

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

June 2018

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		11	12	13	14	15	16	17	18	19	20	21	22	23		
1	83.6	67.3	75.5	72.8	68	84	0	11	.....	0	0.00	0.0	29.76	29.64	29.700	1.3	1.3	219	18	SW	8	215	177
2	73.7	48.8	61.2	63.0	56	78	3	0	.....	0	0.00	0.0	29.95	29.68	29.833	0.5	0.5	22	14	NNE	6	8	211
3	77.2	42.1	59.6	61.5	48	63	5	0	.....	0	0.00	0.0	29.99	29.81	29.911	0.6	0.5	205	18	SW	7	202	266
4	58.4	44.2	51.3*	51.0	45	82	14	0	.....	0	0.44	0.0	29.82	29.59	29.676	2.3	2.2	204	20	S	9	200	104
5	57.9	45.4	51.7	51.7	48	88	13	0	.....	0	0.02	0.0	29.69	29.55	29.602	0.6	0.6	265	13	WNW	6	305	110
6	63.6	45.3	54.4	54.5	51	88	10	0	.....	0	0.02	0.0	29.95	29.69	29.825	0.3	0.3	306	13	W	7	296	178
7	71.5	47.6	59.5	58.7	52	81	5	0	.....	0	T	0.0	30.02	29.93	29.984	0.5	0.5	238	18	W	7	244	164
8	72.2	48.9	60.5	61.2	50	68	4	0	.....	0	0.00	0.0	30.13	30.01	30.076	0.4	0.3	311	15	W	8	303	282
9	72.9	45.7	59.3	59.4	47	65	5	0	.....	0	0.00	0.0	30.11	30.01	30.067	0.7	0.7	301	20	W	8	294	298
10	67.9	40.8	54.4	54.5	42	65	10	0	.....	0	0.00	0.0	30.09	30.00	30.048	0.2	0.2	324	15	W	7	284	272
11	72.2	37.7*	54.9	55.9	43	65	10	0	.....	0	0.00	0.0	30.09	30.03	30.060	0.3	0.3	308	19	WNW	7	294	305
12	80.9	43.0	62.0	63.8	50	62	3	0	.....	0	0.00	0.0	30.07	29.83	29.967	1.2	1.1	241	19	WSW	9	279	296
13	80.5	58.2	69.4	67.0	58	75	0	5	.....	0	0.11	0.0	29.85	29.49	29.701	2.2	2.2	218	24	SSW	11	224	218
14	64.3	51.4	57.9	57.5	55	90	7	0	.....	0	0.19	0.0	29.82	29.51	29.634	1.3	1.1	271	23	W	10	264	64
15	72.8	48.9	60.9	58.2	52	81	4	0	.....	0	0.06	0.0	29.95	29.82	29.901	0.2	0.2	331	12	WNW	6	284	250
16	80.3	50.6	65.5	65.0	53	67	0	1	.....	0	0.00	0.0	29.97	29.89	29.935	0.2	0.2	272	12	NW	5	283	267
17	83.8	51.0	67.4	69.1	55	64	0	3	.....	0	0.00	0.0	30.05	29.89	29.970	0.3	0.3	232	12	WSW	6	277	268
18	79.7	64.8	72.3	72.3	65	78	0	8	..3.....	0	1.41	0.0	29.90	29.57	29.703	1.3	1.2	224	22	SSW	8	220	96	
19	71.6	52.4	62.0	61.8	55	81	3	0	.....	0	0.01	0.0	29.87	29.63	29.797	0.6	0.6	308	19	NW	9	295	223
20	76.7	47.5	62.1	63.3	54	73	2	0	.....	0	0.00	0.0	29.87	29.69	29.785	0.4	0.3	247	12	WSW	5	294	248
21	68.1	43.4	55.8	60.0	49	68	9	0	.....	0	0.00	0.0	29.95	29.72	29.821	0.3	0.2	342	14	NW	5	304	309
22	78.0	39.9	59.0	59.7	48	69	6	0	.....	0	0.00	0.0	30.02	29.92	29.967	0.1	0.1	230	11	WSW	5	255	308
23	67.3	54.7	61.0	60.8	54	79	4	0	.....	0	T	0.0	29.93	29.74	29.841	0.3	0.3	205	14	S	4	181	97
24	65.5	55.4	60.5	59.7	58	93	4	0	.....	0	0.16	0.0	29.85	29.71	29.773	0.3	0.3	225	12	S	5	224	76
25	69.4	47.6	58.5	58.6	51	78	6	0	.....	0	0.07	0.0	30.15	29.85	30.004	0.7	0.6	313	19	WNW	9	302	270
26	74.8	41.5	58.2	59.0	48	70	6	0	.....	0	0.00	0.0	30.25	30.02	30.150	0.1	0.1	280	12	WNW	4	316	299
27	73.4	53.3	63.4	63.5	57	80	2	0	.....	0	0.27	0.0	30.03	29.82	29.929	1.3	1.3	215	21	SW	10	210	162
28	72.2	59.5	65.8	65.0	63	93	0	1	.....	0	0.72	0.0	29.82	29.69	29.732	0.3	0.3	220	14	SW	7	206	103
29	84.1	60.0	72.0	71.6	65	82	0	7	.....	0	0.00	0.0	29.92	29.78	29.846	0.4	0.4	274	12	WNW	7	292	284
30	88.9*	64.1	76.5*	76.7	68	76	0	12	..3.....	0	0.00	0.0	29.96	29.81	29.895	0.8	0.8	221	16	W	8	220	253	
Sum	Sum	-----	-----	---	----		Ttl	Ttl			Total	Total	For the month:										---	
2203	1501						135	48	Number of Days		3.48	0.0	30.25	29.49	29.871	0.7	0.5	242	24	SSW	11	224		
Avg	Avg	Avg	Mean	Avg	Avg		----	----	Precip		Season Ttl	Date	Date	-----	----	----	---	Date	Date	Avg				
73.4	50.0	61.7	61.9	53	76.2		----	----	≥.01 inch	12	21.25	100.7	26	13	-----	----	----	---	13	13	215			
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			7706	63	Thunder	2	Precipitation			Snow, Ice Plts											
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----			Heavy Fog	0	1.42	18-19	0.0	-	0			-							
0	0	0	0	----	----			Clear	5	Partly Cloudy		15	Cloudy		10									

NOTES:
 Units: 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 June 2018: Westford

Hour	JUN 01									JUN 02									JUN 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
00	0	29.76	0.00	70	64	84	20	3	12	0	29.69	0.00	67	66	94	27	0	5	0	29.94	0.00	49	47	93	03	0	0
03	0	29.74	0.00	69	65	88	22	3	14	0	29.70	0.00	66	62	88	02	1	8	0	29.96	0.00	46	40	78	02	0	0
06	60	29.72	0.00	68	65	90	20	0	11	12	29.78	0.00	58	52	82	02	0	8	23	29.97	0.00	44	38	81	10	0	1
09	190	29.72	0.00	70	67	89	20	1	13	329	29.84	0.00	59	53	80	00	2	11	578	29.99	0.00	65	52	63	14	0	4
12	863	29.71	0.00	80	71	75	21	2	11	462	29.86	0.00	64	56	73	35	0	5	684	29.96	0.00	70	57	63	25	2	10
15	171	29.67	0.00	77	70	79	29	0	8	494	29.86	0.00	72	58	60	06	0	8	909	29.88	0.00	74	57	55	23	1	5
18	114	29.65	0.00	80	69	69	26	0	0	54	29.89	0.00	70	54	58	04	1	11	109	29.83	0.00	71	51	49	13	2	7
21	0	29.67	0.00	70	66	88	23	0	5	0	29.91	0.00	56	52	85	03	0	0	0	29.83	0.00	65	49	55	21	3	10
JUN 04									JUN 05									JUN 06									
00	0	29.82	0.00	58	28	31	14	3	12	0	29.60	0.00	53	51	95	25	2	10	0	29.69	0.00	45	44	95	29	0	0
03	0	29.77	0.09	48	39	72	15	1	8	0	29.57	0.00	50	46	87	25	1	9	0	29.71	0.00	50	48	96	29	0	0
06	7	29.76	0.17	45	42	89	22	0	0	11	29.57	0.00	49	46	89	25	0	0	19	29.75	0.00	49	48	96	29	0	0
09	70	29.72	0.09	46	44	94	20	0	8	190	29.57	0.00	53	49	86	07	0	4	165	29.82	0.00	53	52	97	31	0	0
12	503	29.65	0.00	52	49	89	19	5	14	269	29.58	0.00	54	49	85	27	0	0	656	29.84	0.00	61	54	80	32	1	10
15	313	29.61	0.00	55	50	84	23	3	15	418	29.59	0.00	56	49	77	28	3	9	420	29.87	0.00	62	54	76	27	1	8
18	37	29.59	0.00	53	50	87	19	2	9	95	29.63	0.00	53	50	88	29	0	0	91	29.88	0.00	61	53	75	29	1	6
21	0	29.61	0.00	52	50	93	20	2	10	0	29.67	0.00	50	48	93	29	0	0	0	29.93	0.00	54	51	90	32	0	0
JUN 07									JUN 08									JUN 09									
00	0	29.94	0.00	49	48	95	32	0	0	0	30.02	0.00	55	50	83	22	0	0	0	30.08	0.00	49	44	84	02	0	0
03	0	29.95	0.00	49	48	96	32	0	0	0	30.02	0.00	57	53	87	22	0	0	0	30.08	0.00	47	43	89	01	0	0
06	33	29.99	0.00	52	51	96	27	0	0	33	30.07	0.00	57	53	84	31	0	0	58	30.09	0.00	47	45	92	01	0	0
09	612	30.01	0.00	60	56	88	22	0	8	708	30.12	0.00	63	54	72	05	0	6	570	30.11	0.00	63	51	65	29	0	10
12	418	30.00	0.00	62	55	79	25	1	6	886	30.13	0.00	67	51	56	26	0	8	846	30.08	0.00	68	49	51	29	3	11
15	940	29.97	0.00	69	55	60	29	3	12	805	30.09	0.00	70	45	41	31	0	10	849	30.04	0.00	72	49	45	29	6	15
18	98	29.97	0.00	67	54	64	25	0	13	65	30.06	0.00	68	45	43	02	0	0	58	30.01	0.00	69	47	46	27	0	7
21	0	30.00	0.00	62	54	73	22	0	4	0	30.07	0.00	56	45	66	03	0	0	0	30.04	0.00	56	41	56	32	0	0
JUN 10									JUN 11									JUN 12									
00	0	30.06	0.00	51	41	68	34	0	0	0	30.04	0.00	42	38	87	05	0	0	0	30.06	0.00	45	40	83	29	0	0
03	0	30.05	0.00	44	40	87	34	0	0	0	30.05	0.00	42	38	87	05	0	0	0	30.05	0.00	45	41	84	24	0	0
06	25	30.07	0.00	42	40	93	34	0	0	19	30.07	0.00	38	36	93	05	0	0	25	30.05	0.00	48	41	77	22	0	7
09	599	30.09	0.00	61	43	52	10	0	0	596	30.08	0.00	63	45	53	02	0	0	559	30.06	0.00	63	51	65	22	1	11
12	900	30.07	0.00	65	45	48	29	2	8	896	30.09	0.00	69	47	46	31	0	9	888	30.00	0.00	74	57	55	23	2	9
15	615	30.03	0.00	67	43	43	10	0	11	809	30.06	0.00	71	45	40	28	1	14	795	29.91	0.00	80	58	47	20	5	11
18	160	30.01	0.00	63	43	48	01	0	1	49	30.03	0.00	69	45	42	03	0	4	90	29.86	0.00	77	54	45	27	1	13
21	0	30.01	0.00	48	40	72	05	0	0	0	30.06	0.00	51	43	73	30	0	0	0	29.83	0.00	67	50	54	21	0	7
JUN 13									JUN 14									JUN 15									
00	0	29.85	0.00	61	51	70	19	0	0	0	29.53	0.00	64	63	95	24	2	13	0	29.82	0.00	51	50	96	02	0	4
03	0	29.83	0.00	61	53	74	23	0	9	0	29.53	0.00	61	53	77	21	1	15	0	29.85	0.00	50	49	96	00	0	0
06	23	29.82	0.00	60	53	77	22	2	10	9	29.51	0.05	56	54	94	19	1	7	12	29.91	0.00	49	48	96	01	0	0
10	564	29.78	0.00	70	59	67	23	0	12	81	29.56	0.00	58	56	94	22	0	12	174	29.95	0.00	51	50	96	01	0	0
12	248	29.73	0.00	72	60	67	13	0	9	118	29.62	0.00	59	54	86	30	0	6	981	29.93	0.00	63	56	78	30	0	6
15	485	29.64	0.00	76	62	61	21	3	19	86	29.67	0.00	59	56	89	29	0	0	805	29.90	0.00	71	53	53	29	3	10
18	86	29.59	0.00	68	62	80	21	6	19	32	29.73	0.04	57	55	95	00	0	7	51	29.90	0.00	71	55	56	28	1	10
21	0	29.53	0.00	65	62	91	12	1	12	0	29.77	0.00	54	53	96	36	0	0	0	29.89	0.00	57	52	83	29	0	0
JUN 16									JUN 17									JUN 18									
00	0	29.92	0.00	54	50	87	25	1	4	0	29.95	0.00	56	51	83	02	0	0	0	29.90	0.00	71	52	51	21	3	12
03	0	29.92	0.00	53	49	85	21	0	0	0	29.96	0.00	53	51	91	31	0	0	0	29.83	0.00	72	55	56	20	1	7
06	21	29.97	0.00	52	49	89	21	0	0	21	30.00	0.00	51	50	94	31	0	0	30	29.79	0.00	71	60	69	21	1	13
09	480	29.97	0.00	67	56	68	25	0	4	564	30.05	0.00	72	58	61	21	0	7	174	29.77	0.00	76	66	71	21	2	11
12	587	29.95	0.00	73	58	58	28	0	6	863	30.02	0.00	78	59	52	26	1	11	401	29.70	0.00	77	68	74	22	5	12
15	840	29.91	0.00	79	53	41	31	0	5	802	29.98	0.00	84	60	45	22	0	8	120	29.64	0.05	71	69	93	23	3	14
18	51	29.90	0.00	76	52	43	31	0	1	130	29.94	0.00	79	62	55	21	0	0	16	29.58	0.00	73	70	91	20	1	14
21	0	29.93	0.00	60	52	74	02	0	0	0	29.91	0.00	69	53	57	21	0	0	0	29.58	0.16	70	69	95	27	2	11

MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.12	0.22	0.26	0.32	0.37	0.40	0.42	0.48	0.56	0.58	0.66	0.72
Ended: Date	18	18	18	18	18	18	18	18	18	18	18	18
Ended: Time	1307	1433	1434	1433	1434	1434	1446	2048	1434	1446	2103	2132

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

June 2018: 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
JUN 19									JUN 20									JUN 21									
00	0	29.63	0.00	65	64	96	02	0	0	0	29.86	0.00	52	49	89	30	0	0	0	29.73	0.00	64	56	76	30	0	10
03	0	29.67	0.00	62	61	96	31	1	12	0	29.85	0.00	50	48	94	29	0	0	0	29.73	0.00	61	56	84	32	0	7
06	21	29.75	0.00	58	57	96	31	1	12	16	29.86	0.00	48	47	95	26	0	0	53	29.77	0.00	56	46	70	06	0	2
09	123	29.83	0.00	56	52	88	30	0	0	594	29.84	0.00	66	56	71	24	1	9	585	29.82	0.00	62	48	60	07	0	4
12	216	29.85	0.00	63	55	74	30	0	3	754	29.80	0.00	72	58	62	28	0	8	904	29.83	0.00	66	51	57	26	0	7
15	816	29.83	0.00	70	57	64	29	4	14	445	29.74	0.00	74	57	56	24	0	8	824	29.85	0.00	67	50	55	30	0	11
18	46	29.82	0.00	69	55	61	29	0	10	60	29.70	0.00	75	58	55	27	0	10	63	29.85	0.00	64	46	52	26	0	1
21	0	29.85	0.00	56	51	83	30	0	0	0	29.71	0.00	62	56	79	28	0	0	0	29.89	0.00	50	44	80	02	0	0
JUN 22									JUN 23									JUN 24									
00	0	29.95	0.00	43	41	92	02	0	0	0	29.93	0.00	56	51	82	21	0	0	0	29.74	0.00	56	53	90	24	0	6
03	0	29.95	0.00	42	40	94	02	0	0	0	29.91	0.00	59	53	79	20	1	5	0	29.72	0.00	56	54	94	20	0	9
06	16	30.00	0.00	41	39	95	02	0	0	19	29.91	0.00	62	54	73	21	1	7	21	29.73	0.00	57	55	95	22	0	7
09	591	30.02	0.00	64	53	69	04	0	0	120	29.89	0.00	63	55	75	19	0	7	49	29.77	0.00	58	57	96	26	0	0
12	904	30.01	0.00	71	45	39	13	2	7	244	29.86	0.00	64	56	74	13	0	5	155	29.78	0.00	61	59	93	28	0	0
15	831	29.97	0.00	76	50	40	16	2	9	383	29.80	0.00	67	57	70	19	0	7	265	29.78	0.00	65	61	85	18	0	0
18	130	29.93	0.00	74	53	48	21	0	1	60	29.77	0.00	58	54	87	20	0	1	102	29.80	0.00	64	61	90	10	0	0
21	0	29.92	0.00	60	50	71	21	0	0	0	29.74	0.00	57	53	86	21	1	5	0	29.82	0.00	61	59	94	10	0	0
JUN 25									JUN 26									JUN 27									
00	0	29.85	0.00	57	56	96	28	1	7	0	30.15	0.00	49	45	87	31	0	0	0	30.02	0.00	53	48	83	16	0	0
03	0	29.86	0.00	55	54	96	07	1	4	0	30.19	0.00	45	43	92	23	0	0	0	30.02	0.00	54	49	83	21	0	0
06	26	29.92	0.00	54	53	97	03	0	6	19	30.23	0.00	42	41	95	23	0	0	54	30.00	0.00	58	52	80	22	2	9
09	65	29.98	0.00	55	53	95	30	0	5	585	30.24	0.00	63	49	61	20	0	0	332	29.98	0.00	66	58	76	21	1	11
12	911	30.03	0.00	66	52	62	30	1	10	896	30.20	0.00	69	45	43	25	0	6	468	29.93	0.00	72	62	71	21	4	13
15	838	30.06	0.00	68	50	52	29	2	15	770	30.13	0.00	73	50	44	29	0	7	471	29.88	0.00	72	58	60	21	3	21
18	162	30.08	0.00	65	45	47	29	3	14	120	30.06	0.00	71	53	54	16	0	0	76	29.85	0.00	67	60	79	23	4	15
21	0	30.11	0.00	51	45	81	31	0	0	0	30.06	0.00	56	50	82	16	0	0	0	29.84	0.05	62	61	95	22	0	8
JUN 28									JUN 29									JUN 30									
00	0	29.82	0.15	60	58	95	20	3	14	0	29.79	0.00	64	63	96	31	0	0	0	29.92	0.00	64	62	93	23	0	0
03	0	29.76	0.00	60	59	96	20	2	10	0	29.79	0.00	63	61	96	24	0	0	0	29.93	0.00	68	63	85	20	0	8
06	9	29.73	0.06	60	59	96	23	0	0	18	29.82	0.00	63	63	97	21	4	7	28	29.96	0.00	69	63	82	20	2	9
09	72	29.71	0.22	63	62	97	21	0	0	536	29.85	0.00	74	67	81	29	0	7	492	29.87	0.00	76	68	76	21	0	7
12	162	29.70	0.00	68	66	96	23	0	7	847	29.86	0.00	79	68	70	24	1	11	874	29.90	0.00	82	71	68	23	1	13
15	197	29.70	0.00	71	66	87	26	0	8	856	29.86	0.00	82	70	66	27	2	9	742	29.90	0.00	88	72	60	21	2	12
18	190	29.71	0.00	72	67	86	29	0	5	77	29.86	0.00	80	67	63	31	0	0	134	29.87	0.00	85	73	67	25	0	9
21	0	29.75	0.00	66	64	93	31	0	0	0	29.87	0.00	67	64	88	02	0	0	0	29.87	0.00	76	71	85	23	0	1

WEATHER NOTES

NOTES:
 Units: 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
00	0	29.869	56	51	85	0.6	22	0.5
03	0	29.865	54	50	87	0.4	22	0.2
06	25	29.885	54	50	88	0.4	22	0.4
09	378	29.900	63	55	77	0.3	23	0.2
12	627	29.890	68	56	67	1.1	24	0.8
15	604	29.860	71	56	61	1.6	26	1.2
18	87	29.845	69	55	64	0.8	24	0.5
21	0	29.856	60	53	80	0.3	21	0.2

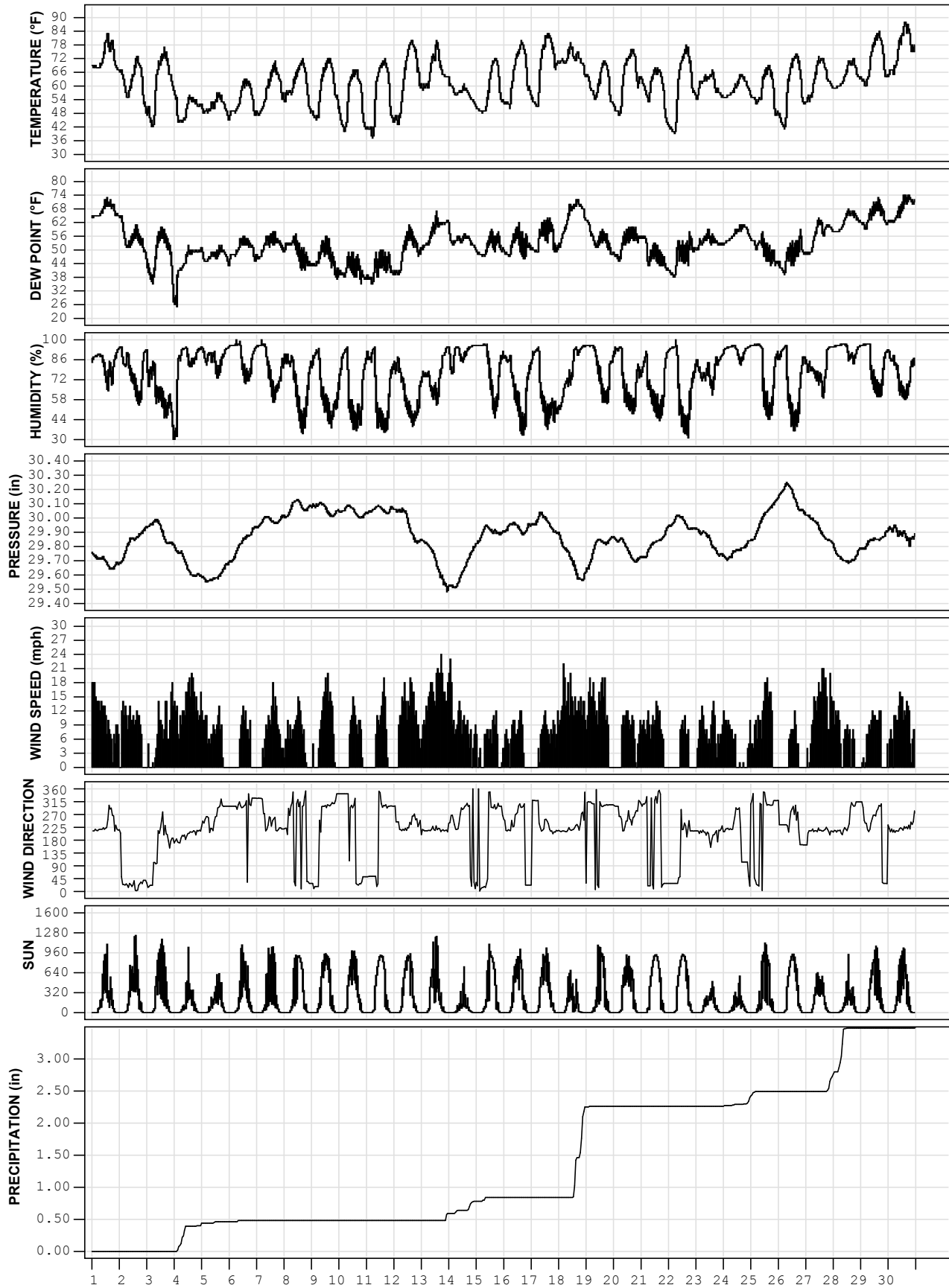
HOURLY PRECIPITATION (Water Equivalent) June 2018: Westford

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			0.02	0.05	0.02	0.03	0.10	0.02	0.08	0.07									0.01					0.04	04
05										0.01	0.01														05
06																									06
07								0.02																	07
08																									08
09																									09
10																									10
11																									11
12																									12
13																									13
14						0.02	0.02	0.01						0.01	0.05	0.04	0.02	0.01	0.01	0.09	0.02				14
15						0.02		0.04																	15
16																									16
17																									17
18													0.01	0.17	0.40	0.04			0.08	0.22	0.34	0.08	0.07		18
19			0.01																						19
20																									20
21																									21
22																									22
23																									23
24	0.01							0.01		0.01							0.01			0.01	0.03	0.06	0.02		24
25	0.02	0.03	0.01	0.01																					25
26																									26
27																			0.02	0.03	0.11	0.04	0.03	0.04	27
28	0.04				0.06	0.08	0.10	0.19	0.23	0.01		0.01													28
29																									29
30																									30
Sum	0.07	0.03	0.04	0.06	0.08	0.15	0.22	0.29	0.31	0.09	0.01	0.02	0.01	0.17	0.40	0.04	0.01	0.06	0.14	0.28	0.47	0.25	0.18	0.10	Sum

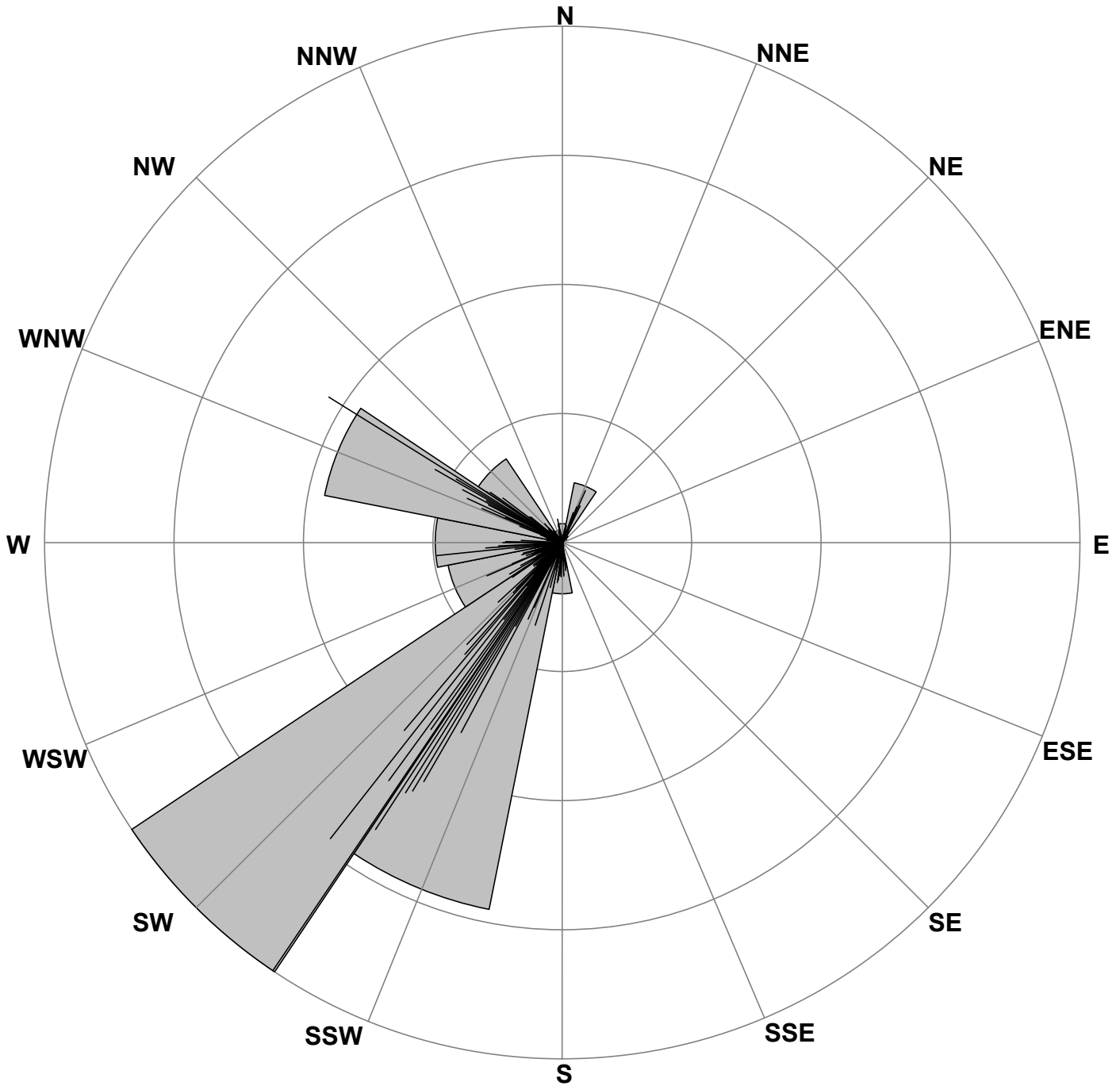
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

HOUR-BY-HOUR DATA

June 2018: Westford



**Wind Rose: June 2018
Westford**



**Maximum direction of wind: 29.9 miles from 214°
Maximum sector of wind: 153.3 miles from SW
482.5 total miles of wind**