

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

October 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
1	2	3	4A	4B	5	6	7	8	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
1	56.3	47.8	52.0	51.7	49	90	13	0	.....	0	0.01	0.0	30.34	30.12	30.249	0.1	0.1	86	7	N	3	25	59
2	57.8	51.4	54.6	54.4	52	92	10	0	.....	0	0.03	0.0	30.13	29.93	30.019	1.5	1.5	211	14	SW	7	212	48
3	58.8	50.6	54.7	55.7	55	96	10	0	.....	0	0.06	0.0	30.15	29.91	30.006	0.3	0.2	246	8	SSW	5	265	38
4	67.3	47.6	57.5	56.3	54	92	7	0	.....	0	0.02	0.0	30.31	30.15	30.259	0.3	0.3	209	9	SSW	5	210	88
5	70.9	44.7	57.8	55.0	51	88	7	0	.....	0	0.00	0.0	30.34	30.21	30.275	0.2	0.2	216	8	SSW	5	208	107
6	73.5	45.1	59.3	55.8	50	83	5	0	.....	0	0.00	0.0	30.27	30.20	30.235	0.5	0.5	210	13	SSW	7	221	143
7	75.5	44.1	59.8	58.2	51	80	5	0	.....	0	0.00	0.0	30.26	30.07	30.182	0.5	0.5	219	12	SW	7	211	141
8	66.9	49.7	58.3	60.3	49	68	6	0	.....	0	0.00	0.0	30.07	29.88	29.965	3.4	3.3	214	22	SSW	10	209	55
9	54.3	42.6	48.4	48.0	44	86	16	0	.....	0	0.00	0.0	30.17	29.97	30.082	0.5	0.4	353	14	NNE	5	30	51
10	51.6	32.0	41.8	40.7	34	78	23	0	.....	0	0.00	0.0	30.37	30.15	30.271	0.4	0.3	6	18	WNW	7	297	111
11	66.7	31.2	48.9	45.7	36	73	16	0	.....	0	0.00	0.0	30.45	30.30	30.379	0.1	0.1	226	10	SSW	4	276	132
12	69.9	48.3	59.1	56.9	40	56	6	0	.....	0	0.00	0.0	30.30	30.02	30.179	2.5	2.5	208	24	S	10	205	130
13	59.0	40.2	49.6	50.9	47	86	15	0	.....	0	0.19	0.0	30.19	29.86	29.973	3.7	3.0	222	27	S	10	210	34
14	53.2	30.5	41.9	40.3	33	78	23	0	.....	0	0.00	0.0	30.39	30.19	30.324	0.1	0.1	34	10	ESE	4	46	128
15	60.1	26.6*	43.3	43.4	34	72	21	0	.....	0	0.01	0.0	30.40	30.14	30.296	1.9	1.9	211	23	S	11	215	116
16	62.0	49.8	55.9	56.3	48	74	9	0	.....	0	0.10	0.0	30.14	29.81	29.929	5.7	5.7	209	24	SSW	14	213	53
17	64.5	49.7	57.1	55.4	52	90	7	0	.....	0	0.00	0.0	29.92	29.81	29.861	0.3	0.2	302	9	NW	6	303	104
18	76.8*	51.7	64.3*	66.3	59	79	0	0	.....	0	0.09	0.0	29.82	29.53	29.672	3.1	3.0	212	27	SSW	15	211	109
19	67.1	41.6	54.3	56.5	50	80	10	0	.....	0	0.00	0.0	30.14	29.62	29.913	1.8	1.7	289	22	WNW	10	298	94
20	53.2	39.2	46.2	47.8	46	92	19	0	.....	0	0.21	0.0	30.18	29.91	30.094	0.3	0.3	189	13	W	6	200	21
21	59.0	45.8	52.4	51.7	51	96	12	0	.....	0	0.53	0.0	29.91	29.52	29.689	0.8	0.4	291	13	NW	8	306	36
22	45.8	32.2	39.0	40.9	40	98	26	0	.....	0	0.77	0.0	29.52	29.27	29.366	3.1	3.0	302	27	NW	12	295	23
23	46.9	32.2	39.6	38.8	33	80	25	0	.....	0	0.71	2.0	29.71	29.32	29.534	5.5	5.4	272	29	W	15	286	43
24	42.7	35.8	39.3	40.2	32	71	25	0	.....	0	0.00	0.0	29.98	29.67	29.817	4.7	4.7	298	27	WNW	17	291	38
25	39.1	33.7	36.4	35.7	28	74	28	0	.....	0	T	T	30.25	29.98	30.095	5.5	5.4	297	22	WNW	13	296	38
26	35.1	27.8	31.4*	32.0	29	87	33	0	.....	0	0.04	T	30.46	30.25	30.378	0.1	0.1	325	13	NW	5	342	27
27	40.1	27.5	33.8	33.8	30	86	31	0	.....	0	0.17	T	30.47	30.07	30.325	0.4	0.4	166	15	S	8	175	46
28	41.1	36.2	38.6	37.9	37	95	26	0	.....	0	0.14	0.0	30.17	30.03	30.090	1.0	0.3	276	16	S	9	202	26
29	48.2	35.0	41.6	39.8	38	93	23	0	.....	0	0.25	0.0	30.15	29.70	29.888	3.9	3.8	203	22	SSW	12	208	7
30	46.4	35.8	41.1	40.1	38	92	24	0	.....	0	0.02	0.0	30.00	29.77	29.896	0.8	0.7	319	19	NW	8	300	21
31	37.6	32.3	34.9	35.3	33	90	30	0	.....	0	0.04	0.0	30.30	29.99	30.165	0.8	0.7	324	15	NNW	7	292	20
Sum	Sum				---	--	Ttl	Ttl					Total	Total	For the month:					---				
1747	1239						511	0	Number of Days				3.39	2.0	30.47	29.27	30.045	1.7	1.2	248	29	W	17	291
Avg	Avg	Avg	Mean	Avg	Avg	Avg	--	--	Precip				Season Ttl	Date	Date			--	--	---	Date	Date	Avg	
56.4	40.0	48.2	47.8	43	83.8	--	--	--	≥.01 inch	18			31.95	2.0	27	22		--	--	---	23	24	67	
Number of Days							Season to Date	Snow, Ice ≥1.0 inch	1	Greatest in 24 Hours and Dates					Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date									
Max Temperature			Min Temperature			685	448	Thunder	1	Precipitation		Snow, Ice Plts												
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	--	--	--	--	Heavy Fog	2	1.09	22-23	2.0	23	0					-					
0	0	9	0	--	--	--	--	Clear	5	Partly Cloudy		5	Cloudy		20									

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

October 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						
OCT 01									OCT 02									OCT 03									
01	0	30.33	0.00	49	48	96	01	0	0	0	30.13	0.00	53	49	86	17	0	7	0	29.92	0.00	54	53	97	21	0	7
04	0	30.30	0.00	48	47	95	01	0	0	0	30.09	0.00	52	49	90	17	0	0	0	29.92	0.00	55	54	97	21	3	6
07	0	30.29	0.00	50	47	89	12	0	0	0	30.06	0.00	53	49	88	20	2	6	0	29.94	0.00	55	55	97	21	0	0
10	141	30.29	0.00	51	48	89	12	0	0	97	30.05	0.00	55	51	88	21	2	9	46	29.98	0.00	57	56	97	21	0	0
13	137	30.26	0.00	56	50	80	11	0	4	227	30.01	0.00	57	55	95	21	6	14	88	30.01	0.00	58	56	95	30	0	0
16	105	30.22	0.00	54	52	91	02	0	6	46	29.97	0.00	55	54	94	23	2	12	51	30.03	0.00	57	55	93	05	0	0
19	0	30.18	0.00	52	50	94	06	0	0	0	29.95	0.00	55	54	96	20	3	9	0	30.08	0.00	56	55	97	02	0	2
22	0	30.15	0.00	52	50	93	07	0	0	0	29.94	0.00	55	54	96	21	2	9	0	30.13	0.00	54	54	97	02	0	0
OCT 04									OCT 05									OCT 06									
01	0	30.16	0.00	53	52	98	02	0	0	0	30.31	0.00	49	48	97	20	0	0	0	30.22	0.00	48	47	97	19	0	0
04	0	30.19	0.00	54	54	98	02	0	0	0	30.29	0.00	46	45	98	20	0	0	0	30.22	0.00	47	46	98	19	0	0
07	0	30.25	0.00	55	54	98	21	0	6	0	30.32	0.00	50	50	98	20	0	0	0	30.25	0.00	47	46	98	19	0	0
10	211	30.30	0.00	56	55	96	20	0	6	432	30.34	0.00	56	55	95	20	1	7	367	30.25	0.00	60	52	77	21	3	12
13	213	30.31	0.00	61	56	85	17	0	7	302	30.29	0.00	67	56	69	29	0	0	540	30.23	0.00	70	55	60	19	0	6
16	67	30.27	0.00	66	57	71	20	0	4	387	30.23	0.00	67	56	68	19	0	0	295	30.22	0.00	73	53	49	29	0	1
19	0	30.27	0.00	58	56	94	20	0	0	0	30.21	0.00	53	51	92	19	0	0	0	30.24	0.00	54	51	89	21	0	0
22	0	30.30	0.00	51	50	96	20	0	2	0	30.22	0.00	48	47	96	19	0	0	0	30.27	0.00	50	49	96	21	0	0
OCT 07									OCT 08									OCT 09									
01	0	30.25	0.00	48	47	97	21	0	0	0	30.04	0.00	59	52	78	21	3	8	0	29.97	0.00	46	44	93	31	0	0
04	0	30.25	0.00	46	45	97	21	0	0	0	30.01	0.00	62	53	74	18	2	9	0	29.99	0.00	49	48	96	31	0	0
07	0	30.26	0.00	44	44	97	21	0	0	7	30.00	0.00	61	49	65	21	5	22	0	30.06	0.00	49	46	90	29	0	5
10	360	30.23	0.00	58	58	98	21	0	6	144	29.99	0.00	62	46	57	23	1	13	130	30.09	0.00	50	46	86	03	2	9
13	522	30.19	0.00	73	56	56	22	0	7	304	29.91	0.00	67	45	45	19	4	18	265	30.09	0.00	53	45	73	31	0	8
16	290	30.12	0.00	75	56	52	22	3	10	91	29.89	0.00	63	49	60	21	7	16	46	30.11	0.00	50	43	77	35	2	6
19	0	30.10	0.00	59	52	78	20	0	0	0	29.92	0.00	58	54	85	20	3	10	0	30.14	0.00	46	42	87	36	0	0
22	0	30.08	0.00	61	52	74	21	2	8	0	29.98	0.00	53	49	88	31	0	0	0	30.16	0.00	45	40	83	02	0	5
OCT 10									OCT 11									OCT 12									
01	0	30.15	0.00	42	37	84	00	0	12	0	30.39	0.00	33	31	94	02	0	0	0	30.29	0.00	50	39	66	21	1	8
04	0	30.17	0.00	37	33	86	33	0	15	0	30.41	0.00	32	31	96	02	0	0	0	30.27	0.00	51	39	62	19	0	14
07	0	30.24	0.00	32	30	92	05	0	0	0	30.43	0.00	32	31	96	02	0	0	0	30.25	0.00	49	40	72	18	0	5
10	151	30.28	0.00	39	33	80	32	0	7	348	30.45	0.00	50	40	68	16	0	0	214	30.24	0.00	55	43	63	19	3	12
13	216	30.30	0.00	46	35	65	03	0	11	506	30.40	0.00	60	40	47	06	0	0	506	30.17	0.00	66	37	35	21	4	15
16	262	30.30	0.00	50	36	57	29	0	14	269	30.35	0.00	67	28	23	22	0	0	265	30.10	0.00	68	36	30	21	6	19
19	0	30.33	0.00	38	33	81	02	0	0	0	30.32	0.00	45	40	82	22	0	0	0	30.08	0.00	58	43	58	19	2	8
22	0	30.37	0.00	38	33	83	02	0	0	0	30.31	0.00	45	39	80	22	0	0	0	30.06	0.00	54	44	67	19	3	10
OCT 13									OCT 14									OCT 15									
01	0	30.02	0.00	54	47	76	21	4	16	0	30.20	0.00	41	37	88	02	0	5	0	30.37	0.00	30	29	95	04	0	0
04	0	29.95	0.00	52	47	83	21	7	20	0	30.25	0.00	39	36	89	03	0	0	0	30.37	0.00	28	27	96	04	0	0
07	5	29.91	0.00	51	48	87	20	6	20	0	30.31	0.00	34	32	94	02	0	0	0	30.40	0.00	27	26	96	04	0	0
10	171	29.87	0.00	56	49	80	20	3	27	343	30.39	0.00	43	35	75	02	0	0	304	30.38	0.00	47	41	81	22	0	6
13	51	29.87	0.00	54	51	92	21	4	15	499	30.36	0.00	51	31	46	10	0	6	471	30.31	0.00	57	37	48	19	8	23
16	21	29.91	0.00	54	53	96	21	2	9	260	30.34	0.00	53	32	45	34	0	0	244	30.23	0.00	60	37	42	22	6	18
19	0	30.06	0.00	47	44	91	30	6	13	0	30.34	0.00	35	31	87	04	0	0	0	30.19	0.00	49	36	63	20	1	6
22	0	30.15	0.00	43	39	85	32	1	9	0	30.37	0.00	31	29	94	04	0	0	0	30.16	0.00	49	38	66	19	0	12
OCT 16									OCT 17									OCT 18									
01	0	30.12	0.00	51	40	66	21	6	16	0	29.85	0.00	57	55	96	21	0	4	0	29.81	0.00	52	50	94	09	0	0
04	0	30.06	0.00	50	42	73	20	1	11	0	29.85	0.00	51	50	97	21	0	0	0	29.78	0.00	57	54	90	22	3	7
07	0	30.01	0.00	51	42	71	20	7	20	0	29.88	0.00	55	54	98	21	0	0	0	29.75	0.00	60	58	92	20	1	8
10	181	29.94	0.00	56	46	71	20	7	22	181	29.92	0.00	54	53	97	02	0	0	169	29.72	0.00	68	61	79	21	2	20
13	139	29.88	0.00	60	49	67	20	7	18	468	29.90	0.00	61	53	75	30	2	7	436	29.63	0.00	75	62	63	19	5	22
16	26	29.85	0.00	61	52	73	19	3	16	229	29.84	0.00	63	53	71	29	0	6	195	29.54	0.00	76	62	61	20	3	16
19	0	29.81	0.00	61	54	78	20	5	13	0	29.86	0.00	50	47	92	29	0	0	0	29.54	0.00	72	60	66	19	3	13
22	0	29.82	0.00	59	55	89	21	4	10	0	29.82	0.00	52	51	94	09	0	0	0	29.60	0.00	65	62	88	21	0	5

MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.07	0.08	0.10	0.12	0.13	0.15	0.16	0.17	0.18	0.19	0.23	0.26
Ended: Date	21	21	21	21	21	21	21	21	21	23	23	23
Ended: Time	0011	0011	0017	0024	0023	0038	0024	0038	0057	0237	0310	0336

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

October 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								
OCT 19										OCT 20										OCT 21									
01	0	29.65	0.00	64	62	92	25	4	11	0	30.14	0.00	41	40	95	02	0	0	0	29.87	0.00	51	50	96	17	0	5		
04	0	29.73	0.00	61	57	89	00	0	6	0	30.13	0.00	41	39	96	02	0	0	0	29.80	0.04	53	52	97	17	1	5		
07	0	29.83	0.00	51	48	89	30	0	0	0	30.16	0.00	44	43	97	02	0	0	0	29.73	0.00	56	55	97	20	3	8		
10	97	29.91	0.00	59	51	74	28	2	8	77	30.14	0.00	51	48	88	20	0	0	33	29.69	0.00	59	57	93	19	0	1		
13	462	29.93	0.00	65	52	64	31	5	15	76	30.15	0.00	52	49	88	20	0	0	214	29.66	0.00	54	52	92	30	1	10		
16	221	29.99	0.00	65	48	55	32	2	9	42	30.09	0.04	51	49	93	09	0	0	23	29.64	0.00	49	48	97	05	0	6		
19	0	30.06	0.00	50	44	81	02	0	0	0	30.02	0.00	50	49	95	12	0	0	0	29.60	0.00	48	47	98	00	0	5		
22	0	30.11	0.00	43	41	93	02	0	0	0	29.96	0.00	51	49	93	20	1	6	0	29.56	0.00	47	46	98	03	0	3		
OCT 22										OCT 23										OCT 24									
01	0	29.50	0.00	46	45	98	30	0	7	0	29.34	0.10	33	32	97	28	0	1	0	29.68	0.00	41	34	76	22	0	1		
04	0	29.45	0.00	45	44	98	02	1	4	0	29.39	0.06	35	34	95	29	12	20	0	29.70	0.00	41	35	78	26	1	9		
07	0	29.42	0.04	43	43	98	31	3	14	0	29.44	0.00	35	33	91	25	8	18	0	29.75	0.00	40	32	74	32	7	15		
10	56	29.39	0.00	43	43	98	29	7	12	30	29.52	0.00	36	32	86	25	10	24	190	29.80	0.00	42	33	70	32	7	13		
13	97	29.31	0.00	43	42	98	32	1	10	81	29.56	0.04	38	32	80	28	3	20	155	29.82	0.00	42	32	68	30	10	24		
16	25	29.29	0.04	41	40	97	31	2	13	206	29.60	0.05	47	34	60	26	5	18	18	29.86	0.00	40	31	70	29	6	11		
19	0	29.30	0.11	36	35	96	28	3	14	0	29.67	0.00	42	30	63	25	5	12	0	29.92	0.00	40	30	68	28	3	16		
22	0	29.31	0.00	33	33	97	29	3	12	0	29.71	0.00	43	35	73	26	3	12	0	29.97	0.00	37	27	68	31	8	16		
OCT 25										OCT 26										OCT 27									
01	0	29.98	0.00	35	27	72	29	4	15	0	30.26	0.00	34	29	81	01	2	10	0	30.47	0.00	30	28	92	05	0	0		
04	0	30.00	0.00	35	26	72	28	6	18	0	30.29	0.00	33	29	87	31	2	9	0	30.44	0.00	29	27	92	05	0	0		
07	0	30.03	0.00	34	26	73	29	6	15	0	30.33	0.00	32	29	90	01	0	0	0	30.42	0.00	28	25	91	05	0	0		
10	90	30.07	0.00	35	28	75	29	6	18	42	30.40	0.00	31	30	95	31	0	5	153	30.41	0.00	33	29	83	18	0	0		
13	128	30.09	0.00	37	28	69	30	5	18	137	30.39	0.00	33	29	85	31	0	1	236	30.34	0.00	40	31	71	19	0	7		
16	69	30.13	0.00	38	30	73	30	7	21	19	30.42	0.00	33	28	81	31	0	0	25	30.25	0.00	37	32	81	15	0	0		
19	0	30.19	0.00	37	29	73	28	7	18	0	30.45	0.00	31	28	86	01	0	0	0	30.20	0.05	36	34	94	16	1	6		
22	0	30.23	0.00	36	31	82	30	4	13	0	30.45	0.00	28	26	91	05	0	0	0	30.12	0.00	37	35	90	15	6	12		
OCT 28										OCT 29										OCT 30									
01	0	30.05	0.00	38	35	90	18	2	11	0	30.14	0.00	36	35	96	29	0	0	0	29.80	0.00	44	43	96	01	0	6		
04	0	30.03	0.00	37	35	94	19	0	0	0	30.10	0.00	35	34	95	29	0	0	0	29.84	0.00	42	40	92	32	3	13		
07	0	30.05	0.00	37	36	96	19	0	0	0	29.99	0.06	36	35	96	19	3	11	0	29.88	0.00	40	38	92	32	0	0		
10	95	30.08	0.00	38	37	96	04	0	4	14	29.92	0.05	37	36	96	17	5	14	91	29.90	0.00	40	39	96	36	0	0		
13	62	30.08	0.00	41	39	95	33	1	6	18	29.82	0.00	38	36	93	19	6	14	74	29.90	0.00	41	38	92	29	1	7		
16	25	30.11	0.00	38	37	97	33	2	7	35	29.73	0.00	42	39	90	18	4	18	25	29.90	0.00	40	37	88	01	0	0		
19	0	30.15	0.00	38	37	97	32	0	9	0	29.72	0.00	45	42	90	21	6	12	0	29.94	0.00	39	36	89	35	0	7		
22	0	30.14	0.00	37	36	97	30	0	0	0	29.74	0.00	48	45	92	20	4	9	0	29.98	0.00	38	34	87	33	1	7		
OCT 31																													
01	0	30.00	0.00	36	34	95	31	0	5																				
04	0	30.03	0.00	36	35	96	30	1	10																				
07	0	30.10	0.00	35	34	95	31	0	0																				
10	40	30.16	0.00	36	34	91	01	1	8																				
13	70	30.19	0.00	37	33	87	03	0	6																				
16	26	30.23	0.00	36	32	85	01	0	0																				
19	0	30.25	0.00	34	30	85	04	0	0																				
22	0	30.29	0.00	33	29	85	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	30.047	45	42	89	0.9	23	0.6
04	0	30.042	44	42	90	1.4	26	0.9
07	0	30.056	44	41	90	1.7	24	1.1
10	161	30.068	49	44	84	2.0	25	1.3
13	248	30.043	53	44	73	2.4	24	1.6
16	126	30.024	54	43	72	2.0	25	1.4
19	0	30.035	47	43	85	1.6	25	1.2
22	0	30.047	46	42	87	1.4	25	0.7

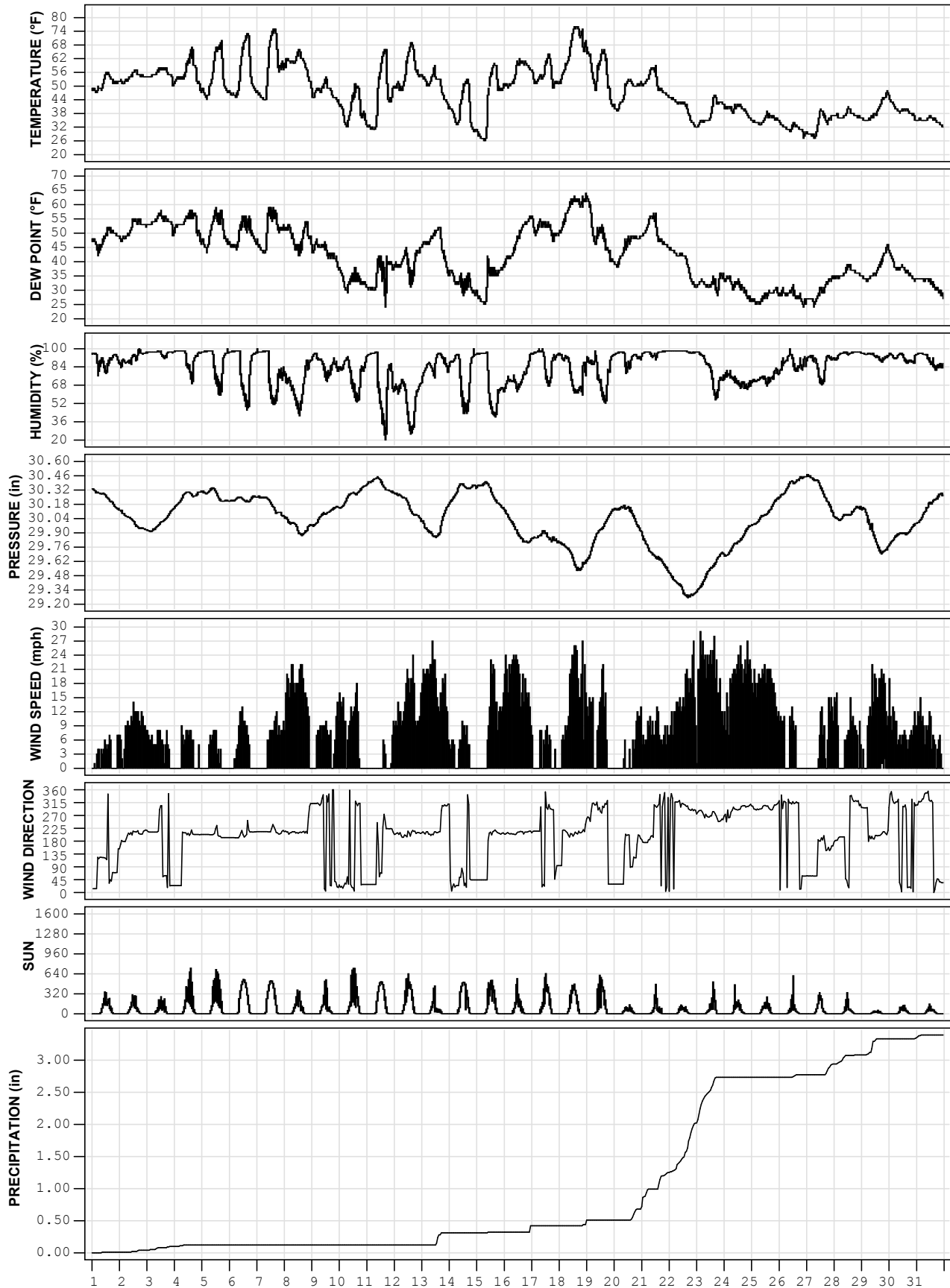
HOURLY PRECIPITATION (Water Equivalent) October 2016: Westford

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								0.01																01	
02										0.01														02	
03			0.01					0.01	0.01						0.01	0.01								03	
04					0.01			0.01												0.01				04	
05																								05	
06																								06	
07																								07	
08																								08	
09																								09	
10																								10	
11																								11	
12													0.03	0.09	0.04		0.03							12	
13																								13	
14																								14	
15									0.01															15	
16																							0.10	16	
17																								17	
18																					0.02			0.07	18
19																									19
20															0.01	0.03	0.05	0.04	0.03	0.01				0.04	20
21	0.14	0.01	0.01	0.05	0.05	0.01	0.06	0.02	0.02	0.02	0.03	0.02	0.01	0.07	0.09	0.06	0.05	0.01		0.01	0.01	0.02	0.01		21
22	0.01		0.01	0.01	0.01	0.02	0.06	0.02	0.02	0.02	0.02	0.02	0.01	0.07	0.02	0.05	0.11	0.05	0.08	0.06	0.05	0.03	0.01		22
23	0.05	0.09	0.08	0.07	0.05	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.04	0.04	0.06	0.05	0.01								23
24																									24
25																									25
26												0.01	0.01	0.01	0.01										26
27																									27
28			0.01	0.01	0.01	0.01	0.02	0.03	0.02	0.02					0.02	0.04	0.04	0.02	0.03	0.01	0.01				28
29				0.01	0.01	0.01	0.02	0.03	0.02	0.02						0.01									29
30							0.02	0.06	0.11			0.02	0.02										0.01	0.01	30
31	0.01	0.02		0.01																					31
Sum	0.21	0.12	0.12	0.15	0.14	0.09	0.13	0.09	0.14	0.19	0.06	0.07	0.11	0.21	0.23	0.20	0.28	0.16	0.15	0.11	0.11	0.06	0.14	0.12	Sum

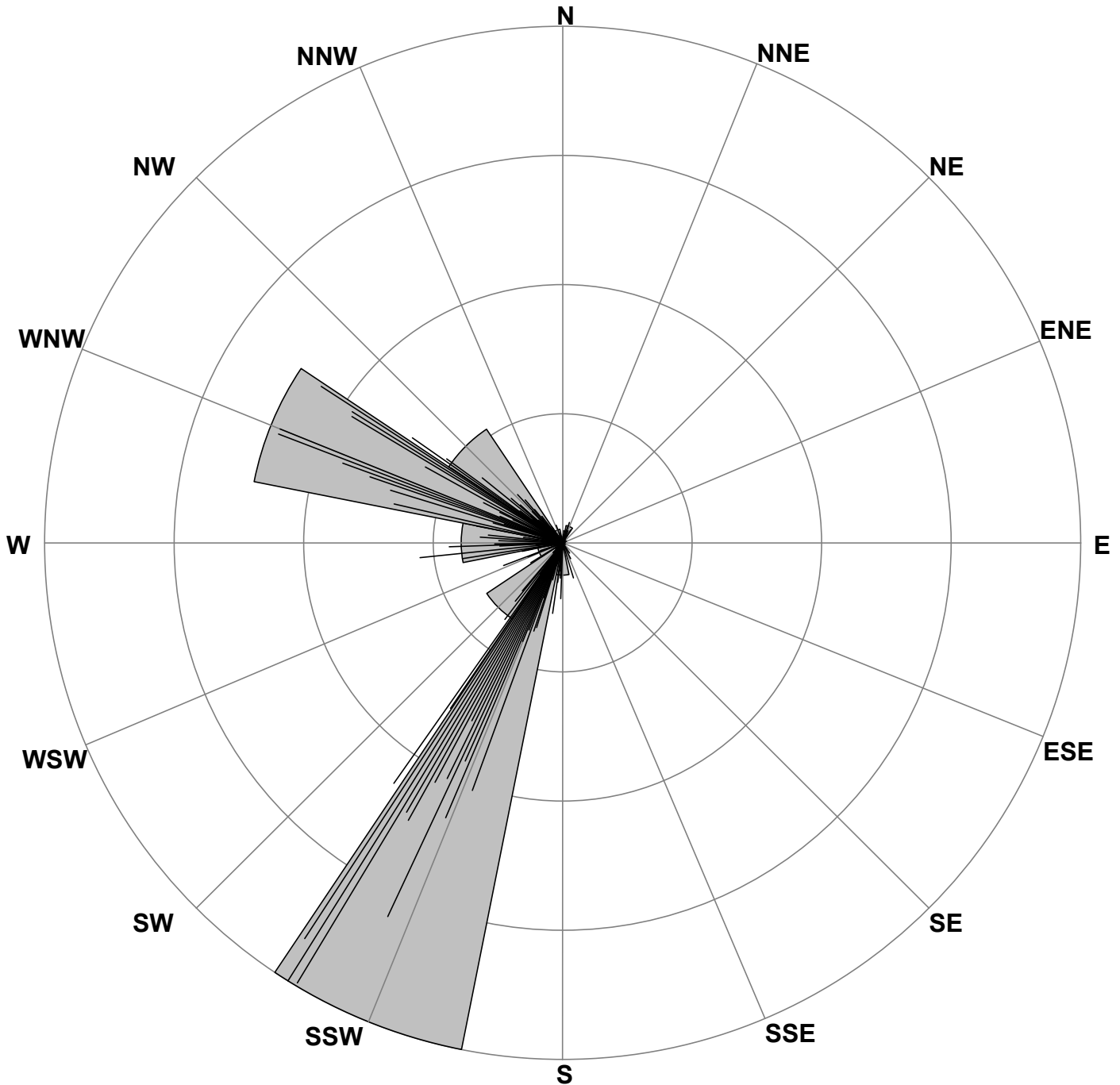
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

HOUR-BY-HOUR DATA

October 2016: Westford



**Wind Rose: October 2016
Westford**



**Maximum direction of wind: 58.7 miles from 212°
Maximum sector of wind: 525.9 miles from SSW
1288.2 total miles of wind**