

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

August 2019

Station: Westford
 Latitude: 44° 37' 38" N Longitude: 73° 02' 29" W Elevation (Ground): 850 feet Time Zone: Eastern

Date	Temperature					Humidity Mean	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		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		11	12	13	14	15	16	17	18	19	20	21	22	23	
1	78.0	52.0	65.0	65.3	57	77	0	0	.....	0	0.00	0.0	30.09	29.97	30.056	0.0	0.0	317	11	NW	3	293	276
2	82.4	48.8	65.6	65.0	54	73	0	1	.....	0	0.00	0.0	30.13	30.01	30.072	0.0	0.0	276	10	W	3	278	271
3	83.9	52.6	68.3	67.9	58	74	0	4	.....	0	0.00	0.0	30.01	29.83	29.913	0.2	0.2	261	14	WSW	4	250	261
4	73.7	51.3	62.5	62.8	55	77	2	0	.....	0	0.00	0.0	29.94	29.86	29.902	0.1	0.1	320	11	WNW	4	303	256
5	80.1	46.5	63.3	63.3	54	75	1	0	.....	0	0.00	0.0	29.98	29.85	29.921	0.1	0.1	265	10	WNW	4	287	270
6	85.1*	54.5	69.8	68.3	61	79	0	5	..3.....	0	0.29	0.0	29.86	29.67	29.763	0.6	0.6	210	21	S	8	207	217
7	81.2	64.9	73.0	70.6	66	88	0	8	..3.....	0	0.82	0.0	29.76	29.64	29.710	0.1	0.1	219	15	W	5	202	144
8	82.0	63.4	72.7	70.2	66	86	0	8	..3.....	0	1.61	0.0	29.65	29.48	29.555	0.5	0.4	263	16	NW	8	292	184
9	78.0	56.8	67.4	65.5	59	80	0	3	..3.....	0	0.34	0.0	29.66	29.55	29.607	1.0	0.9	268	25	NNW	13	301	249
10	68.8	51.9	60.4	59.0	55	87	4	0	..3.....	0	0.07	0.0	29.84	29.64	29.718	0.8	0.7	288	20	W	11	293	140
11	76.0	50.9	63.5	63.0	55	78	1	0	.....	0	0.00	0.0	29.92	29.84	29.877	0.7	0.6	285	18	W	8	304	233
12	80.3	56.8	68.6	69.0	61	77	0	4	.....	0	0.05	0.0	29.88	29.70	29.799	0.3	0.3	222	14	SSW	5	248	216
13	79.0	53.7	66.4	66.9	62	85	0	2	.....	0	0.10	0.0	29.78	29.69	29.723	0.0	0.0	332	12	NE	2	258	179
14	76.0	51.6	63.8	62.2	57	83	1	0	.....	0	0.00	0.0	29.95	29.77	29.853	0.1	0.1	306	9	WNW	3	309	265
15	77.6	47.4	62.5	62.8	55	77	2	0	.....	0	0.00	0.0	30.04	29.94	29.986	0.0	0.0	281	7	WNW	3	260	263
16	78.2	59.6	68.9	67.4	62	84	0	4	.....	0	0.02	0.0	29.98	29.92	29.947	0.3	0.3	219	12	SSW	5	221	193
17	82.9	61.9	72.4	70.1	66	87	0	8	..3.....	0	0.15	0.0	29.94	29.86	29.910	0.5	0.4	217	14	SSW	6	212	179
18	81.9	61.4	71.7	69.6	65	86	0	7	.....	0	0.05	0.0	29.97	29.83	29.911	0.3	0.3	217	13	SSW	5	212	208
19	82.6	65.5	74.0*	72.0	66	83	0	10	.....	0	0.04	0.0	29.93	29.80	29.845	1.0	0.9	227	18	SSW	9	210	174
20	81.9	53.5	67.7	68.1	59	75	0	3	.....	0	0.00	0.0	30.04	29.93	29.984	0.1	0.1	229	10	SW	3	221	255
21	73.6	58.1	65.8	66.2	63	90	0	1	.....	0	0.17	0.0	29.95	29.72	29.830	0.4	0.4	214	21	SW	8	210	71
22	78.0	56.3	67.1	67.5	62	85	0	2	.....	0	0.24	0.0	29.85	29.71	29.766	0.6	0.5	254	19	W	11	297	170
23	72.3	50.2	61.3	61.0	54	80	4	0	.....	0	0.00	0.0	30.06	29.84	29.957	0.2	0.2	304	14	W	5	306	240
24	69.6	47.0	58.3*	57.1	53	87	6	0	.....	0	0.00	0.0	30.28	30.06	30.189	0.0	0.0	351	8	N	1	302	126
25	76.3	46.7	61.5	60.7	54	81	3	0	.....	0	0.00	0.0	30.34	30.22	30.274	0.0	0.0	352	11	NNE	3	40	252
26	77.7	43.9*	60.8	60.2	52	78	4	0	.....	0	0.00	0.0	30.26	30.08	30.179	0.0	0.0	335	12	N	3	3	248
27	77.9	46.4	62.2	62.6	54	77	3	0	.....	0	0.00	0.0	30.08	29.88	29.975	0.5	0.5	212	15	SW	5	211	227
28	75.7	61.3	68.5	66.9	61	83	0	4	.....	0	0.52	0.0	29.89	29.76	29.806	0.5	0.5	213	20	S	7	209	114
29	75.9	54.2	65.1	64.7	59	83	0	0	.....	0	0.00	0.0	29.87	29.76	29.804	0.1	0.1	267	12	WNW	4	286	195
30	76.9	52.3	64.6	62.7	55	78	0	0	.....	0	0.03	0.0	30.02	29.78	29.864	0.9	0.7	246	19	SW	8	277	179
31	70.7	48.5	59.6	59.3	52	77	5	0	.....	0	0.00	0.0	30.29	30.02	30.158	0.4	0.4	294	14	NW	6	283	186
Sum	Sum	-----	-----	---	----	Ttl	Ttl	Number of Days		Total	Total	For the month:										---	
2414	1670					36	74			4.50	0.0	30.34	29.48	29.898	0.3	0.3	249	25	NNW	13	301		
Avg	Avg	Avg	Mean	Avg	Avg	----	----	Precip		Season Ttl	Date	Date	-----	----	----	---	Date	Date	Avg				
77.9	53.9	65.9	65.1	58	80.9	----	----	≥.01 inch	15	33.02	0.0	25	8	-----	----	----	---	9	9	208			
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			44	287	Thunder	6	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	2.29	7- 8	0.0	-	0						-					
0	0	0	0	----	----	Clear	12	Partly Cloudy	15	Cloudy	2												

NOTES:
 Units: Temperature=°F, Wind=mph, Pressure=Inches Hg, Precipitation=inches.
 Column 4A: value is (MAX+MIN) ÷ 2.
 Data in columns 4B, 5, 6, 15, 16, 23 are updated continuously, there by achieving a "true" mean.
 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 W/m² and is continuously averaged for 24 hours.

OBSERVATIONS AT 3-HOUR INTERVALS

August 2019: 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
AUG 01									AUG 02									AUG 03									
00	0	29.97	0.00	62	61	95	21	0	0	0	30.09	0.00	52	50	93	05	0	0	0	30.01	0.00	55	53	92	19	0	0
03	0	30.00	0.00	58	57	95	21	0	0	0	30.09	0.00	51	49	95	05	0	0	0	29.98	0.00	53	51	93	19	0	0
06	12	30.04	0.00	54	53	96	21	0	0	12	30.11	0.00	49	48	95	05	0	0	12	29.97	0.00	53	51	93	20	0	0
09	476	30.08	0.00	69	61	77	27	0	0	466	30.12	0.00	70	59	69	20	0	0	471	29.96	0.00	71	62	74	22	0	5
12	911	30.09	0.00	76	61	59	10	0	0	800	30.11	0.00	78	58	50	29	0	0	770	29.91	0.00	78	61	55	25	1	11
15	749	30.08	0.10	77	55	47	28	0	2	738	30.06	0.00	80	54	41	29	0	5	715	29.86	0.00	82	61	48	28	0	9
18	88	30.06	0.00	74	56	52	06	0	0	81	30.02	0.00	79	57	48	19	0	0	146	29.83	0.00	78	64	61	26	0	5
21	0	30.06	0.00	56	52	88	05	0	0	0	30.02	0.00	59	55	86	19	0	0	0	29.85	0.00	67	60	79	34	0	0
AUG 04									AUG 05									AUG 06									
00	0	29.86	0.00	64	61	92	30	0	0	0	29.93	0.00	52	49	92	06	0	0	0	29.85	0.00	59	54	85	22	0	4
03	0	29.87	0.00	63	62	95	30	0	0	0	29.94	0.00	49	48	94	06	0	0	0	29.83	0.00	56	52	87	21	0	0
06	11	29.88	0.00	54	52	93	04	0	5	9	29.96	0.00	47	45	95	06	0	0	11	29.83	0.00	56	52	88	21	0	0
09	325	29.92	0.00	63	55	76	03	0	0	471	29.98	0.00	66	58	75	17	0	0	448	29.81	0.00	71	60	68	20	1	9
12	803	29.94	0.00	68	57	66	29	0	7	800	29.96	0.00	72	54	53	26	1	7	772	29.76	0.00	81	66	60	21	1	13
15	789	29.91	0.00	72	55	55	29	0	7	735	29.91	0.00	79	54	43	26	3	8	204	29.69	0.00	84	68	60	21	0	9
18	76	29.89	0.00	69	53	56	05	0	0	62	29.86	0.00	77	58	53	19	0	0	53	29.69	0.49	70	66	89	19	1	8
21	0	29.92	0.00	54	49	84	06	0	0	0	29.86	0.00	59	55	86	22	0	0	0	29.71	0.00	66	64	93	15	0	9
AUG 07									AUG 08									AUG 09									
00	0	29.72	0.00	66	64	94	22	0	5	0	29.64	0.00	66	64	95	19	0	0	0	29.55	0.00	64	61	90	30	0	0
03	0	29.72	0.00	65	64	95	21	0	0	0	29.59	0.00	66	65	96	15	0	0	0	29.58	0.00	61	58	92	28	0	0
06	14	29.74	0.00	65	64	95	19	0	0	5	29.57	0.00	66	65	96	24	0	0	11	29.60	0.00	57	56	95	28	0	0
09	149	29.76	0.00	68	66	94	22	0	9	111	29.58	0.00	67	66	96	25	1	7	438	29.62	0.00	68	63	83	19	0	7
12	626	29.73	0.00	79	71	76	27	0	6	179	29.56	0.00	74	69	84	24	0	0	824	29.61	0.00	74	62	66	26	1	13
15	304	29.71	0.00	76	69	81	22	0	0	925	29.53	0.00	78	69	74	21	0	8	88	29.61	0.00	71	63	75	21	1	7
18	107	29.67	0.00	77	70	80	26	0	0	77	29.49	0.00	78	67	68	22	0	1	37	29.63	0.00	65	55	71	31	2	18
21	0	29.68	0.05	66	64	93	08	0	0	0	29.53	0.00	65	62	88	29	3	14	0	29.66	0.00	59	56	89	21	0	5
AUG 10									AUG 11									AUG 12									
00	0	29.66	0.00	58	56	94	15	0	0	0	29.84	0.00	52	51	95	22	0	0	0	29.88	0.00	63	57	81	20	0	7
03	0	29.65	0.00	56	54	95	24	0	0	0	29.85	0.00	52	51	96	23	0	0	0	29.85	0.00	62	56	81	22	0	0
06	0	29.67	0.00	56	55	96	22	0	1	9	29.89	0.00	52	51	96	23	0	0	5	29.85	0.00	57	54	89	21	0	8
09	330	29.70	0.00	60	56	85	26	0	11	160	29.91	0.00	63	58	83	22	0	9	454	29.86	0.00	70	61	72	18	1	8
12	555	29.71	0.00	64	55	74	29	5	13	828	29.89	0.00	70	59	68	29	1	11	766	29.81	0.04	77	65	65	21	1	9
15	329	29.71	0.00	65	57	75	27	0	9	679	29.88	0.00	76	56	50	30	5	14	304	29.76	0.00	77	65	67	24	1	7
18	70	29.74	0.00	61	56	83	32	0	0	67	29.87	0.00	73	58	60	29	0	8	107	29.73	0.00	77	66	69	20	0	0
21	0	29.80	0.00	55	53	93	21	0	0	0	29.87	0.00	63	56	79	25	0	0	0	29.72	0.00	69	64	83	28	0	0
AUG 13									AUG 14									AUG 15									
00	0	29.73	0.12	65	62	91	08	0	0	0	29.78	0.00	54	52	95	05	0	0	0	29.95	0.00	52	50	94	04	0	0
03	0	29.70	0.00	62	61	95	29	0	0	0	29.78	0.00	54	52	96	05	0	0	0	29.97	0.00	51	50	95	04	0	0
06	0	29.71	0.00	62	61	96	29	0	0	5	29.81	0.00	54	53	96	05	0	0	5	30.00	0.00	48	47	96	04	0	0
10	132	29.72	0.00	69	68	95	21	0	0	633	29.86	0.00	64	60	86	30	0	0	448	30.02	0.00	64	56	75	04	0	0
12	355	29.72	0.00	74	66	78	29	0	6	768	29.85	0.00	71	61	71	30	0	0	795	30.03	0.00	72	54	53	04	0	0
15	828	29.70	0.00	79	64	61	05	0	2	714	29.86	0.00	75	61	62	00	0	6	712	29.99	0.00	75	58	54	30	0	0
18	74	29.72	0.00	73	62	70	01	0	5	62	29.88	0.00	71	59	67	07	0	0	84	29.95	0.00	73	58	59	03	0	0
21	0	29.77	0.00	57	54	91	05	0	0	0	29.92	0.00	55	52	90	04	0	0	0	29.96	0.00	61	57	88	03	0	0
AUG 16									AUG 17									AUG 18									
00	0	29.95	0.00	60	57	92	03	0	0	0	29.94	0.00	65	63	95	15	0	0	0	29.90	0.00	62	61	96	20	0	9
03	0	29.94	0.00	60	58	92	24	0	0	0	29.92	0.00	65	63	92	17	0	3	0	29.91	0.00	62	61	96	20	0	5
06	0	29.95	0.00	61	60	95	21	0	0	0	29.93	0.00	67	65	93	20	2	10	0	29.92	0.00	62	61	96	24	0	0
09	148	29.97	0.00	65	63	94	17	0	8									169	29.96	0.00	66	65	96	20	1	7	
12	840	29.97	0.00	74	66	77	20	1	7	812	29.92	0.00	79	69	72	27	1	10	355	29.94	12.00	77	70	78	16	1	7
15	308	29.95	0.00	76	64	67	20	0	6	304	29.89	0.00	81	69	69	27	0	7	615	29.92	12.26	81	70	70	22	0	7
18	183	29.93	0.00	73	65	75	19	0	0	9	29.89	0.00	69	66	89	11	0	0	155	29.88	0.00	78	68	72	16	0	4
21	0	29.94	0.00	64	61	91	15	0	0	0	29.88	0.00	64	62	94	23	0	0	0	29.86	0.00	67	64	89	18	0	0

MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	1.12	2.12	3.08	4.16	6.08	9.12	12.12	16.12	20.12	24.12	30.12	36.12
Ended: Date	18	22	18	23	18	18	18	22	22	23	23	23
Ended: Time	1041	0840	1145	1453	1145	1209	1209	2209	2305	1352	1352	1352

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

August 2019: Westford

Hour	AUG 19									AUG 20									AUG 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
00	0	29.83	0.00	67	66	95	20	1	7	0	29.93	0.00	66	60	83	23	0	6	0	29.95	0.00	60	56	88	19	0	3
03	0	29.84	0.00	67	65	94	20	0	0	0	29.97	0.00	59	57	92	28	0	0	0	29.92	0.00	59	56	89	20	0	0
06	0	29.83	0.00	66	64	95	23	1	6	0	30.01	0.00	54	52	95	28	0	0	0	29.87	0.00	63	59	86	19	1	6
09	79	29.83	0.00	67	65	93	17	1	12	434	30.04	0.00	70	63	77	28	0	0	271	29.85	0.00	71	65	80	20	0	9
12	246	29.84	0.00	75	68	81	21	0	11	770	30.02	0.00	79	60	52	13	0	0	25	29.86	0.23	67	65	91	26	3	13
15	916	29.83	0.00	80	71	76	22	4	14	686	29.99	0.00	82	63	53	30	0	4	86	29.81	0.04	69	67	94	21	0	0
18	121	29.81	0.00	78	68	71	25	0	4	49	29.95	0.00	79	62	56	19	1	7	91	29.77	12.00	71	68	90	16	0	0
21	0	29.90	0.00	69	62	78	26	0	5	0	29.96	0.00	61	58	89	20	0	0	0	29.76	12.26	65	63	94	22	0	5
AUG 22									AUG 23									AUG 24									
00	0	29.72	12.00	65	64	96	19	0	7	0	29.85	12.00	58	56	94	26	0	0	0	30.06	0.00	54	51	89	35	0	0
03	0	29.73	0.00	65	64	96	21	0	9	0	29.87	12.00	58	55	90	27	0	0	0	30.09	0.00	51	48	92	01	0	0
06	0	29.71	0.00	66	65	96	21	0	8	0	29.91	0.00	53	51	94	27	0	0	0	30.14	0.00	50	49	95	01	0	0
09	575	29.73	12.00	71	70	96	20	0	15	237	29.96	12.26	62	57	83	31	0	12	118	30.20	0.00	56	54	93	00	0	0
12	436	29.76	0.00	78	65	66	26	1	19	800	29.97	12.26	68	57	69	30	0	9	362	30.21	0.00	62	56	82	27	0	0
15	415	29.79	0.00	74	63	70	29	0	0	617	29.98	12.26	71	57	62	27	0	7	788	30.23	0.00	68	59	73	31	0	6
18	169	29.79	0.00	73	58	59	26	0	6	128	30.00	0.00	69	57	66	30	0	2	211	30.22	0.00	68	60	76	04	0	3
21	0	29.82	12.00	57	54	90	27	0	0	0	30.03	0.00	52	49	91	32	0	0	0	30.27	0.00	54	51	92	32	0	0
AUG 25									AUG 26									AUG 27									
00	0	30.28	0.00	51	50	95	32	0	0	0	30.24	0.00	51	49	94	28	0	0	0	30.08	0.00	51	49	94	31	0	0
03	0	30.27	0.00	49	48	95	32	0	0	0	30.23	0.00	47	46	95	28	0	0	0	30.05	0.00	48	46	94	31	0	0
06	0	30.30	0.00	47	46	96	32	0	0	0	30.25	0.00	44	43	95	28	0	0	0	30.04	0.00	47	45	95	31	0	0
09	410	30.33	0.00	62	61	95	32	0	0	410	30.25	0.00	62	59	88	21	0	0	418	30.03	0.00	65	58	78	21	1	7
12	891	30.32	0.00	74	61	64	31	0	5	751	30.20	0.00	72	53	50	31	0	0	905	29.99	0.00	72	59	63	20	1	8
15	613	30.26	0.00	73	54	52	02	0	2	666	30.14	0.00	76	56	50	29	1	8	698	29.92	0.00	77	59	53	27	2	12
18	214	30.22	0.00	73	62	67	30	0	1	79	30.10	0.00	74	60	60	31	0	1	100	29.90	0.00	70	58	67	21	1	8
21	0	30.24	0.00	56	53	92	28	0	0	0	30.11	0.00	55	52	92	31	0	0	0	29.91	0.00	65	56	74	18	1	9
AUG 28									AUG 29									AUG 30									
00	0	29.89	0.00	63	56	78	21	0	8	0	29.78	0.09	61	60	94	10	0	0	0	29.85	0.00	54	52	92	28	0	0
03	0	29.86	0.00	63	57	80	21	0	9	0	29.76	0.00	58	56	94	14	0	0	0	29.83	0.00	53	51	92	20	0	1
06	0	29.83	0.00	64	58	81	20	0	7	0	29.79	0.00	60	58	95	22	0	0	0	29.82	0.00	55	52	90	15	0	5
09	221	29.81	0.00	70	62	75	20	1	14	410	29.80	0.00	64	62	95	22	0	0	139	29.80	0.00	64	57	79	19	2	12
12	355	29.78	0.00	76	66	73	21	2	11	724	29.82	0.00	73	60	64	26	0	7	717	29.82	0.00	70	62	76	21	3	12
15	83	29.76	0.00	73	65	75	23	0	5	193	29.80	0.00	75	63	66	29	0	4	671	29.84	0.00	77	59	55	27	2	19
18	23	29.76	0.00	67	65	92	30	0	0	199	29.80	0.00	73	61	67	30	0	1	172	29.90	0.00	73	58	60	28	0	5
21	0	29.78	0.07	62	60	93	10	0	0	0	29.85	0.00	60	56	87	28	0	0	0	29.97	0.00	58	52	82	26	0	0
AUG 31																											
00	0	30.02	0.00	59	53	80	23	0	0																		
03	0	30.05	0.00	59	52	78	26	2	9																		
06	0	30.10	0.00	52	48	87	27	0	0																		
09	127	30.14	0.00	60	53	77	30	0	7																		
12	780	30.16	0.00	64	55	72	30	2	8																		
15	673	30.18	0.00	70	55	59	30	0	6																		
18	95	30.22	0.00	62	53	72	30	0	2																		
21	0	30.26	0.00	51	48	90	30	0	0																		

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 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	29.895	59	56	91	0.0	21	0.0
03	0	29.892	57	55	92	0.1	26	0.1
06	4	29.904	56	54	94	0.1	21	0.1
09	323	29.919	66	61	84	0.3	21	0.2
12	656	29.912	73	62	68	0.8	26	0.7
15	553	29.888	76	61	62	0.7	27	0.6
18	103	29.877	72	61	69	0.2	26	0.1
21	0	29.899	60	57	88	0.1	28	0.1

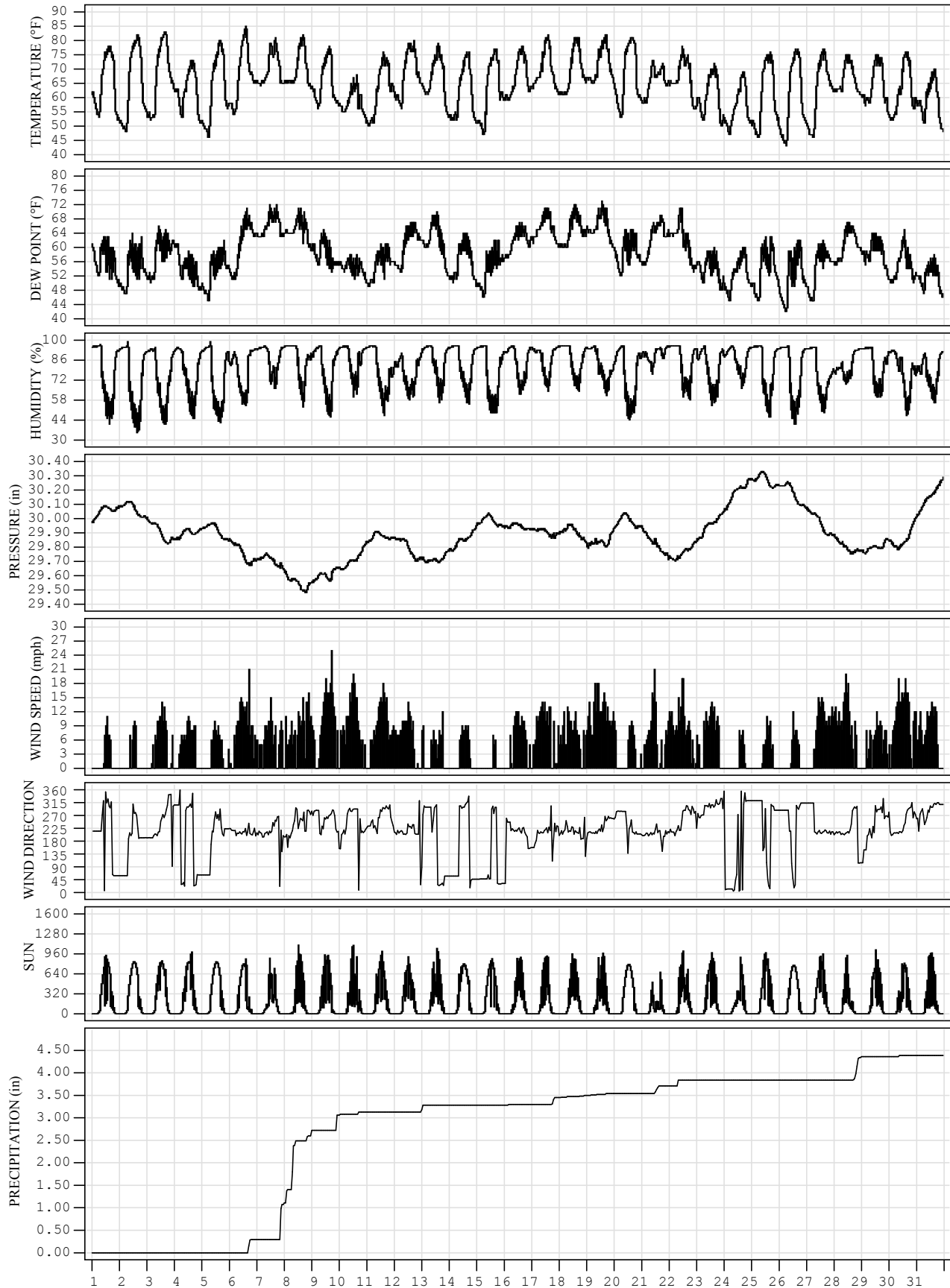
HOURLY PRECIPITATION (Water Equivalent) August 2019: Westford

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																	0.15	0.13	0.01						06
07																									07
08		0.27	0.02				0.40	0.58	0.01	0.10									0.09	0.69	0.09		0.04	08	
09																				0.09	0.02			0.12	09
10	0.02															0.05						0.34			10
11																									11
12																								0.05	12
13	0.10																								13
14																									14
15																									15
16				0.02																					16
17																		0.01	0.09	0.05					17
18		0.01					0.01		0.01									0.01					0.02		18
19				0.01					0.01							0.02									19
20																									20
21												0.04	0.05	0.04	0.04										21
22		0.00						0.13																	22
23																									23
24																									24
25																									25
26																									26
27																									27
28																	0.01	0.03	0.10	0.17	0.17	0.02		0.02	28
29																									29
30								0.03																	30
31																									31
Sum	0.12	0.28	0.02	0.03	0.00	0.00	0.41	0.71	0.05	0.10	0.00	0.04	0.05	0.04	0.04	0.00	0.23	0.18	0.20	0.31	0.88	0.47	0.00	0.23	Sum

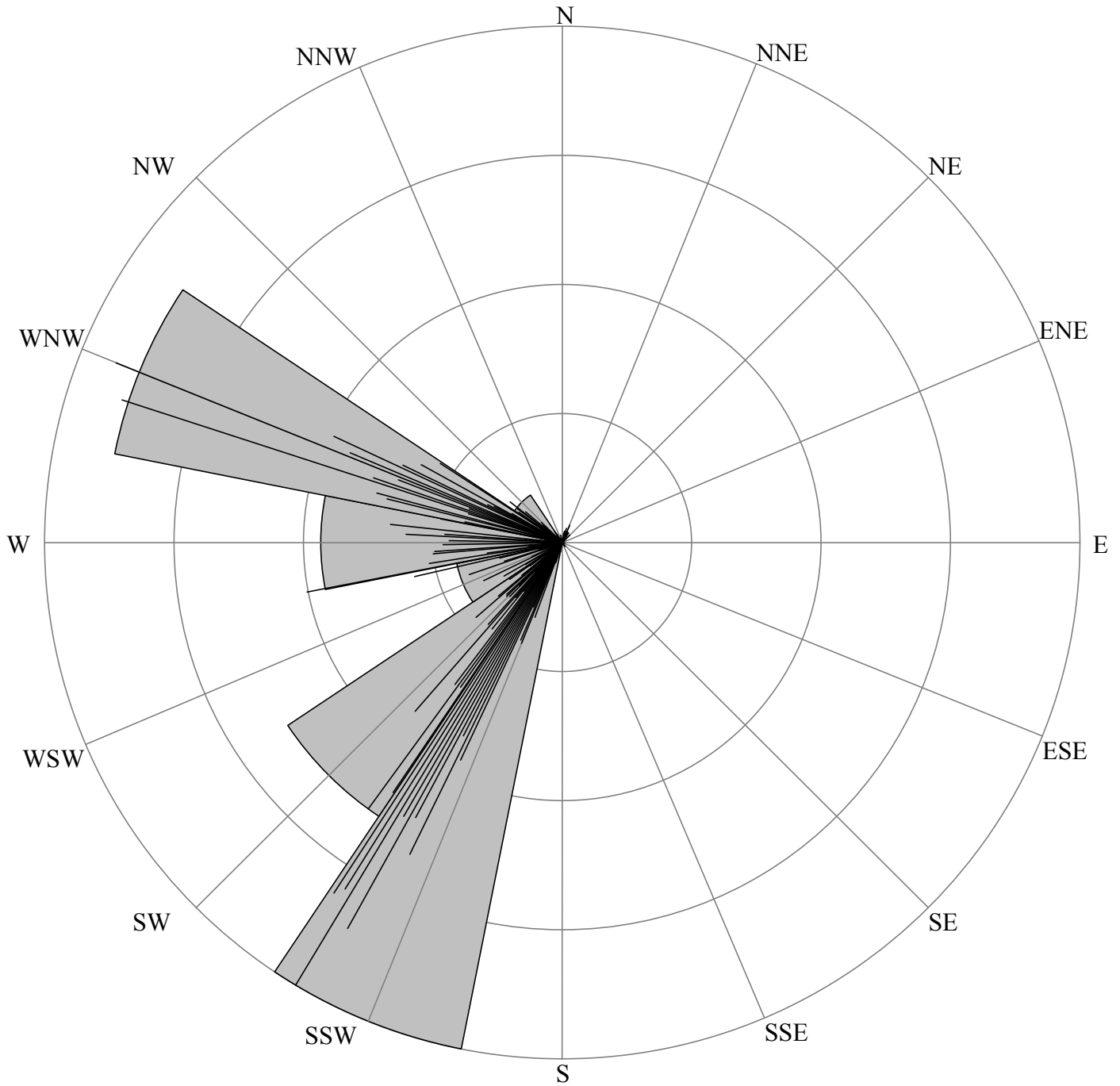
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

HOUR-BY-HOUR DATA

August 2019: Westford



Wind Rose: August 2019
Westford



Maximum direction of wind: 10.6 miles from 211°
Maximum sector of wind: 74.5 miles from SSW
249.8 total miles of wind