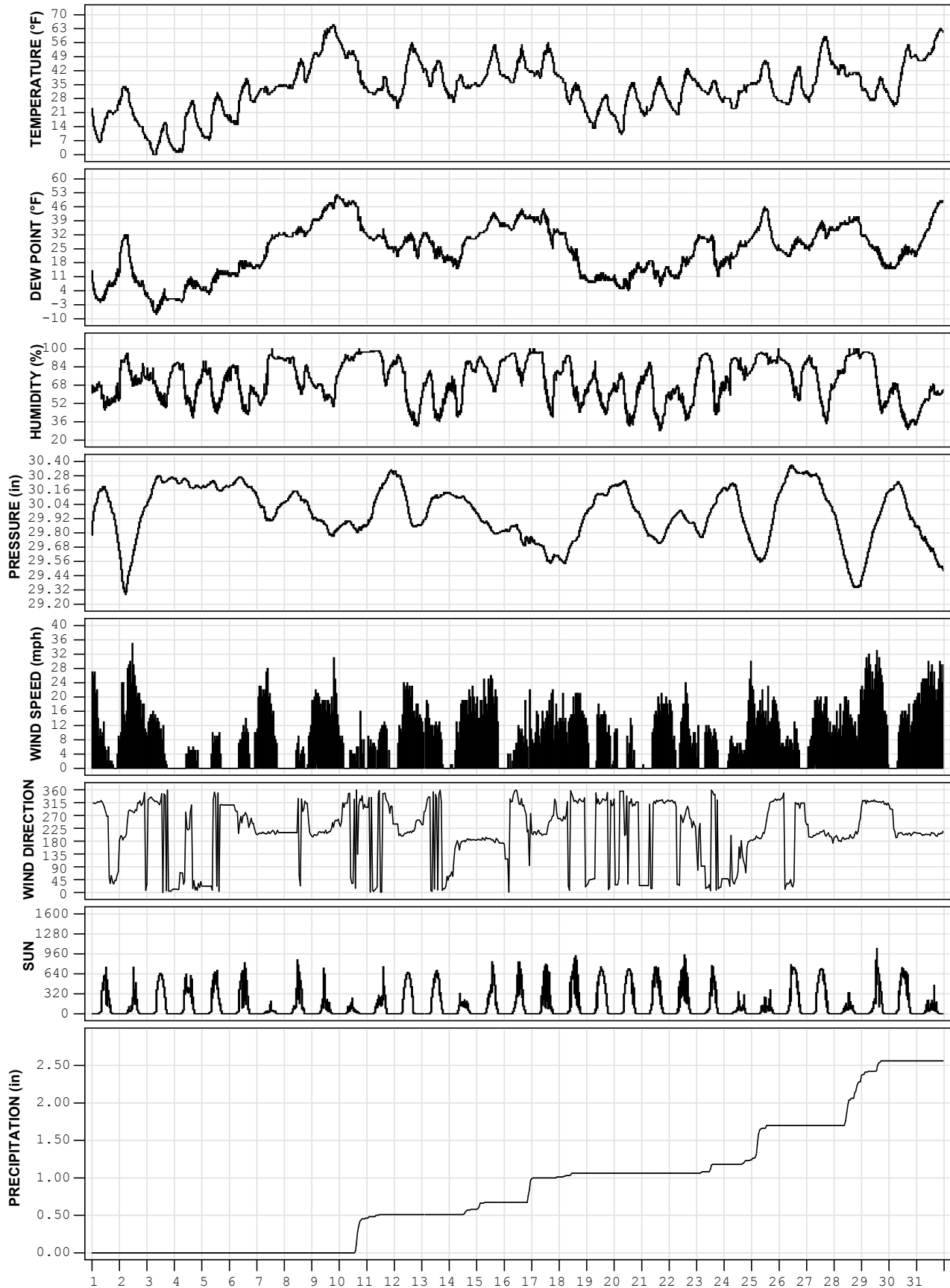
HOURLY PRECIPITATION (Water Equivalent) March 2016: Westford

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																									02
03																									03
04																									04
05																									05
06																									06
07																									07
08																									08
09																									09
10														0.02	0.10	0.16	0.08	0.06	0.02	0.01			0.01		10
11		0.02						0.02			0.01														11
12																									12
13																									13
14													0.01	0.02	0.02	0.01			0.01						14
15	0.01	0.02	0.05				0.01																		15
16																					0.09	0.08	0.13	0.02	16
17	0.01																					0.01			17
18				0.01		0.01				0.01	0.02														18
19																									19
20																									20
21																									21
22																									22
23				0.01	0.01							0.04	0.05	0.01											23
24																									24
25	0.02		0.01	0.04	0.13	0.14	0.06	0.01	0.01				0.04		0.01	0.01	0.02	0.01					0.01		25
26																									26
27																									27
28										0.06	0.11	0.11	0.06	0.07	0.02	0.03	0.01	0.02	0.07	0.03	0.07	0.04	0.01	0.09	28
29	0.01		0.03			0.01							0.01	0.07	0.03	0.01	0.02								29
30																									30
31																									31
Sum	0.05	0.04	0.09	0.06	0.14	0.16	0.07	0.03	0.01	0.07	0.14	0.15	0.17	0.12	0.17	0.19	0.11	0.15	0.07	0.08	0.13	0.10	0.15	0.11	Sum

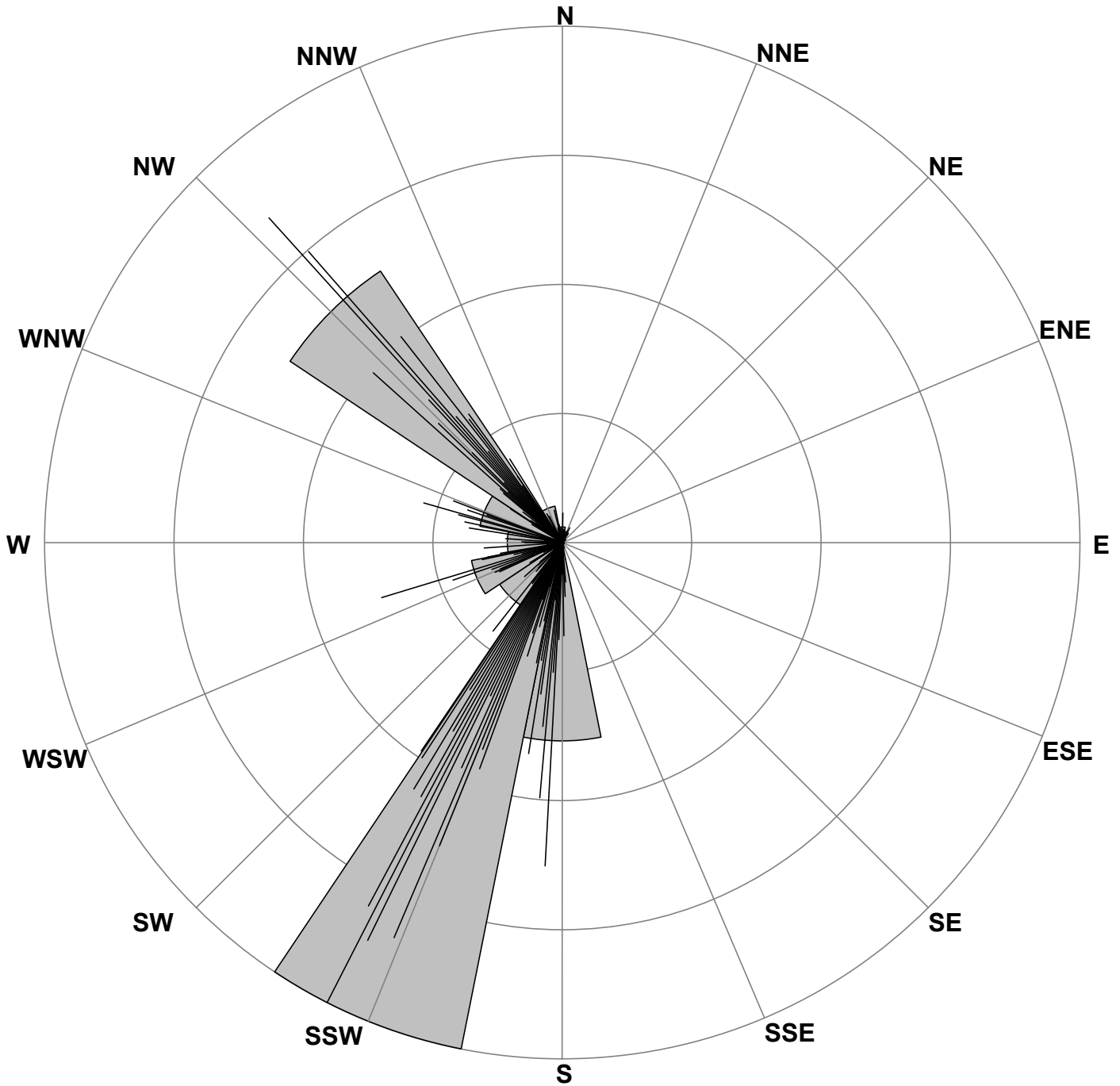
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

HOUR-BY-HOUR DATA

March 2016: Westford



**Wind Rose: March 2016
Westford**



**Maximum direction of wind: 74.9 miles from 207°
Maximum sector of wind: 705.8 miles from SSW
1934.6 total miles of wind**