

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

July 2022

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	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	83.1	58.6	70.8	72.5	64	75	0	6	.....	0	0.00	0.0	30.01	29.73	29.851	1.6	1.5	183	20	SSE	8	175	210
2	81.0	61.0	71.0	71.1	61	73	0	6	.....	0	0.36	0.0	29.85	29.71	29.778	2.1	1.9	225	20	WNW	9	258	290
3	76.9	55.1	66.0	66.2	54	65	0	1	.....	0	0.00	0.0	30.02	29.84	29.937	1.7	1.6	244	17	WSW	8	279	305
4	78.0	53.7	65.9	64.9	56	75	0	1	.....	0	0.00	0.0	30.09	30.02	30.053	0.6	0.6	256	12	SSW	7	265	309
5	68.3	52.4	60.4	61.9	58	88	5	0	.....	0	0.46	0.0	30.04	29.67	29.901	0.8	0.8	172	18	SSE	7	176	94
6	74.7	54.6	64.6	64.3	60	87	0	0	.....	0	0.10	0.0	29.97	29.66	29.822	0.8	0.7	302	15	NW	7	263	208
7	80.9	49.4	65.2	64.7	58	80	0	0	.2.....	0	0.01	0.0	30.03	29.90	29.959	0.3	0.3	221	10	WSW	5	249	262
8	78.8	52.5	65.7	65.3	58	79	0	1	.....	0	0.00	0.0	30.00	29.89	29.917	1.2	1.0	243	13	W	8	267	245
9	72.6	46.2	59.4*	60.0	50	71	5	0	.....	0	0.00	0.0	30.11	30.00	30.069	0.9	0.7	292	14	W	7	245	321
10	79.4	45.2*	62.3	63.4	53	73	3	0	.....	0	0.00	0.0	30.10	29.89	30.020	0.8	0.8	200	12	SW	7	232	312
11	83.4	54.5	69.0	68.7	58	70	0	4	.....	0	0.00	0.0	29.91	29.62	29.775	1.5	1.5	177	17	S	7	179	262
12	82.5	63.6	73.0	71.4	65	81	0	9	.3.....	0	0.41	0.0	29.68	29.46	29.553	3.2	2.9	195	24	S	14	271	202
13	80.4	58.8	69.6	68.4	61	79	0	5	.....	0	0.00	0.0	29.90	29.68	29.820	0.7	0.7	256	13	W	7	259	303
14	74.2	56.2	65.2	63.3	59	86	0	0	.....	0	0.14	0.0	30.06	29.89	29.974	0.4	0.4	269	13	WSW	7	264	183
15	81.2	51.2	66.2	65.5	56	76	0	1	.....	0	0.01	0.0	30.13	30.05	30.088	0.5	0.4	260	10	WSW	5	249	312
16	85.0	54.2	69.6	68.7	60	75	0	5	.....	0	0.00	0.0	30.09	29.91	30.009	0.8	0.7	200	13	WSW	8	260	286
17	88.6	57.4	73.0	72.3	63	75	0	8	.....	0	0.00	0.0	29.97	29.89	29.934	0.6	0.5	217	14	SSE	6	181	302
18	76.4	59.9	68.2	69.5	67	92	0	3	.....	0	0.84	0.0	29.91	29.51	29.758	1.3	1.2	178	17	S	7	184	76
19	84.6	65.2	74.9	74.1	69	84	0	10	.....	0	0.35	0.0	29.65	29.49	29.587	1.9	1.8	233	19	WNW	10	239	253
20	88.5	65.2	76.8	75.3	71	86	0	12	.3.....	0	0.13	0.0	29.68	29.56	29.634	0.6	0.5	223	11	WSW	6	251	236
21	85.9	71.4	78.7*	77.4	70	79	0	14	.3.....	0	0.24	0.0	29.61	29.43	29.514	2.8	2.6	202	21	S	9	268	173
22	85.7	62.0	73.8	73.8	64	73	0	9	.....	0	0.00	0.0	29.83	29.60	29.734	2.0	1.6	222	17	SSE	9	274	288
23	89.2*	60.4	74.8	73.8	66	78	0	10	.....	0	T	0.0	29.91	29.83	29.868	1.0	1.0	181	14	SSE	7	188	234
24	86.3	64.7	75.5	76.1	68	76	0	11	.....	0	0.00	0.0	29.90	29.68	29.799	2.0	2.0	181	18	SSE	9	171	176
25	81.2	63.5	72.3	71.9	66	81	0	8	.....	0	1.23	0.0	29.86	29.63	29.705	4.1	3.3	216	26	SSE	13	245	234
26	77.2	58.5	67.8	67.1	60	78	0	3	.....	0	0.00	0.0	29.92	29.85	29.888	1.6	1.6	229	13	WSW	7	233	230
27	79.8	54.1	67.0	66.7	60	80	0	2	.....	0	0.00	0.0	29.91	29.81	29.865	0.5	0.5	199	11	WSW	5	175	252
28	83.8	56.0	69.9	68.5	64	87	0	5	.3.....	0	0.31	0.0	29.82	29.64	29.732	0.9	0.9	182	15	S	7	222	196
29	78.8	60.7	69.8	68.9	62	79	0	5	.....	0	0.01	0.0	29.84	29.71	29.778	2.4	2.2	235	21	SSE	10	243	269
30	74.6	59.8	67.2	65.1	60	83	0	3	.....	0	0.00	0.0	30.08	29.83	29.950	1.7	1.5	239	15	WSW	9	257	117
31	82.0	56.8	69.4	68.9	62	81	0	5	.....	0	0.00	0.0	30.13	29.97	30.055	1.0	1.0	208	16	WSW	7	215	255
Sum	Sum	-----	-----	---	----	Ttl	Ttl	Number of Days		Total	Total	For the month:						---					
2503	1783					13	147			4.60	0.0	30.13	29.43	29.849	1.4	1.1	215	26	SSE	14	271		
Avg	Avg	Avg	Mean	Avg	Avg	----	----	Precip	Season Ttl	Date	Date	-----	----	----	---	Date	Date	Avg					
80.7	57.5	69.1	68.7	61	78.9	----	----	≥.01 inch 14	29.76	0.0	31	21	-----	----	----	25	12	239					
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			13	223	Thunder	4	Precipitation		Snow, Ice Plts											
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	1	1.23	25	0.0	-	0				-							
0	0	0	0	----	----	Clear	8	Partly Cloudy		18	Cloudy		4										

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

July 2022: 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	Direction	Speed	Gust																																																																																																																																																																																																	
JUL 01									JUL 02									JUL 03																																																																																																																																																																																																													
00	0	30.00	0.00	59	56	90	17	0	0	0	29.73	0.00	67	63	87	16	0	1	0	29.85	0.00	61	52	73	19	1	6	03	0	29.96	0.00	64	56	75	17	1	6	0	29.72	0.09	68	65	89	22	2	13	0	29.86	0.00	62	50	66	21	2	11	06	46	29.92	0.00	67	59	76	18	2	7	26	29.74	0.00	65	63	96	21	2	6	18	29.89	0.00	60	49	67	23	2	9	09	329	29.89	0.00	75	65	70	17	1	10	605	29.77	0.00	70	68	92	20	1	10	526	29.94	0.00	67	54	62	22	2	6	12	271	29.85	0.00	82	67	61	20	4	12	907	29.81	0.00	75	62	64	25	7	14	888	29.96	0.00	74	59	59	24	3	8	15	399	29.78	0.00	82	68	63	18	4	17	819	29.80	0.00	79	60	52	27	5	9	937	29.95	0.00	77	61	58	24	2	7	18	100	29.76	0.00	79	68	71	29	0	2	165	29.79	0.00	78	62	58	23	0	2	207	29.96	0.00	71	54	56	26	4	10	21	0	29.76	0.00	70	65	84	29	0	0	0	29.81	0.00	67	57	70	19	0	5	0	29.99	0.00	60	52	75	25	0	0
JUL 04									JUL 05									JUL 06																																																																																																																																																																																																													
00	0	30.02	0.00	56	50	82	25	0	0	0	30.03	0.00	56	54	92	20	0	0	0	29.67	0.00	63	62	97	14	0	0	03	0	30.04	0.00	55	53	91	22	0	4	0	30.02	0.00	53	51	95	20	0	0	0	29.67	0.00	63	62	97	24	0	3	06	35	30.08	0.00	54	52	93	21	0	0	25	30.01	0.00	55	53	94	20	0	1	0	29.74	0.00	60	59	98	28	5	14	09	508	30.08	0.00	68	57	69	22	1	9	181	29.99	0.00	65	58	77	15	1	6	83	29.82	0.00	59	59	98	28	0	8	12	940	30.09	0.00	73	55	53	22	1	6	272	29.95	0.00	67	59	75	15	1	4	213	29.85	0.00	68	63	84	35	0	5	15	846	30.06	0.00	76	60	56	25	4	9	264	29.86	0.00	68	61	81	12	1	7	909	29.87	0.00	73	63	70	34	0	8	18	381	30.03	0.00	78	61	56	28	0	3	39	29.78	0.00	66	62	87	16	2	6	394	29.90	0.00	74	62	65	00	1	6	21	0	30.03	0.00	60	55	84	29	0	0	0	29.72	0.04	63	61	95	15	0	3	0	29.92	0.00	59	56	88	35	0	0
JUL 07									JUL 08									JUL 09																																																																																																																																																																																																													
00	0	29.97	0.00	55	53	95	27	0	0	0	29.91	0.00	57	55	92	27	0	0	0	30.00	0.00	58	52	80	35	0	3	03	0	29.97	0.00	52	50	96	26	0	0	0	29.90	0.00	53	51	95	27	0	0	0	30.03	0.00	52	47	84	01	0	3	06	33	30.00	0.00	50	50	98	26	0	0	25	29.90	0.00	56	55	95	22	0	3	18	30.06	0.00	46	44	91	34	1	4	09	185	30.02	0.00	68	59	75	24	0	0	223	29.91	0.00	65	60	83	19	2	5	517	30.10	0.00	61	51	68	00	0	9	12	202	29.98	0.00	72	62	70	23	1	5	865	29.91	0.00	75	63	66	27	3	10	875	30.10	0.00	67	54	62	27	2	9	15	951	29.94	0.00	77	61	59	21	2	4	942	29.90	0.00	78	64	64	24	1	9	828	30.08	0.00	70	53	55	27	2	8	18	422	29.90	0.00	80	64	58	25	0	3	392	29.91	0.00	74	64	71	25	2	13	390	30.06	0.00	72	54	54	27	1	4	21	0	29.90	0.00	63	58	85	27	0	0	0	29.96	0.00	63	55	77	30	0	2	0	30.07	0.00	56	50	82	26	0	0
JUL 10									JUL 11									JUL 12																																																																																																																																																																																																													
00	0	30.06	0.00	51	48	90	26	0	0	0	29.90	0.00	58	52	81	19	0	3	0	29.62	0.00	68	59	72	17	3	7	03	0	30.07	0.00	48	46	94	26	0	0	0	29.89	0.00	55	50	83	17	0	3	0	29.58	0.00	72	62	71	16	5	13	06	19	30.10	0.00	46	45	96	26	0	0	44	29.87	0.00	57	52	85	18	1	6	0	29.57	0.14	66	63	91	18	5	11	09	506	30.09	0.00	65	55	71	15	1	6	420	29.85	0.00	68	57	68	18	5	11	638	29.51	0.00	72	66	79	17	10	18	12	837	30.06	0.00	74	58	58	19	1	5	849	29.80	0.00	76	62	62	19	3	11	835	29.50	0.00	77	70	79	18	4	17	15	824	30.00	0.00	78	59	52	15	2	11	868	29.74	0.00	80	61	52	17	4	10	258	29.46	0.00	79	70	76	20	4	16	18	413	29.94	0.00	78	57	49	16	3	9	367	29.66	0.00	83	63	50	17	5	15	79	29.53	0.00	72	66	82	26	0	9	21	0	29.92	0.00	64	58	80	19	0	0	0	29.65	0.00	66	58	75	18	0	0	0	29.62	0.00	68	62	81	22	3	6
JUL 13									JUL 14									JUL 15																																																																																																																																																																																																													
00	0	29.68	0.00	64	62	93	22	2	6	0	29.90	0.00	60	57	91	00	0	0	0	30.05	0.00	56	55	96	27	0	0	03	0	29.73	0.00	63	61	95	24	1	3	0	29.91	0.00	60	59	95	00	0	0	0	30.08	0.00	54	52	96	27	0	0	06	18	29.78	0.00	59	58	96	26	0	0	0	29.93	0.00	59	57	94	24	0	3	16	30.10	0.00	52	51	97	27	0	0	10	531	29.83	0.00	69	64	83	30	2	5	97	29.96	0.00	58	57	95	26	0	0	494	30.12	0.00	68	62	81	19	0	4	12	806	29.84	0.00	74	63	67	24	0	2	253	30.00	0.00	63	60	89	26	0	0	860	30.11	0.00	75	60	59	24	1	4	15	925	29.85	0.00	77	61	58	31	1	9	454	29.98	0.00	72	61	69	26	2	8	814	30.09	0.00	79	56	46	27	1	9	18	310	29.86	0.00	77	59	53	00	1	5	373	29.99	0.00	73	62	69	35	0	6	320	30.08	0.00	80	61	52	28	0	4	21	20	29.87	0.00	69	61	76	00	0	0	0	30.02	0.00	60	57	89	27	0	0	0	30.06	0.00	61	55	82	27	0	0
JUL 16									JUL 17									JUL 18																																																																																																																																																																																																													
00	0	30.09	0.00	56	54	92	27	0	0	0	29.95	0.00	60	57	91	25	0	0	0	29.91	0.00	62	60	93	27	0	0	03	0	30.07	0.00	54	53	94	27	0	0	0	29.95	0.00	59	57	95	25	0	0	0	29.90	0.00	63	60	90	21	0	1	06	28	30.07	0.00	55	53	93	27	0	0	18	29.95	0.00	59	58	96	21	0	0	23	29.89	0.00	66	64	92	16	1	8	09	429	30.06	0.00	67	60	78	16	1	7	475	29.97	0.00	74	68	84	17	2	11	427	29.85	0.00	75	69	82	19	2	7	12	851	30.02	0.00	79	62	57	16	1	6	835	29.95	0.00	82	63	52	25	0	4	139	29.82	0.00	72	69	90	16	3	9	15	802	29.97	0.00	83	64	52	24	1	8	789	29.92	0.00	87	65	49	24	1	4	100	29.72	0.13	71	69	94	18	0	2	18	72	29.92	0.00	84	67	57	20	0	5	350	29.90	0.00	86	66	50	25	0	3	12	29.61	0.11	71	69	95	17	1	5	21	0	29.94	0.00	68	61	81	25	0	0	0	29.90	0.00	69	63	82	27	0	0	0	29.56	0.00	71	71	97	15	4	12

MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.32	0.48	0.58	0.64	0.71	0.77	0.79	0.81	0.90	0.96	0.98	1.02
Ended: Date	25	25	25	25	25	25	25	25	25	25	25	25
Ended: Time	0313	0315	0320	0321	0321	0326	0332	0411	0428	0440	0447	0540

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

July 2022: 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
JUL 19									JUL 20									JUL 21									
00	0	29.51	0.00	71	70	97	18	5	12	0	29.65	0.00	69	66	91	20	0	0	0	29.56	0.00	72	69	91	14	0	0
03	0	29.53	0.10	66	65	97	10	1	13	0	29.64	0.00	66	65	96	20	0	1	0	29.52	0.00	77	68	73	19	3	13
06	16	29.59	0.00	66	65	97	25	0	4	19	29.66	0.00	65	64	97	20	0	0	47	29.50	0.00	76	68	78	18	1	8
09	366	29.59	0.00	72	69	89	25	3	12	388	29.67	0.00	75	72	89	19	0	2	199	29.51	0.00	79	71	76	15	3	14
12	387	29.60	0.00	79	71	76	25	4	16	831	29.66	0.00	85	74	70	20	3	7	446	29.50	0.00	81	74	80	20	5	15
15	780	29.59	0.00	84	71	65	22	0	0	128	29.63	0.00	85	76	74	23	0	0	812	29.45	0.00	85	78	80	23	3	6
18	308	29.60	0.00	82	70	68	25	0	0	155	29.59	0.00	80	74	83	13	0	0	366	29.50	0.00	82	73	74	18	1	10
21	0	29.63	0.00	73	67	82	23	3	10	0	29.59	0.00	74	72	93	13	0	0	0	29.56	0.00	75	67	76	24	7	16
JUL 22									JUL 23									JUL 24									
00	0	29.60	0.00	72	65	80	23	4	11	0	29.83	0.00	62	59	91	18	0	0	0	29.89	0.00	68	65	89	21	0	0
03	0	29.65	0.00	68	63	86	18	0	3	0	29.85	0.00	62	59	89	18	0	0	0	29.88	0.00	72	65	81	18	0	3
06	16	29.70	0.00	63	61	93	15	0	2	14	29.89	0.00	61	58	93	18	0	2	16	29.86	0.00	65	62	92	18	0	0
09	221	29.73	0.00	74	66	78	16	3	14	471	29.89	0.00	73	66	81	16	1	7	243	29.88	0.00	74	68	82	16	1	7
12	842	29.74	0.00	82	66	59	18	7	17	390	29.88	0.00	83	70	65	17	2	9	429	29.81	0.00	83	70	65	19	2	14
15	283	29.76	0.00	84	62	47	26	4	13	214	29.85	0.00	84	70	62	17	1	7	225	29.75	0.00	84	70	63	18	6	14
18	403	29.77	0.00	82	64	55	26	4	9	276	29.85	0.00	85	73	68	22	0	4	134	29.70	0.00	80	69	69	20	2	13
21	0	29.80	0.00	67	60	78	25	0	0	0	29.87	0.00	74	68	80	21	0	0	0	29.70	0.00	79	69	71	19	6	15
JUL 25									JUL 26									JUL 27									
00	0	29.68	0.00	75	68	80	18	3	10	0	29.86	0.00	64	60	89	27	0	0	0	29.90	0.00	59	56	90	25	0	0
03	0	29.72	0.51	69	67	92	21	4	16	0	29.87	0.00	63	59	87	22	0	5	0	29.90	0.00	55	54	95	25	0	0
06	0	29.67	0.10	68	66	96	18	4	19	14	29.89	0.00	60	57	89	24	2	8	11	29.91	0.00	54	53	96	25	0	3
09	91	29.65	0.00	69	68	96	17	3	10	629	29.92	0.00	69	60	74	26	4	10	473	29.90	0.00	68	60	76	19	1	7
12	56	29.65	2.00	77	71	82	27	8	24	508	29.92	0.00	72	61	68	23	4	8	846	29.88	0.00	78	65	66	21	0	6
15	867	29.68	0.00	80	67	64	24	8	23	069	29.89	0.00	76	64	66	27	3	10	749	29.85	0.00	79	63	58	18	1	5
18	378	29.74	0.00	75	61	62	29	3	12	364	29.88	0.00	76	62	62	25	5	10	146	29.82	0.00	78	64	61	19	1	6
21	0	29.81	0.00	67	59	78	24	0	4	0	29.89	0.00	62	58	86	23	0	0	0	29.82	0.00	64	61	88	19	0	0
JUL 28									JUL 29									JUL 30									
00	0	29.82	0.00	60	58	91	19	0	3	0	29.72	0.00	64	64	98	16	2	7	0	29.84	0.00	61	57	84	19	0	4
03	0	29.80	0.00	58	57	94	19	0	0	0	29.71	0.00	63	62	97	20	0	3	0	29.84	0.00	62	56	80	23	1	10
06	16	29.78	0.00	56	55	97	19	0	0	11	29.75	0.00	62	61	97	18	1	5	9	29.86	0.00	61	56	86	21	1	8
09	450	29.77	0.00	73	66	77	17	2	12	471	29.77	0.00	70	65	84	23	4	11	123	29.91	0.00	65	60	83	18	1	8
12	821	29.72	0.00	82	72	71	24	6	12	972	29.79	0.00	75	61	63	26	7	13	151	29.96	0.00	68	61	80	23	2	9
15	211	29.67	0.00	80	71	76	16	1	9	812	29.80	0.00	77	60	56	25	6	12	334	29.99	0.00	69	62	80	24	4	10
18	35	29.69	0.20	70	67	91	17	6	11	378	29.80	0.00	77	62	60	26	4	12	111	30.02	0.00	69	63	80	26	3	8
21	0	29.69	0.00	65	64	95	16	0	1	0	29.83	0.00	66	58	76	24	1	8	0	30.06	0.00	63	60	90	24	0	0
JUL 31																											
00	0	30.08	0.00	60	58	94	24	0	0																		
03	0	30.09	0.00	61	59	93	21	0	0																		
06	11	30.11	0.00	57	56	95	21	0	2																		
09	461	30.11	0.00	71	65	81	17	1	10																		
12	271	30.07	0.00	76	65	69	20	2	14																		
15	255	30.03	0.00	79	66	65	16	0	8																		
18	306	30.00	0.00	79	67	67	24	0	0																		
21	0	30.00	0.00	67	63	87	23	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	29.848	62	59	89	0.6	19	0.6
03	0	29.850	61	58	89	0.6	20	0.5
06	19	29.863	59	57	92	0.9	21	0.6
09	379	29.873	69	63	80	1.9	19	1.5
12	602	29.864	76	64	68	2.8	23	2.3
15	628	29.836	78	64	63	2.4	23	1.9
18	263	29.823	77	64	66	1.7	23	1.1
21	1	29.837	66	61	83	0.8	21	0.7

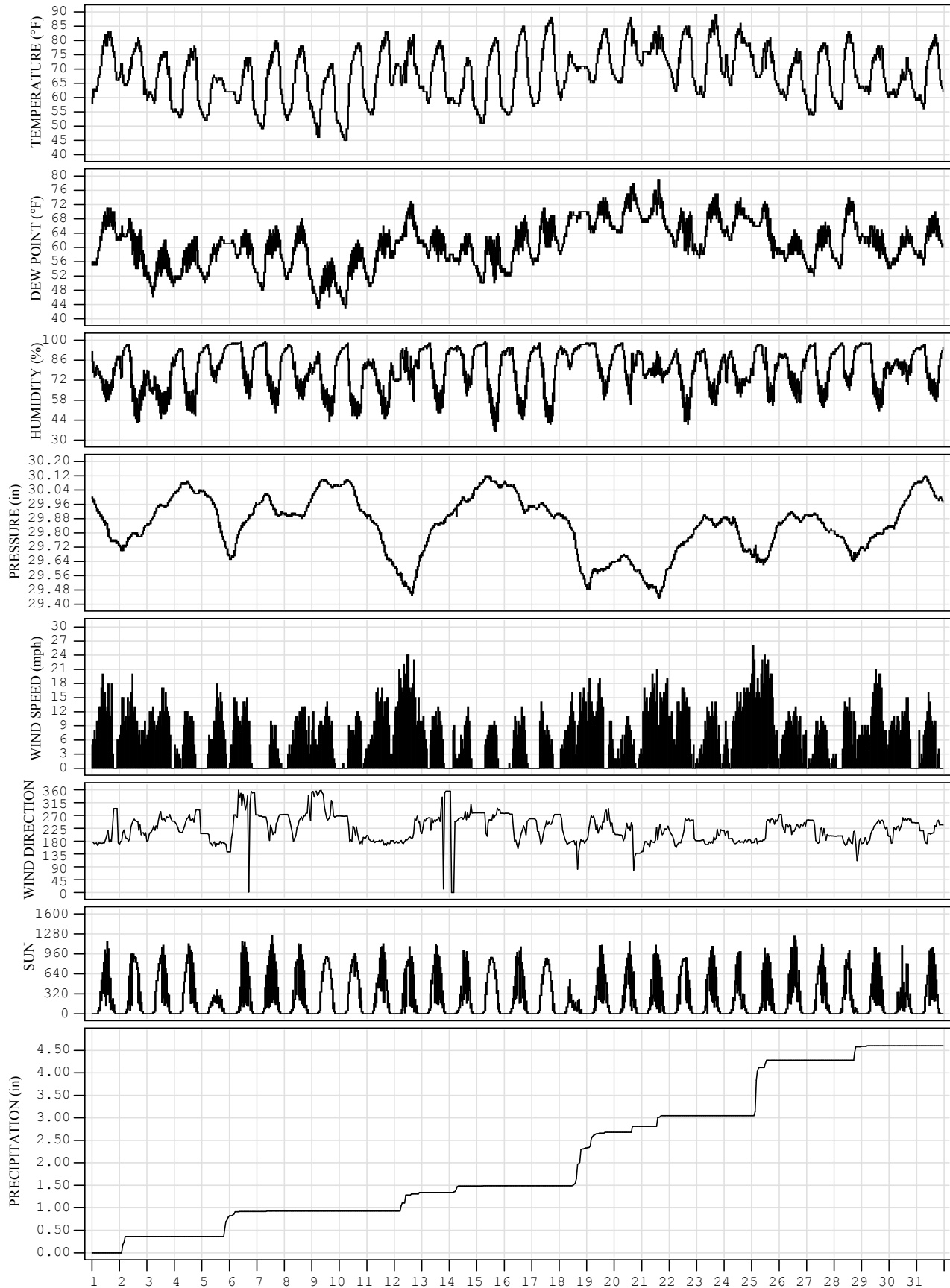
HOURLY PRECIPITATION (Water Equivalent) July 2022: Westford

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			0.18	0.05	0.13																			02	
03																								03	
04																								04	
05																			0.16	0.17	0.04	0.06	0.03	05	
06			0.02	0.02	0.05																			06	
07								0.01																07	
08								0.01																08	
09																								09	
10																								10	
11																								11	
12						0.12	0.06			0.17				0.03							0.03			12	
13																								13	
14				0.01	0.01	0.04	0.07	0.01																14	
15					0.01																			15	
16																								16	
17																								17	
18																								18	
19	0.01		0.03	0.16	0.05	0.03	0.01	0.02	0.01		0.01	0.02	0.02	0.11	0.32	0.01	0.03	0.28	0.02		0.01	0.01		19	
20															0.02									20	
21															0.13									21	
22													0.20		0.01	0.03								22	
23																								23	
24																								24	
25			0.09	0.70	0.19	0.08	0.01				0.09	0.07												25	
26																								26	
27																								27	
28																	0.18	0.12						28	
29					0.01																		0.01	29	
30																								30	
31																								31	
Sum	0.01	0.00	0.32	0.94	0.44	0.28	0.15	0.03	0.03	0.17	0.01	0.10	0.09	0.22	0.14	0.48	0.04	0.21	0.40	0.18	0.17	0.08	0.07	0.04	Sum

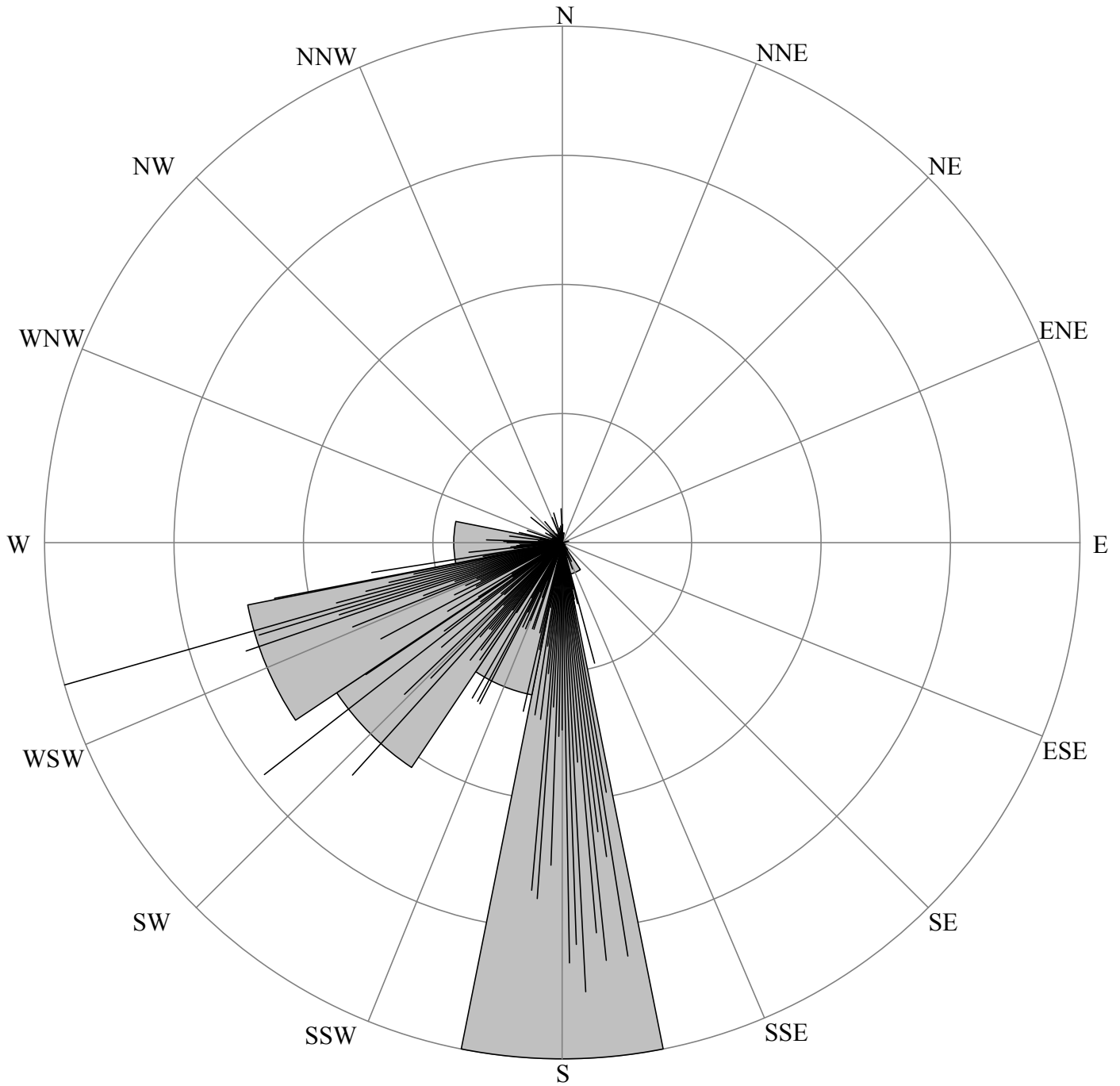
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

HOUR-BY-HOUR DATA

July 2022: Westford



Wind Rose: July 2022
Westford



Maximum direction of wind: 31.7 miles from 254°
Maximum sector of wind: 364.1 miles from S
1017.8 total miles of wind