

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

April 2013

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 dust/hz 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	Dir		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	43.7	25.0	34.4	36.6	28	73	30	0	.....	0	0.16	0.0	29.75	29.47	29.583	5.3	4.4	252	33	WSW	21	285	79
2	29.3	19.7	24.5*	25.1	13	61	40	0	.....	0	T	T	29.88	29.74	29.784	5.9	5.7	281	31	WNW	19	304	131
3	37.9	23.1	30.5	29.7	11	45	34	0	.....	0	0.00	0.0	30.17	29.85	29.971	6.8	6.7	293	27	WNW	17	298	211
4	50.6	23.6	37.1	37.6	15	42	27	0	.....	0	0.00	0.0	30.23	29.85	30.074	4.3	4.1	224	20	SW	13	211	245
5	44.6	27.8	36.2	37.3	22	53	28	0	.....	0	0.01	T	29.95	29.76	29.818	4.0	2.6	284	21	NW	13	330	77
6	37.8	20.3	29.0	28.1	8	44	36	0	.....	0	0.00	0.0	30.27	29.95	30.189	3.1	3.1	329	22	NNW	15	322	253
7	56.1	27.4	41.7	44.9	22	41	23	0	.....	0	0.01	0.0	30.23	29.73	29.927	6.8	6.7	205	39	SSW	20	209	114
8	50.4	37.5	44.0	42.5	30	62	21	0	.....	0	T	0.0	30.12	29.85	30.012	1.4	1.2	313	17	WNW	12	298	132
9	47.6	38.0	42.8	42.9	38	82	22	0	.....	0	0.41	0.0	30.00	29.73	29.905	1.6	0.8	269	17	NW	10	307	78
10	48.6	37.6	43.1	42.9	38	85	21	0	.....	0	0.14	0.0	29.99	29.88	29.930	0.1	0.1	319	9	W	6	280	67
11	38.3	28.7	33.5	33.0	21	61	31	0	.....	0	0.00	0.0	30.19	29.91	30.070	0.9	0.9	7	14	WNW	5	17	128
12	33.6	28.8	31.2	31.8	25	76	33	0	...4.6...	1	0.26	0.6	30.18	29.76	29.938	0.3	0.2	157	23	SSW	8	174	30	
13	47.2	33.0	40.1	38.3	33	82	25	0	.....	0	0.36	0.0	29.87	29.74	29.785	2.4	2.1	222	13	WSW	8	247	106
14	44.2	30.1	37.2	37.4	32	80	28	0	.....	0	0.10	T	30.19	29.84	29.989	1.2	1.0	283	16	NNW	9	316	108
15	60.0	26.3	43.1	43.2	30	62	22	0	.....	0	0.00	0.0	30.33	30.16	30.235	1.7	1.7	210	16	SW	8	221	233
16	55.3	47.9	51.6	52.0	40	65	13	0	.....	0	0.21	0.0	30.18	29.86	30.023	8.5	8.3	209	38	S	20	210	87
17	54.1	34.3	44.2	44.5	31	59	21	0	.....	0	0.00	0.0	30.33	30.05	30.227	1.4	1.3	323	18	WNW	10	308	276
18	63.5	33.5	48.5	48.2	32	55	16	0	.....	0	0.01	0.0	30.33	29.83	30.124	4.8	4.8	198	38	SSW	21	204	103
19	71.3	42.7	57.0	61.2	51	70	8	0	.....	0	0.60	0.0	29.85	29.40	29.636	8.2	7.4	211	42	W	26	279	113
20	49.7	31.9	40.8	41.3	27	57	24	0	.....	0	0.00	0.0	30.24	29.61	29.822	5.0	4.9	265	29	WSW	17	266	146
21	44.6	26.2	35.4	33.7	17	51	29	0	.....	0	0.00	0.0	30.67	30.24	30.530	1.7	1.7	314	19	WNW	13	299	272
22	56.8	24.0	40.4	41.6	17	40	24	0	.....	0	0.00	0.0	30.69	30.48	30.603	2.0	1.9	189	16	SW	9	214	265
23	56.1	32.2	44.1	43.9	26	51	21	0	.....	0	0.00	0.0	30.49	30.10	30.311	3.4	3.3	187	20	WSW	11	213	283
24	73.7*	34.4	54.0	56.1	38	58	11	0	.....	0	0.05	0.0	30.10	29.57	29.827	3.4	3.3	203	25	SW	11	215	374
25	55.6	38.1	47.3	45.4	30	57	17	0	.....	0	0.09	0.0	30.27	29.58	30.036	2.9	2.8	276	28	WNW	17	280	256
26	54.4	32.0	43.2	43.3	30	60	22	0	.....	0	0.00	0.0	30.42	30.25	30.356	0.0	0.9	281	16	WNW	8	272	201
27	60.5	32.3	46.4	46.6	29	57	18	0	.....	0	0.00	0.0	30.42	30.27	30.353	1.6	0.5	301	14	WNW	8	307	256
28	71.9	35.1	53.5	55.1	31	44	11	0	.....	0	0.00	0.0	30.29	30.07	30.187	1.1	1.0	218	17	WNW	9	207	288
29	63.8	51.1	57.4	57.0	38	50	7	0	.....	0	T	0.0	30.14	30.08	30.104	3.3	3.3	210	20	SW	11	213	129
30	71.9	49.9	60.9*	59.5	43	55	4	0	.....	0	T	0.0	30.22	30.14	30.191	3.6	3.6	210	20	SW	10	200	184
Sum	Sum	-----	-----	---	----		Ttl	Ttl					For the month:										---	
1574	973						667	0	Number of Days	2.41	0.6	30.69	29.40	30.051	3.2	2.2	239	42	W	26	279			
Avg	Avg	Avg	Mean	Avg	Avg		----	----	Precip	Season Ttl		Date	Date	-----	----	----	----	Date	Date	Avg				
52.5	32.4	42.4	42.7	28	59.2	----	----	----	≥.01 inch	13	7.64	80.8	22	19	-----	----	----	----	19	19	174			
Number of Days							Season to Date	Snow, Ice ≥1.0 inch	0	Greatest in 24 Hours and Dates					Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date									
Max Temperature			Min Temperature			6989	0	Thunder	0	Precipitation		Snow, Ice Plts												
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	----	----	Heavy Fog	0	0.60	19	0.6	12	1			12							
0	1	17	0	----	----	----	----	Clear	8	Partly Cloudy		5	Cloudy		17									

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/m² 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 2013: 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	29.65	0.04	40	36	86	19	1	5	0	29.75	0.00	24	14	66	31	5	14	0	29.87	0.00	27	8	44	30	10	18
04	0	29.56	0.00	37	33	88	21	0	5	0	29.75	0.00	22	12	66	30	2	5	0	29.85	0.00	26	10	50	28	7	17
07	18	29.53	0.00	37	33	87	19	7	14	18	29.77	0.00	20	14	77	28	4	10	33	29.92	0.00	23	9	53	29	4	15
10	60	29.50	0.00	42	36	81	21	5	17	355	29.78	0.00	24	14	65	25	7	15	555	29.95	0.00	28	10	46	29	8	21
13	139	29.47	0.00	43	39	86	24	2	7	422	29.77	0.00	28	11	48	29	19	26	793	29.95	0.00	35	9	34	29	15	26
16	141	29.55	0.00	37	23	55	25	12	29	253	29.77	0.00	29	12	50	28	4	18	250	29.97	0.00	36	10	34	30	3	19
19	14	29.66	0.00	32	15	49	28	11	20	9	29.80	0.00	27	15	59	25	8	21	7	30.05	0.00	33	13	43	30	3	17
22	0	29.72	0.00	28	14	56	31	5	16	0	29.85	0.00	28	14	57	28	6	18	0	30.15	0.00	31	15	52	33	3	14
APR 04									APR 05									APR 06									
01	0	30.18	0.00	28	12	51	27	2	7	0	29.83	0.00	41	20	42	20	3	9	0	29.97	0.00	26	10	49	31	10	19
04	0	30.17	0.00	26	10	51	28	0	0	0	29.79	0.00	40	20	45	21	3	11	0	30.06	0.00	23	7	51	32	7	14
07	18	30.22	0.00	25	13	61	23	0	5	30	29.77	0.00	38	21	50	21	2	11	26	30.18	0.00	21	6	54	33	6	20
10	552	30.20	0.00	36	13	38	24	7	14	83	29.77	0.00	39	22	50	23	3	9	568	30.24	0.00	26	8	46	31	6	17
13	789	30.08	0.00	43	15	32	21	5	15	543	29.78	0.00	43	26	52	28	8	13	805	30.27	0.00	32	6	34	04	0	11
16	552	29.97	0.00	50	19	29	19	9	19	137	29.79	0.00	37	30	75	33	3	16	568	30.23	0.00	36	8	31	30	2	7
19	18	29.93	0.00	47	21	35	21	6	15	16	29.85	0.00	34	22	59	33	5	15	23	30.24	0.00	34	8	33	03	0	0
22	0	29.92	0.00	43	20	39	20	4	11	0	29.93	0.00	29	15	56	34	0	2	0	30.26	0.00	29	13	51	14	0	0
APR 07									APR 08									APR 09									
01	0	30.21	0.00	28	15	56	14	0	0	0	29.89	0.00	45	33	64	29	6	14	0	29.91	0.09	42	37	81	06	0	0
04	0	30.11	0.00	35	10	34	19	3	7	0	29.95	0.00	41	31	68	30	5	12	0	29.80	0.31	44	40	86	20	3	8
07	16	30.07	0.00	40	16	38	21	9	18	14	30.02	0.00	38	28	68	33	3	13	7	29.74	0.00	46	42	86	18	2	11
10	216	29.95	0.00	45	22	40	20	8	15	102	30.08	0.00	38	29	70	04	1	4	79	29.90	0.00	38	35	87	32	5	14
13	773	29.84	0.00	53	22	30	21	16	26	346	30.10	0.00	43	30	60	35	2	8	151	29.99	0.00	41	36	82	32	0	0
16	44	29.80	0.00	51	27	40	22	2	16	415	30.06	0.00	49	30	48	29	0	4	251	29.96	0.00	46	38	75	08	0	6
19	40	29.75	0.00	53	30	40	20	8	24	25	30.01	0.00	46	29	52	09	0	0	25	30.00	0.00	43	37	79	03	0	0
22	0	29.79	0.00	52	32	48	22	9	28	0	29.99	0.00	41	29	61	08	0	0	0	29.97	0.00	40	36	86	18	0	0
APR 10									APR 11									APR 12									
01	0	29.93	0.07	42	38	88	20	0	0	0	29.94	0.00	37	33	85	03	0	0	0	30.16	0.00	30	17	57	05	0	3
04	0	29.92	0.00	42	40	93	20	0	0	0	29.94	0.00	32	24	72	01	1	11	0	30.13	0.00	32	15	50	03	0	0
07	7	29.94	0.00	42	40	94	20	0	0	46	30.03	0.00	29	19	66	02	2	7	7	30.08	0.00	29	24	81	11	0	0
10	88	29.97	0.00	42	41	94	02	0	0	336	30.07	0.00	35	20	55	34	2	6	74	29.97	0.00	32	27	84	17	0	5
13	320	29.95	0.00	48	40	76	03	1	4	359	30.13	0.00	34	19	52	33	0	7	58	29.88	0.16	33	28	83	17	0	0
16	98	29.91	0.00	46	37	69	03	0	2	178	30.10	0.00	35	17	49	01	5	11	69	29.81	0.00	33	27	80	15	0	0
19	11	29.91	0.00	43	37	78	03	0	0	16	30.14	0.00	33	19	56	33	0	3	14	29.77	0.00	33	29	82	18	0	0
22	0	29.92	0.00	40	36	88	03	0	0	0	30.16	0.00	30	16	55	01	0	0	0	29.77	0.00	33	29	85	20	0	0
APR 13									APR 14									APR 15									
01	0	29.76	0.00	33	30	87	19	0	0	0	29.86	0.00	38	34	86	19	0	4	0	30.21	0.00	28	23	83	25	0	0
04	0	29.74	0.00	33	30	88	18	0	0	0	29.85	0.00	36	31	84	20	0	3	0	30.23	0.00	29	25	86	21	0	0
07	12	29.76	0.00	34	31	88	19	3	9	42	29.89	0.00	36	33	87	25	2	6	26	30.30	0.00	27	24	88	21	0	0
10	183	29.78	0.00	36	33	87	20	2	9	213	29.94	0.00	38	35	88	05	0	0	243	30.33	0.00	40	30	66	19	3	5
13	279	29.78	0.09	44	37	75	20	3	9	385	29.98	0.00	41	33	73	29	5	9	756	30.28	0.00	51	31	45	22	5	9
16	239	29.76	0.00	46	34	62	27	6	11	243	30.05	0.00	41	32	71	33	4	11	568	30.20	0.00	59	32	37	21	6	12
19	5	29.82	0.00	41	36	83	19	0	2	21	30.11	0.00	39	30	70	28	1	6	46	30.19	0.00	55	34	44	18	1	7
22	0	29.86	0.00	37	33	87	21	2	4	0	30.17	0.00	33	27	77	33	0	0	0	30.18	0.00	50	33	52	19	2	10
APR 16									APR 17									APR 18									
01	0	30.16	0.00	52	34	50	20	9	19	0	30.08	0.00	45	36	69	31	0	5	0	30.32	0.00	37	27	66	32	0	0
04	0	30.15	0.00	49	33	53	19	9	25	0	30.13	0.00	40	29	66	27	0	0	0	30.32	0.00	37	26	63	08	0	2
07	30	30.11	0.00	49	32	51	20	8	24	23	30.18	0.00	38	29	70	28	1	6	49	30.31	0.00	37	28	70	08	0	0
10	248	30.03	0.00	52	36	55	19	5	22	700	30.24	0.00	44	32	64	30	7	12	83	30.22	0.00	48	26	42	18	7	14
13	74	29.97	0.00	53	41	64	21	14	27	824	30.25	0.00	49	33	53	02	2	11	146	30.15	0.00	46	34	62	16	4	12
16	58	29.91	0.00	54	46	75	20	8	24	603	30.28	0.00	54	31	42	00	1	10	272	29.99	0.00	59	38	45	20	6	19
19	0	29.86	0.00	55	49	82	20	10	17	42	30.31	0.00	49	29	46	29	0	5	35	29.92	0.00	60	37	42	20	7	23
22	0	29.99	0.00	51	47	87	25	5	15	0	30.30	0.00	37	27	67	32	0	0	0	29.87	0.00	57	40	53	20	10	32

MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.06	0.10	0.13	0.17	0.22	0.29	0.35	0.42	0.51	0.57	0.60	0.60
Ended: Date	19	19	19	19	19	19	19	19	19	19	19	19
Ended: Time	2159	2159	2159	2159	2206	2208	2223	2241	2301	2323	2339	2339

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 2013: 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	29.84	0.00	56	44	66	20	10	30	0	29.63	0.00	43	36	78	31	0	5	0	30.27	0.00	31	20	66	32	5	17
04	0	29.77	0.00	57	49	76	20	4	22	0	29.63	0.00	40	33	75	25	0	0	0	30.36	0.00	27	14	57	32	4	12
07	30	29.76	0.00	58	52	78	20	6	16	19	29.69	0.00	41	29	62	23	5	11	44	30.48	0.00	27	15	62	34	0	2
10	401	29.69	0.00	64	54	71	20	9	22	232	29.70	0.00	44	27	51	25	7	27	640	30.58	0.00	32	16	51	32	3	16
13	304	29.60	0.00	70	55	59	19	9	21	221	29.77	0.00	48	27	44	27	9	18	846	30.61	0.00	38	15	39	33	1	12
16	134	29.51	0.00	70	55	61	19	10	27	237	29.87	0.00	44	23	43	25	8	28	610	30.61	0.00	43	16	33	35	2	11
19	32	29.42	0.00	69	56	62	20	5	19	40	30.01	0.00	39	21	49	27	6	14	62	30.61	0.00	41	16	36	33	0	2
22	0	29.53	0.58	45	41	85	28	13	23	0	30.17	0.00	32	20	61	25	4	14	0	30.67	0.00	31	18	59	05	0	0
APR 22									APR 23									APR 24									
01	0	30.67	0.00	27	16	64	06	0	0	0	30.48	0.00	37	17	43	20	3	8	0	30.06	0.00	42	36	77	18	3	11
04	0	30.66	0.00	25	15	66	06	0	0	0	30.45	0.00	34	16	48	19	1	6	0	30.01	0.00	39	35	84	20	2	7
07	32	30.69	0.00	25	15	65	06	0	0	33	30.41	0.00	33	19	55	18	1	5	32	29.98	0.00	38	35	89	00	0	0
10	559	30.68	0.00	46	18	33	20	4	10	636	30.38	0.00	46	21	38	21	6	14	635	29.90	0.00	55	41	60	18	6	13
13	800	30.63	0.00	53	19	26	19	5	16	752	30.29	0.00	52	30	42	19	3	14	850	29.77	0.00	66	39	37	22	7	16
16	628	30.54	0.00	56	17	21	17	2	12	657	30.21	0.00	55	36	48	15	5	12	589	29.67	0.00	73	38	28	22	7	13
19	63	30.50	0.00	53	21	28	18	3	8	65	30.18	0.00	49	35	57	17	4	16	7	29.66	0.00	67	42	40	22	7	18
22	0	30.51	0.00	44	17	33	17	3	9	0	30.13	0.00	43	35	73	17	0	6	0	29.64	0.09	59	48	69	21	7	17
APR 25									APR 26									APR 27									
01	0	29.63	0.00	54	49	85	23	6	10	0	30.25	0.00	38	25	60	09	0	0	0	30.42	0.00	36	31	83	11	0	0
04	0	29.84	0.00	42	31	65	29	9	21	0	30.26	0.00	32	24	71	02	0	0	0	30.40	0.00	33	29	87	11	0	0
07	91	29.98	0.00	39	31	71	26	4	9	102	30.32	0.00	39	25	58	06	0	2	46	30.40	0.00	33	31	91	11	0	0
10	724	30.07	0.00	42	31	65	26	4	11	223	30.39	0.00	45	31	59	23	0	0	622	30.41	0.00	51	32	48	09	0	7
13	071	30.12	0.00	49	27	42	27	7	15	547	30.39	0.00	49	31	50	29	2	8	717	30.37	0.00	55	32	41	30	4	9
16	708	30.13	0.00	51	27	38	34	0	4	622	30.38	0.00	53	33	46	27	5	16	610	30.30	0.00	59	26	28	30	0	11
19	70	30.16	0.00	52	25	35	03	0	0	70	30.39	0.00	52	32	46	02	0	0	74	30.27	0.00	58	26	29	34	0	2
22	0	30.25	0.00	41	27	57	04	0	1	0	30.42	0.00	40	32	73	03	0	0	0	30.28	0.00	46	31	54	33	0	0
APR 28									APR 29									APR 30									
01	0	30.28	0.00	40	28	63	05	0	0	0	30.09	0.00	56	35	45	17	1	6	0	30.14	0.00	53	41	64	21	5	14
04	0	30.25	0.00	38	27	64	05	0	0	0	30.09	0.00	52	36	54	18	0	6	0	30.16	0.00	52	39	61	20	8	14
07	32	30.24	0.00	38	27	66	05	0	0	74	30.12	0.00	53	36	51	21	3	10	42	30.20	0.00	50	42	73	21	3	10
10	649	30.25	0.00	60	31	33	20	4	8	346	30.12	0.00	60	35	40	19	6	16	230	30.22	0.00	56	41	57	19	5	14
13	856	30.21	0.00	67	33	28	20	2	9	290	30.10	0.00	63	38	40	20	4	14	512	30.20	0.00	66	45	47	19	5	16
16	622	30.13	0.00	71	31	23	20	4	7	151	30.08	0.00	61	41	48	20	8	13	388	30.19	0.00	70	46	42	23	2	11
19	51	30.08	0.00	68	33	27	20	0	4	35	30.10	0.00	57	42	57	20	1	11	56	30.19	0.00	70	45	41	18	1	8
22	0	30.08	0.00	58	34	27	20	0	0	0	30.13	0.00	54	40	61	20	3	10	0	30.21	0.00	58	43	58	14	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	30.048	38	28	67	2.7	26	1.7
04	0	30.044	36	26	67	2.2	25	1.3
07	33	30.070	36	27	70	2.5	23	1.6
10	355	30.077	43	28	59	4.3	23	2.9
13	524	30.055	48	29	51	5.2	25	3.6
16	363	30.024	50	29	48	4.2	24	2.8
19	33	30.030	48	29	51	2.9	23	2.2
22	0	30.061	41	29	63	2.5	24	1.9

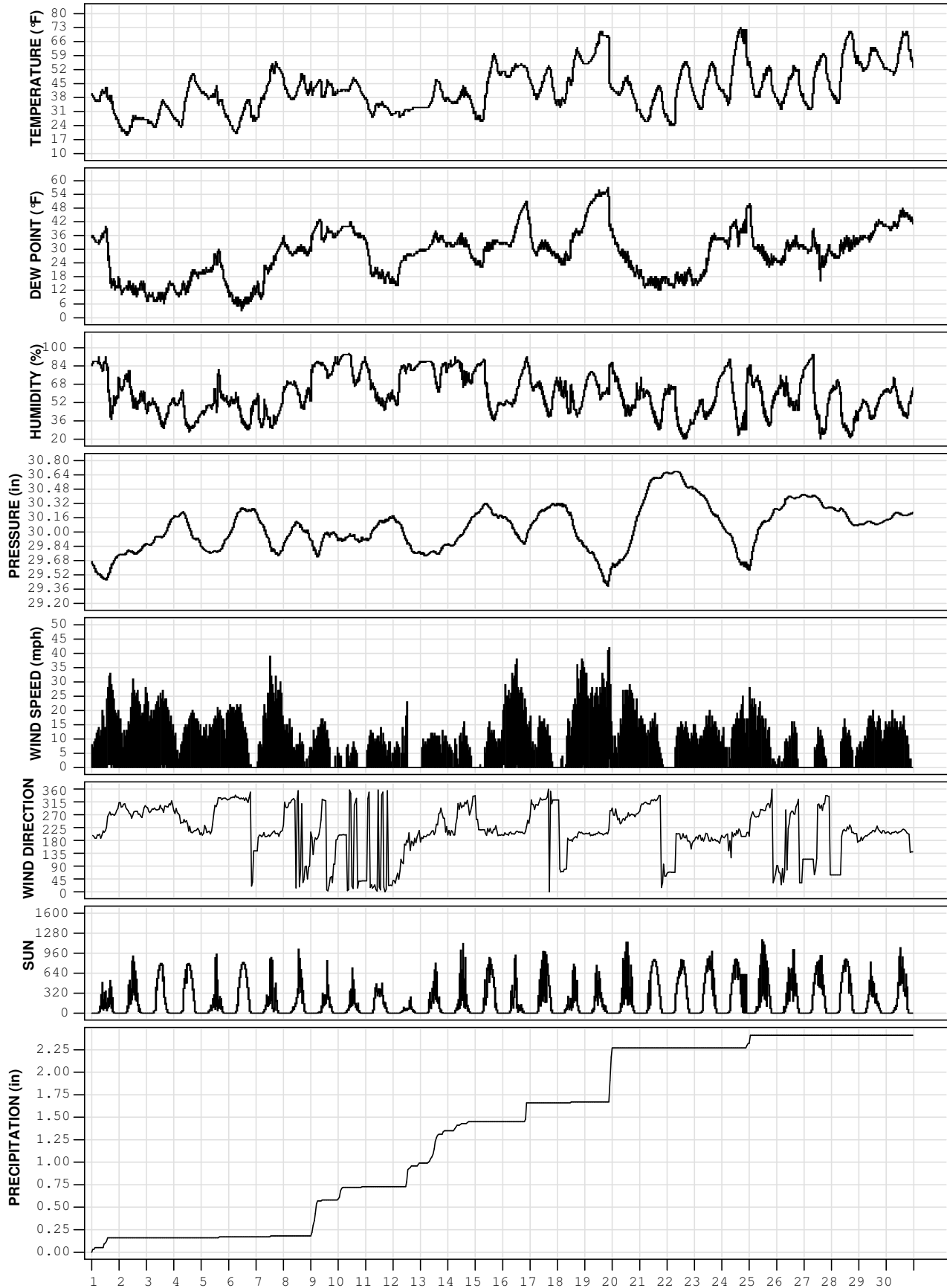
HOURLY PRECIPITATION (Water Equivalent) April 2013: Westford

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	0.03		0.02								0.04	0.01	0.02	0.04											01	
02																									02	
03																									03	
04																									04	
05																0.01									05	
06																									06	
07													0.01												07	
08																									08	
09	0.04	0.08	0.05	0.08	0.11	0.03				0.01															09	
10	0.02	0.07	0.03	0.01																	0.01			0.01	10	
11																									11	
12												0.05	0.14	0.01	0.01	0.02						0.01	0.02		12	
13											0.03	0.06	0.08	0.04	0.03	0.01					0.03	0.01			13	
14						0.02	0.01	0.02	0.03	0.02	0.01	0.01					0.01	0.01							14	
15																									15	
16																									16	
17																							0.03	0.18	17	
18												0.01													18	
19																									19	
20																							0.24	0.26	0.10	20
21																										21
22																										22
23																										23
24																							0.03	0.02		24
25	0.09																									25
26																										26
27																										27
28																										28
29																										29
30																										30
Sum	0.18	0.15	0.10	0.09	0.11	0.05	0.03	0.03	0.03	0.03	0.08	0.14	0.25	0.09	0.04	0.04	0.01	0.01	0.00	0.06	0.20	0.28	0.30	0.11	Sum	

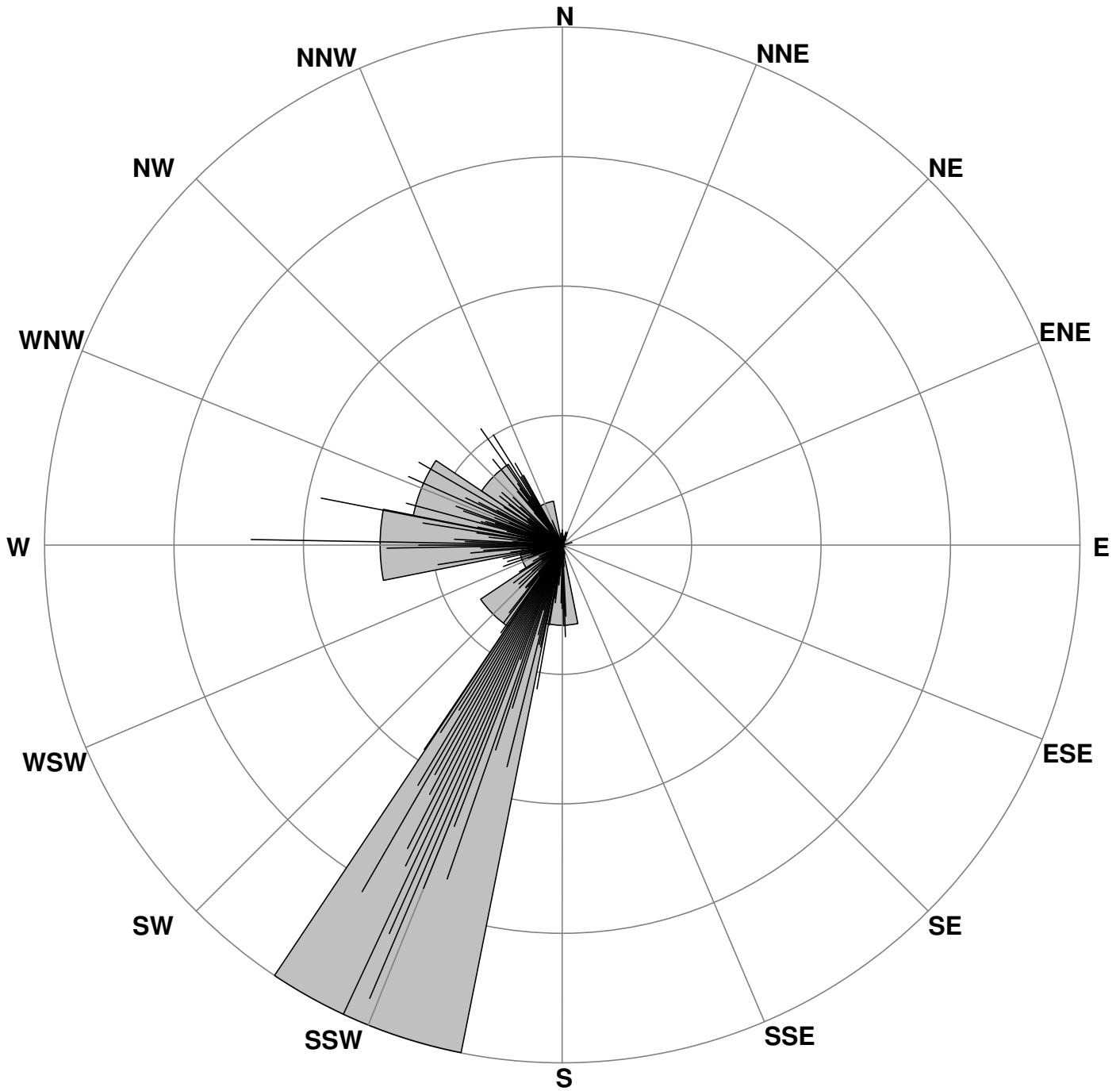
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

HOUR-BY-HOUR DATA

April 2013: Westford



**Wind Rose: April 2013
Westford**



**Maximum direction of wind: 85.4 miles from 205°
Maximum sector of wind: 973.9 miles from SSW
2321.7 total miles of wind**