

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

December 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 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			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	46.8	23.1	34.9	34.7	30	84	30	0	.....	0	0.01	T	30.52	29.83	30.120	3.0	1.8	274	26	NW	12	314	21
2	29.2	8.7	19.0	18.3	13	79	46	0	.....	T	0.02	0.6	30.73	30.27	30.578	1.0	0.4	213	21	SSE	11	327	63
3	38.7	28.6	33.7	33.8	31	90	31	0	.....	0	0.12	T	30.27	29.78	29.953	4.2	3.7	229	27	W	14	274	12
4	32.6	8.7	20.6	23.1	13	65	44	0	.....	T	0.01	0.1	30.56	29.98	30.309	2.5	2.3	297	29	WSW	17	273	70
5	31.4	7.0	19.2	21.0	14	76	46	0	.....	0	T	T	30.62	30.31	30.516	0.3	0.3	193	12	S	5	200	53
6	33.3	27.7	30.5	31.4	30	94	34	0	.2.....	1	0.19	0.6	30.38	30.16	30.248	0.3	0.2	338	12	N	4	23	9	
7	27.8	3.8	15.8	14.0	9	79	49	0	.....	1	0.00	0.0	30.78	30.37	30.648	0.8	0.8	4	15	WNW	7	24	80
8	26.1	2.6	14.4	14.4	7	73	50	0	.....	1	0.00	0.0	30.75	30.42	30.627	1.1	1.1	198	18	S	8	206	50
9	33.1	26.1	29.6	30.7	28	91	35	0	.....6...	2	0.47	0.6	30.43	29.82	30.158	0.6	0.0	184	17	NNW	6	197	11
10	32.0	27.7	29.9	29.7	29	97	35	0	.....6...	11	0.96	8.6	29.82	29.47	29.647	0.0	0.0	0	0	NNW	0	336	2
11	30.5	27.9	29.2	28.8	28	96	35	0	.....	14	0.24	2.4	29.64	29.46	29.531	0.0	0.0	0	0	N	0	355	6
12	27.5	24.2	25.9	25.8	25	95	39	0	.....	16	0.26	2.9	29.94	29.88	29.915	0.0	0.0	0	0	WNW	0	0	1
13	30.0	19.0	24.5	24.8	23	95	40	0	.....	15	0.03	0.4	29.94	29.85	29.895	0.0	0.0	0	0	W	0	269	5
14	32.5	20.5	26.5	28.2	27	95	38	0	.....	14	T	T	29.98	29.83	29.890	0.0	0.0	210	6	SSW	1	210	3
15	29.6	25.2	27.4	27.1	26	95	37	0	.....	14	T	T	30.11	29.98	30.063	0.0	0.0	210	5	SSW	1	210	2
16	34.9	24.7	29.8	30.8	30	95	35	0	.....	11	0.00	0.0	30.08	29.83	29.966	0.5	0.5	196	9	SE	4	199	3
17	37.9	32.9	35.4	35.3	35	98	29	0	.....	8	0.16	0.0	29.83	29.70	29.751	0.5	0.5	217	11	W	5	235	14
18	32.9	24.5	28.7	29.7	29	96	36	0	.....6...	9	0.19	1.5	29.90	29.70	29.806	1.7	1.6	311	19	WNW	10	306	2
19	24.6	9.6	17.1	20.3	19	93	47	0	.....6...	9	0.02	T	30.21	29.90	30.049	0.2	0.1	320	11	NNW	4	305	16
20	24.5	6.4	15.5	13.6	11	91	49	0	.....	9	0.00	0.0	30.32	30.21	30.282	0.0	0.0	0	0	NNE	0	24	73
21	23.0	10.1	16.6	18.9	18	94	48	0	.....	9	T	T	30.37	30.30	30.336	0.0	0.0	0	0	E	0	94	24
22	29.4	20.9	25.1	24.1	23	94	40	0	.....	9	0.00	0.0	30.37	30.22	30.313	0.0	0.0	0	0	E	0	94	36
23	38.6	26.7	32.6	34.8	33	95	32	0	.....	7	0.27	T	30.23	30.06	30.150	0.6	0.6	197	11	S	5	195	15
24	43.6	37.5	40.5	40.6	39	95	24	0	.....	3	0.38	0.0	30.06	29.38	29.755	2.8	2.8	194	18	S	9	193	13
25	52.3*	37.4	44.9*	42.5	36	80	20	0	.....	T	0.19	0.0	29.91	29.25	29.530	6.2	5.8	252	35	W	21	286	18
26	39.9	30.2	35.1	37.1	30	76	30	0	.....	T	0.00	0.0	30.11	29.91	30.045	2.6	2.5	256	20	W	11	284	28
27	44.3	35.0	39.6	38.8	33	80	25	0	.....	T	T	0.0	30.14	29.79	30.034	2.6	2.6	206	29	S	15	206	15
28	44.8	26.7	35.8	38.2	31	77	29	0	.....	0	0.05	T	29.96	29.67	29.796	4.1	3.1	243	24	S	14	289	36
29	31.0	13.1	22.1	21.8	13	69	43	0	.....	1	0.06	1.6	30.25	29.93	30.114	1.9	1.8	311	22	WNW	12	312	62
30	15.2	4.5	9.8*	9.8	1	66	55	0	.....	1	0.00	0.0	30.39	30.25	30.325	1.0	0.9	311	19	WNW	10	306	69
31	20.0	4.5	12.3	13.5	6	72	52	0	.....	1	0.02	0.2	30.27	29.92	30.152	2.2	1.7	240	22	SSW	12	216	37
Sum	Sum	-----	-----	---	----		Ttl	Ttl					For the month:										---	
1018	626						1183	0	Number of Days	3.65	19.5	30.78	29.25	30.081	1.3	0.9	248	35	W	21	286			
Avg	Avg	Avg	Mean	Avg	Avg		----	----	Precip	Season Ttl	Date	Date	-----	----	----	---	Date	Date	Avg					
32.8	20.2	26.5	27.0	23	86.3	----	----	----	≥.01 inch	19	43.28	31.6	7	25	-----	----	----	---	25	25	27			
Number of Days							Season to Date	Snow, Ice ≥1.0 inch	5	Greatest in 24 Hours and Dates					Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date									
Max Temperature			Min Temperature			2811	301	Thunder	0	Precipitation		Snow, Ice Plts												
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	----	----	Heavy Fog	1	0.00	-	8.6	10	16			12							
0	16	27	0	----	----	----	----	Clear	3	Partly Cloudy		6	Cloudy		22									

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 December 2014: 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
DEC 01									DEC 02									DEC 03									
01	0	29.83	0.00	43	39	88	20	4	12	0	30.56	0.00	19	13	75	34	0	12	0	30.22	0.00	29	26	87	19	2	11
04	0	29.85	0.00	46	42	86	22	2	10	0	30.65	0.00	12	5	74	32	0	5	0	30.10	0.00	30	28	92	23	0	7
07	0	29.95	0.00	42	40	93	28	1	6	0	30.70	0.00	9	6	85	33	0	0	0	30.00	0.00	32	31	95	21	3	13
10	118	30.08	0.00	35	32	90	31	5	17	202	30.72	0.00	16	9	74	03	0	0	47	29.92	0.00	36	35	96	20	7	14
13	51	30.13	0.00	33	29	87	31	3	14	211	30.64	0.00	21	12	68	33	0	0	100	29.82	0.00	37	36	97	21	7	13
16	0	30.24	0.00	30	23	77	33	6	14	7	30.55	0.00	20	13	74	36	0	0	0	29.79	0.00	37	35	96	24	4	9
19	0	30.33	0.00	28	21	76	00	0	0	0	30.48	0.00	19	16	87	25	0	0	0	29.88	0.00	35	32	89	28	1	8
22	0	30.43	0.00	28	21	76	31	3	20	0	30.37	0.00	27	25	91	19	5	14	0	29.95	0.00	33	25	73	24	4	22
DEC 04									DEC 05									DEC 06									
01	0	30.00	0.00	32	24	71	28	8	22	0	30.57	0.00	8	5	85	06	0	0	0	30.31	0.00	31	28	88	21	1	8
04	0	30.06	0.00	32	23	69	26	3	13	0	30.59	0.00	8	6	89	06	0	0	0	30.27	0.00	32	29	91	20	0	3
07	0	30.20	0.00	26	21	80	32	10	19	0	30.61	0.00	8	6	89	06	0	0	0	30.22	0.00	33	30	89	20	0	0
10	271	30.33	0.00	26	11	53	30	2	15	204	30.61	0.00	21	13	72	08	0	0	37	30.21	0.00	33	32	94	20	0	0
13	348	30.35	0.00	25	7	46	29	3	15	225	30.53	0.00	29	17	61	16	0	6	32	30.17	0.00	33	32	96	20	0	0
16	9	30.41	0.00	22	9	57	36	0	1	5	30.47	0.00	30	18	59	16	0	1	0	30.19	0.00	32	31	97	31	0	5
19	0	30.48	0.00	15	7	68	04	0	4	0	30.44	0.00	30	22	71	20	0	1	0	30.28	0.00	29	28	97	01	0	8
22	0	30.53	0.00	10	5	80	04	0	0	0	30.36	0.00	31	26	82	20	0	2	0	30.35	0.00	29	28	97	00	1	8
DEC 07									DEC 08									DEC 09									
01	0	30.41	0.00	27	25	95	00	1	9	0	30.75	0.00	3	-0	86	03	0	0	0	30.40	0.00	28	23	83	17	2	8
04	0	30.50	0.00	22	18	86	02	3	10	0	30.72	0.00	3	-1	84	02	0	0	0	30.34	0.00	27	23	87	20	2	5
07	0	30.61	0.00	16	13	88	35	1	6	0	30.71	0.00	4	-1	81	03	0	0	0	30.29	0.00	28	24	88	19	0	0
10	216	30.69	0.00	15	9	75	04	1	13	230	30.68	0.00	14	4	63	20	2	8	51	30.25	0.00	32	29	87	21	0	0
13	369	30.67	0.00	16	7	66	00	2	15	234	30.60	0.00	23	8	52	20	4	9	33	30.15	0.00	32	30	93	02	0	0
16	9	30.71	0.00	10	3	73	34	0	4	5	30.57	0.00	21	7	54	19	4	12	0	30.06	0.00	33	31	96	03	0	0
19	0	30.78	0.00	6	-2	70	00	0	0	0	30.56	0.00	21	15	77	21	2	10	0	29.97	0.00	32	32	97	02	1	5
22	0	30.76	0.00	4	-0	81	03	0	0	0	30.49	0.00	22	18	85	19	0	3	0	29.89	0.00	32	32	97	01	2	9
DEC 10									DEC 11									DEC 12									
01	0	29.80	0.00	32	31	98	06	0	0	0	29.46	0.00	28	27	97	35	0	0									
04	0	29.74	0.00	31	30	97	34	0	0	0	29.47	0.00	28	27	97	35	0	0									
07	0	29.75	0.00	30	29	97	36	0	0	0	29.51	0.00	28	27	97	35	0	0									
10	9	29.71	0.00	30	29	97	02	0	0	18	29.56	0.00	29	28	96	27	0	0									
13	7	29.63	0.00	30	29	97	34	0	0	14	29.56	0.00	30	29	95	29	0	0									
16	0	29.58	0.00	29	29	97	36	0	0	0	29.63	0.00	29	28	96	32	0	0	0	29.89	0.00	27	26	95	27	0	0
19	0	29.53	0.00	28	28	97	03	0	0	0	29.93	0.00	25	24	96	26	0	0	0	29.93	0.00	25	23	95	26	0	0
22	0	29.49	0.00	28	27	97	01	0	0	0	29.93	0.00	25	23	95	26	0	0	0	29.93	0.00	25	23	95	26	0	0
DEC 13									DEC 14									DEC 15									
01	0	29.92	0.00	24	23	96	26	0	0	0	29.85	0.00	23	22	96	05	0	0	0	29.99	0.00	26	25	95	21	0	0
04	0	29.93	0.00	25	24	96	26	0	0	0	29.84	0.00	25	24	96	05	0	0	0	30.03	0.00	25	24	95	21	0	0
07	0	29.92	0.00	25	24	96	26	0	0	0	29.86	0.00	27	26	97	05	0	0	0	30.06	0.00	25	24	96	21	0	0
10	18	29.94	0.00	26	25	94	32	0	0	11	29.89	0.00	30	30	97	05	0	0	7	30.09	0.00	28	26	94	21	0	0
13	21	29.87	0.00	30	27	90	30	0	0	19	29.85	0.00	32	30	92	21	0	1	9	30.06	0.00	29	27	93	21	0	0
16	0	29.86	0.00	26	25	93	05	0	0	0	29.89	0.00	31	30	95	21	0	0	0	30.08	0.00	28	27	94	21	0	0
19	0	29.87	0.00	23	22	96	05	0	0	0	29.95	0.00	29	28	95	21	0	1	0	30.10	0.00	28	27	96	21	0	0
22	0	29.87	0.00	22	20	94	05	0	0	0	29.97	0.00	28	26	94	20	0	4	0	30.08	0.00	27	26	96	21	0	0
DEC 16									DEC 17									DEC 18									
01	0	30.08	0.00	27	26	96	20	1	5	0	29.82	0.00	34	34	97	19	0	6	0	29.70	0.00	33	32	98	28	0	0
04	0	30.04	0.00	27	25	95	21	0	0	0	29.78	0.00	34	33	97	19	0	0	0	29.73	0.00	32	31	98	31	0	9
07	0	30.04	0.00	25	24	95	21	0	0	0	29.77	0.00	33	33	98	19	0	0	0	29.76	0.00	31	31	98	31	0	8
10	11	30.02	0.00	30	29	94	21	0	0	46	29.77	0.00	37	37	98	20	2	6	0	29.81	0.00	31	31	98	30	0	0
13	11	29.95	0.00	33	32	94	19	1	4	67	29.71	0.00	37	37	98	20	2	3	12	29.80	0.00	30	29	94	31	1	12
16	0	29.92	0.00	34	33	94	18	2	5	0	29.71	0.00	36	36	98	20	0	0	0	29.83	0.00	29	28	95	31	3	3
19	0	29.88	0.00	34	32	95	17	0	0	0	29.74	0.00	36	35	97	29	0	4	0	29.88	0.00	27	26	95	29	2	11
22	0	29.86	0.00	34	33	97	18	0	4	0	29.73	0.00	34	33	97	28	0	0	0	29.89	0.00	26	24	95	31	0	11

MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ended: Date	01	01	01	01	01	01	01	01	01	01	01	01
Ended: Time	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000

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

December 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								
DEC 19										DEC 20										DEC 21									
01	0	29.90	0.00	25	23	95	32	0	10	0	30.22	0.00	9	7	92	09	0	0	0	30.31	0.00	11	9	93	09	0	0		
04	0	29.92	0.00	24	23	96	29	0	2	0	30.24	0.00	8	6	92	09	0	0	0	30.32	0.00	14	13	94	09	0	0		
07	0	29.97	0.00	22	20	93	31	0	5	0	30.28	0.00	7	4	91	09	0	0	0	30.33	0.00	15	14	93	09	0	0		
10	44	30.04	0.00	22	20	93	30	1	7	236	30.32	0.00	17	15	93	09	0	0	104	30.35	0.00	19	18	94	09	0	0		
13	62	30.04	0.00	22	19	91	02	0	4	371	30.28	0.00	24	19	82	09	0	0	83	30.33	0.00	22	21	95	09	0	0		
16	5	30.10	0.00	20	18	91	03	0	2	11	30.29	0.00	20	17	88	09	0	0	7	30.33	0.00	22	21	95	09	0	0		
19	0	30.17	0.00	19	17	92	02	0	0	0	30.29	0.00	13	11	93	09	0	0	0	30.36	0.00	22	21	95	09	0	0		
22	0	30.19	0.00	12	10	93	02	0	0	0	30.31	0.00	14	12	93	09	0	0	0	30.36	0.00	22	20	95	09	0	0		
DEC 22										DEC 23										DEC 24									
01	0	30.36	0.00	22	21	95	09	0	0	0	30.22	0.00	27	26	96	30	0	0	0	30.03	0.00	40	37	91	18	4	9		
04	0	30.34	0.00	22	21	96	09	0	0	0	30.21	0.00	32	31	97	23	0	0	0	29.99	0.00	40	38	91	19	5	10		
07	0	30.36	0.00	22	21	95	09	0	0	0	30.18	0.00	32	32	97	22	0	0	0	29.93	0.00	40	38	93	19	3	6		
10	123	30.36	0.00	25	24	95	09	0	0	35	30.18	0.00	34	34	97	20	0	0	23	29.88	0.00	40	39	96	20	3	9		
13	114	30.31	0.00	27	23	87	02	0	0	63	30.12	0.00	38	35	91	20	1	7	51	29.74	0.00	42	40	93	18	5	12		
16	7	30.28	0.00	25	23	91	04	0	0	5	30.12	0.00	38	35	91	18	1	2	0	29.64	0.00	40	39	97	19	1	7		
19	0	30.27	0.00	25	24	95	04	0	0	0	30.10	0.00	36	35	96	18	0	0	0	29.55	0.00	40	39	98	19	4	8		
22	0	30.25	0.00	23	22	94	05	0	0	0	30.07	0.00	38	36	94	19	2	7	0	29.41	0.00	42	41	98	19	5	12		
DEC 25										DEC 26										DEC 27									
01	0	29.34	0.00	46	45	99	21	4	10	0	29.93	0.00	38	29	70	25	6	13	0	30.06	0.00	36	31	81	20	0	5		
04	0	29.26	0.00	51	50	99	19	6	20	0	29.98	0.00	37	30	74	24	1	8	0	30.08	0.00	36	31	83	20	0	0		
07	0	29.36	0.00	45	41	85	25	0	21	0	30.04	0.00	37	30	76	24	1	9	0	30.12	0.00	35	32	86	20	0	0		
10	56	29.45	0.00	43	34	70	26	12	31	49	30.10	0.00	38	30	75	27	7	12	70	30.14	0.00	38	32	80	20	0	5		
13	67	29.50	0.00	42	35	76	24	2	21	109	30.06	0.00	39	31	73	25	5	10	58	30.06	0.00	38	33	80	20	0	6		
16	9	29.63	0.00	40	33	75	25	7	19	12	30.06	0.00	37	30	76	29	0	0	0	30.01	0.00	40	34	80	21	2	6		
19	0	29.75	0.00	39	30	70	25	8	28	0	30.09	0.00	37	31	78	27	1	7	0	29.97	0.00	41	35	80	19	5	13		
22	0	29.85	0.00	38	28	67	27	8	24	0	30.08	0.00	37	31	78	21	0	6	0	29.85	0.00	44	36	74	19	7	22		
DEC 28										DEC 29										DEC 30									
01	0	29.77	0.00	45	37	75	20	5	20	0	29.94	0.00	31	22	70	24	1	9	0	30.26	0.00	14	4	66	30	5	18		
04	0	29.69	0.00	45	38	77	21	8	20	0	29.97	0.00	30	22	70	25	0	4	0	30.30	0.00	9	2	73	30	0	2		
07	0	29.68	0.00	42	40	93	23	5	10	0	30.07	0.00	23	19	87	30	3	15	0	30.34	0.00	6	-1	75	29	0	0		
10	11	29.75	0.00	41	36	84	29	2	9	237	30.15	0.00	20	12	71	32	1	8	251	30.39	0.00	10	0	65	33	3	19		
13	503	29.77	0.00	42	32	69	27	8	23	221	30.13	0.00	22	8	53	32	2	11	348	30.32	0.00	13	-0	55	30	0	7		
16	0	29.84	0.00	36	28	75	31	2	8	14	30.16	0.00	19	7	59	01	0	0	14	30.32	0.00	12	-0	58	04	0	0		
19	0	29.91	0.00	33	27	80	32	0	4	0	30.20	0.00	16	8	71	32	0	5	0	30.34	0.00	12	-2	54	26	1	9		
22	0	29.95	0.00	29	17	61	30	1	10	0	30.24	0.00	14	7	73	30	0	2	0	30.31	0.00	7	-1	70	27	0	0		
DEC 31																													
01	0	30.26	0.00	8	2	77	27	0	0																				
04	0	30.23	0.00	8	5	85	16	0	0																				
07	0	30.22	0.00	9	6	89	16	0	0																				
10	58	30.24	0.00	15	9	78	29	2	7																				
13	132	30.18	0.00	17	3	55	30	3	11																				
16	21	30.12	0.00	17	5	58	24	0	2																				
19	0	30.06	0.00	18	7	62	20	5	12																				
22	0	29.98	0.00	17	8	68	21	7	14																				

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	30.075	27	23	88	1.5	24	1.1
04	0	30.072	26	23	89	1.0	22	0.7
07	0	30.096	25	23	91	0.9	28	0.6
10	93	30.120	28	24	85	1.6	27	1.2
13	132	30.078	30	24	81	1.6	25	1.1
16	5	30.074	28	23	83	1.0	26	0.6
19	0	30.104	27	23	85	1.0	23	0.7
22	0	30.094	26	22	86	1.6	23	1.1

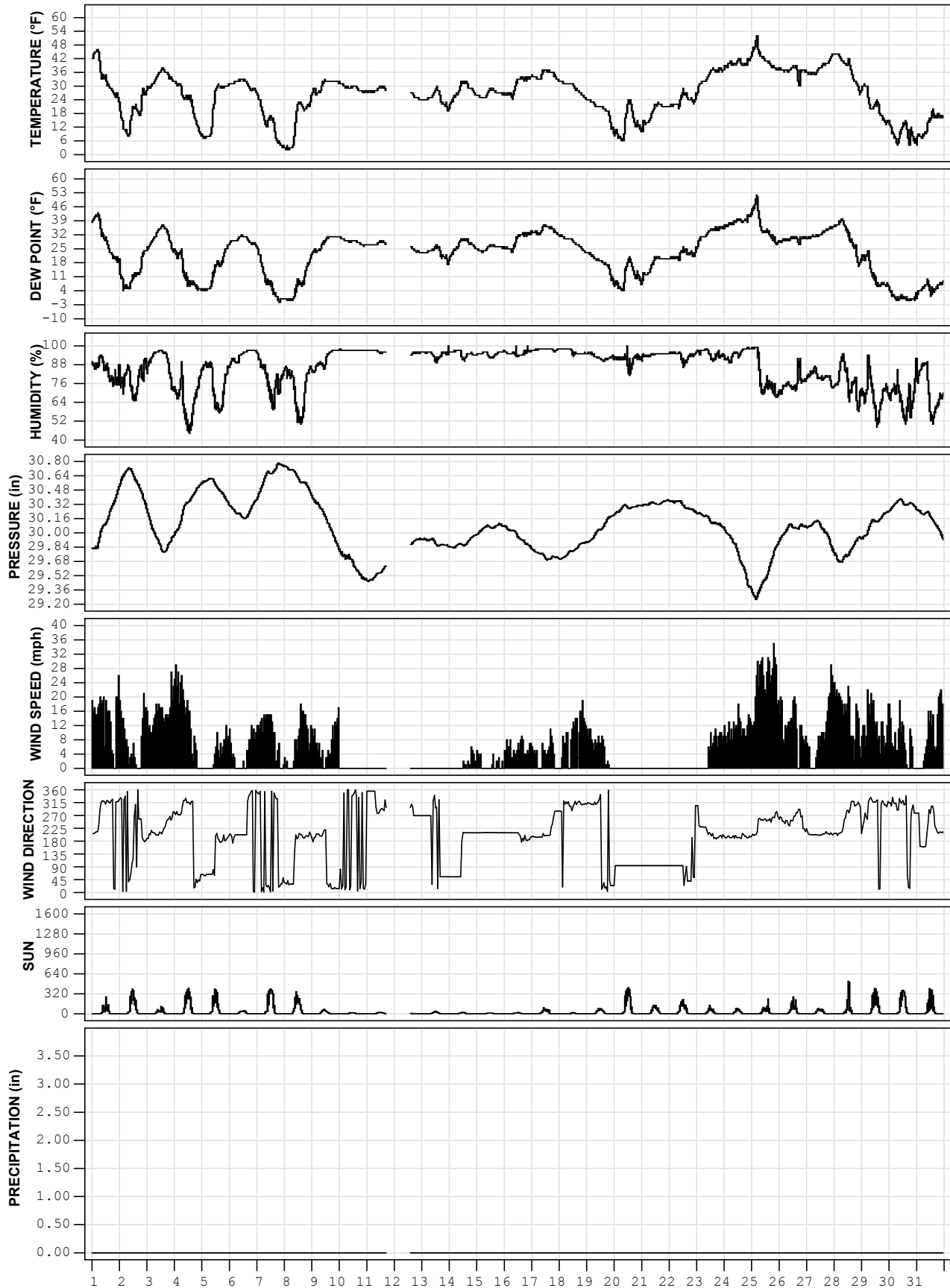
HOURLY PRECIPITATION (Water Equivalent) December 2014: Westford

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																								01	
02																									02
03																									03
04																									04
05																									05
06																									06
07																									07
08																									08
09																									09
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27																									27
28																									28
29																									29
30																									30
31																									31
Sum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Sum

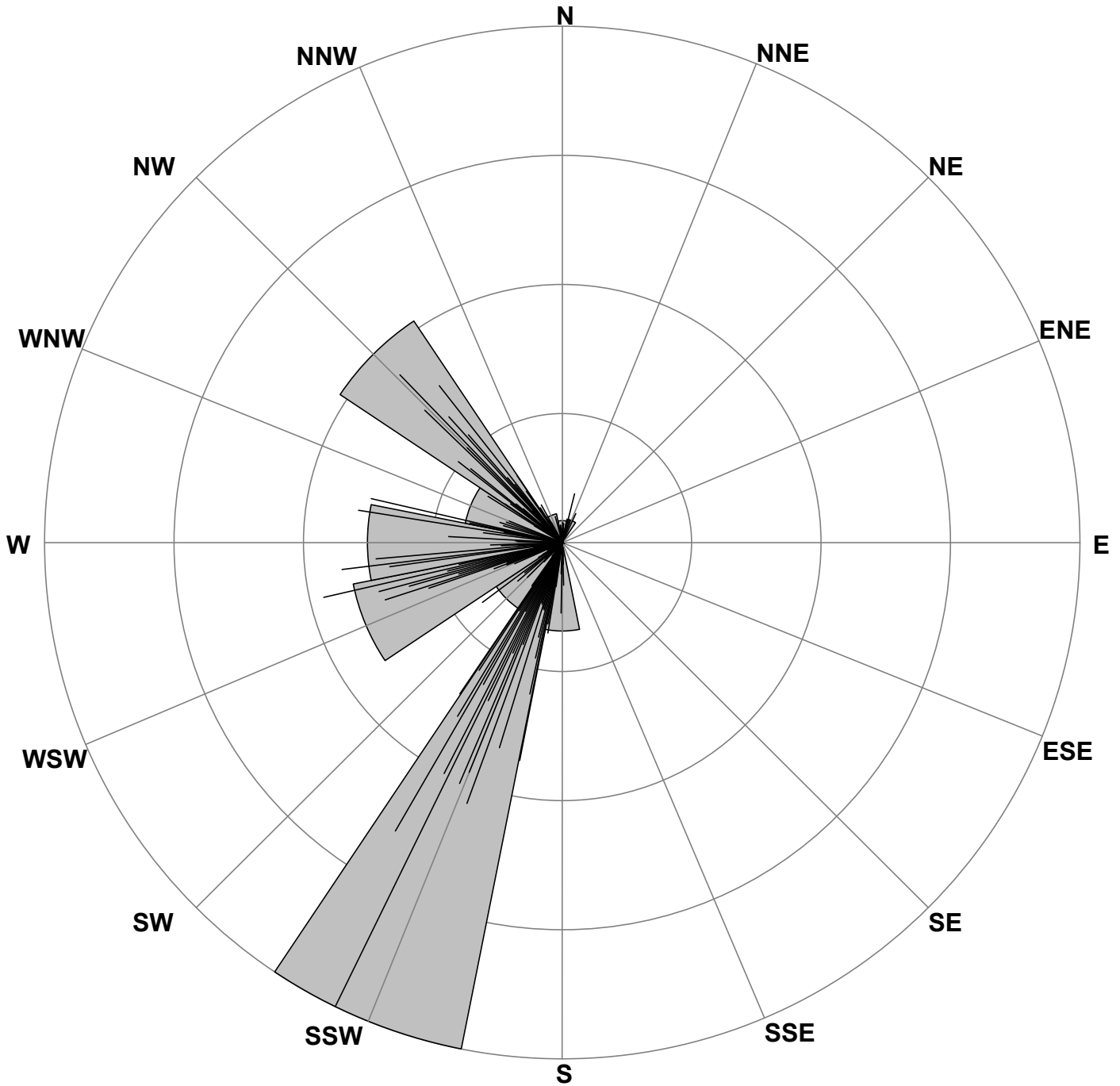
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

HOUR-BY-HOUR DATA

December 2014: Westford



**Wind Rose: December 2014
Westford**



**Maximum direction of wind: 44.4 miles from 206°
Maximum sector of wind: 329.4 miles from SSW
976.9 total miles of wind**