

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

July 2023

Station: Westford

Latitude: 43° 37' 38" N

Longitude: 73° 02' 30" W

Elevation (Ground): 850 feet

Time Zone: Eastern

Date	Temperature						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			Wind						Solar				
	Maximum	Minimum	Average	Mean	Dew Point	Hu- mid- ity	Heating Base 65°F	Cooling Base 65°F			Water Equivalent	Ice Pellets Snow	Adj. to Sea Level			Avg	Res	Res	Peak		2 Minute					
													Maximum	Minimum	Mean				Speed	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	59.1	71.3	71.4	65	81	0	7	8.	0	0.06	0.0	29.98	29.81	29.901	1.1	1.0	166	22	SSE	8	174	210			
2	71.3	63.9	67.6	67.2	65	93	0	3	.....	0	0.29	0.0	29.84	29.77	29.802	0.9	0.9	175	17	S	7	178	100			
3	78.3	62.5	70.4	69.6	67	90	0	6	.....	0	0.00	0.0	29.84	29.75	29.795	0.2	0.2	271	9	W	5	262	147			
4	86.2	61.9	74.0	72.0	68	88	0	9	..3.....	0	0.02	0.0	29.90	29.82	29.857	0.3	0.3	269	14	NNW	7	255	234			
5	89.8	60.5	75.2	74.3	69	84	0	11	.....	0	0.01	0.0	29.93	29.87	29.903	0.4	0.3	225	10	W	4	242	293			
6	90.5*	66.5	78.5*	78.1	71	80	0	14	.....	0	0.00	0.0	29.91	29.75	29.842	0.6	0.5	200	13	SSE	6	239	284			
7	83.3	66.4	74.9	73.1	70	89	0	10	.....	0	0.03	0.0	29.81	29.75	29.780	0.7	0.6	211	12	S	6	182	118			
8	87.4	62.7	75.1	74.0	69	86	0	10	.....	0	0.01	0.0	29.84	29.73	29.791	0.4	0.4	242	9	W	5	258	219			
9	83.7	62.2	72.9	71.2	68	89	0	8	.....	0	0.37	0.0	29.81	29.74	29.780	0.4	0.4	193	17	ESE	6	188	172			
10	67.8	64.3	66.1	65.7	65	97	0	1	.....	0	2.01	0.0	29.78	29.73	29.756	0.1	0.1	12	8	NNW	4	352	36			
11	83.5	62.9	73.2	71.1	67	88	0	9	.....	0	0.64	0.0	29.81	29.71	29.752	1.4	1.1	209	15	S	7	259	232			
12	81.0	59.1	70.0	69.7	64	84	0	5	.....	0	0.00	0.0	29.88	29.78	29.833	0.6	0.4	227	11	SSE	6	265	207			
13	85.5	56.7	71.1	67.7	64	89	0	7	..3.....	0	0.09	0.0	29.86	29.62	29.763	1.1	1.0	165	18	SSE	7	195	168			
14	80.4	59.9	70.2	70.2	65	86	0	5	..3.....	0	0.20	0.0	29.89	29.79	29.849	0.3	0.2	111	11	SSE	4	60	208			
15	84.9	60.0	72.5	72.4	68	86	0	8	.....	0	0.00	0.0	29.93	29.82	29.867	0.6	0.6	193	13	S	5	188	264			
16	80.4	65.4	72.9	71.5	69	93	0	8	..3.....	0	1.04	0.0	29.83	29.66	29.730	0.5	0.5	212	12	SSE	6	227	110			
17	83.8	65.5	74.7	73.6	69	86	0	10	.....	0	0.00	0.0	29.88	29.72	29.799	1.0	1.0	184	15	S	6	179	265			
18	82.0	64.3	73.2	69.3	67	92	0	8	.....	0	0.58	0.0	29.90	29.83	29.864	0.5	0.2	202	16	W	7	264	168			
19	79.1	57.9	68.5	68.4	63	84	0	4	.....	0	0.00	0.0	30.01	29.88	29.948	1.0	0.9	254	14	W	7	260	283			
20	81.8	54.2	68.0	67.8	60	80	0	3	.....	0	0.00	0.0	30.01	29.79	29.931	0.4	0.3	196	11	S	5	173	285			
21	79.2	56.8	68.0	65.5	62	90	0	3	..3.....	0	1.18	0.0	29.79	29.61	29.683	1.0	0.9	176	21	SSE	10	268	188			
22	68.3	59.0	63.7	63.2	61	94	1	0	.....	0	0.05	0.0	29.81	29.66	29.719	0.5	0.5	204	11	SW	6	188	58			
23	83.0	53.1	68.0	67.4	62	83	0	3	.....	0	0.00	0.0	29.97	29.81	29.888	0.5	0.4	213	11	SE	5	257	264			
24	84.0	57.4	70.7	67.9	63	85	0	6	..3.....	0	T	0.0	30.03	29.96	29.993	0.8	0.8	192	20	SSE	9	181	212			
25	82.9	60.0	71.5	69.8	65	85	0	7	.....	0	0.02	0.0	30.02	29.95	29.981	0.8	0.7	206	11	S	5	248	232			
26	83.9	61.4	72.7	72.6	67	83	0	8	.....	0	0.01	0.0	29.99	29.87	29.934	1.4	1.3	186	16	SSE	7	167	247			
27	74.9	63.6	69.3	69.4	67	93	0	5	..3.....	0	1.26	0.0	29.88	29.72	29.799	0.9	0.7	220	15	SSE	6	261	54			
28	85.8	62.5	74.2	73.9	69	86	0	10	.....	0	0.00	0.0	29.91	29.81	29.864	1.5	1.3	212	18	S	8	233	257			
29	73.1	52.5	62.8	63.3	61	92	2	0	.....	0	0.39	0.0	29.84	29.75	29.795	0.3	0.2	334	10	N	4	242	89			
30	75.0	50.4*	62.7	62.3	56	83	2	0	.....	0	0.01	0.0	29.92	29.82	29.872	0.8	0.8	261	13	W	7	279	295			
31	71.9	52.7	62.3*	61.5	57	86	2	0	.....	0	0.01	0.0	30.01	29.83	29.905	0.9	0.8	254	14	WNW	8	274	177			
Sum		Sum	-----	-----	---	----	Ttl	Ttl	Number of Days		Total	Total	For the month:										---			
2506	1865						7	188			8.28	0.0	30.03	29.61	29.838	0.7	0.5	206	22	SSE	10	268				
Avg	Avg	Avg	Mean	Avg	Avg	----	----	Precip	≥.01 inch	21	Season Ttl		Date	Date	-----	----	----	---	Date	Date	Avg					
80.8	60.2	70.5	69.5	65	87.2	----	----				29.42	0.0	24	21	-----	----	----	---	1	21	196					
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			7	273	Thunder	7	Precipitation		Snow, Ice Plts														
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog		0	2.17	10-11	0.0	-	0		-											
2	0	0	0	0	----	----	Clear	6	Partly Cloudy		16	Cloudy	7													

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.

OBSERVATIONS AT 3-HOUR INTERVALS

July 2023: 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 01									JUL 02									JUL 03									
00	0	29.97	0.00	62	60	93	18	0	0	0	29.84	0.00	67	66	95	20	0	0	0	29.78	0.00	64	63	96	12	0	0
03	0	29.95	0.00	60	58	95	18	0	0	0	29.81	0.00	66	64	95	16	0	5	0	29.76	0.00	63	62	97	12	0	1
06	40	29.96	0.00	63	61	92	18	1	6	21	29.81	0.00	64	63	95	17	4	12	23	29.78	0.00	63	62	97	09	0	0
09	383	29.95	0.00	74	67	78	14	1	8	86	29.82	0.00	65	63	93	17	6	12	218	29.80	0.00	71	67	89	06	0	3
12	434	29.92	0.00	79	70	72	15	1	12	290	29.81	0.00	68	66	92	18	3	6	570	29.81	0.00	76	71	83	24	0	6
15	350	29.87	0.00	82	69	65	18	1	10	195	29.79	0.00	70	67	92	17	0	2	329	29.80	0.00	74	70	88	24	0	6
18	90	29.82	0.00	78	69	74	11	1	12	162	29.77	0.00	71	68	89	11	0	0	339	29.80	0.00	78	70	79	25	0	0
21	0	29.83	0.00	73	66	79	16	1	5	0	29.78	0.00	67	65	93	12	0	0	0	29.82	0.00	68	66	93	26	0	0
JUL 04									JUL 05									JUL 06									
00	0	29.84	0.00	66	65	96	26	0	0	0	29.90	0.00	63	62	96	05	0	0	0	29.90	0.00	70	69	96	25	0	0
03	0	29.84	0.00	65	64	97	26	0	0	0	29.91	0.00	62	61	97	05	0	0	0	29.90	0.00	67	66	96	25	0	0
06	25	29.84	0.00	62	62	97	26	0	0	26	29.92	0.00	61	60	97	05	0	0	25	29.91	0.00	67	66	97	25	0	0
09	496	29.88	0.00	74	71	90	26	0	0	469	29.92	0.00	75	70	86	18	1	4	461	29.89	0.00	81	74	81	17	0	1
12	378	29.86	0.00	84	75	75	26	1	4	826	29.91	0.00	84	73	69	19	1	6	831	29.86	0.00	88	75	66	20	1	6
15	805	29.83	0.00	86	75	69	26	3	8	779	29.90	0.00	88	75	65	25	1	7	810	29.80	0.00	90	78	67	21	0	6
18	12	29.85	0.00	72	67	84	28	1	4	308	29.87	0.00	88	76	68	25	1	3	345	29.77	0.00	89	75	63	17	2	7
21	0	29.88	0.00	68	65	92	05	0	0	0	29.89	0.00	72	69	89	25	0	0	0	29.77	0.00	75	67	76	16	0	7
JUL 07									JUL 08									JUL 09									
00	0	29.77	0.00	70	67	88	17	0	1	0	29.80	0.00	67	66	97	21	0	1	0	29.77	0.00	70	66	90	26	2	6
03	0	29.75	0.00	69	67	92	17	0	3	0	29.82	0.00	67	66	97	20	0	3	0	29.78	0.00	66	64	94	10	0	1
06	39	29.77	0.00	71	68	89	17	1	7	19	29.83	0.00	63	62	97	21	0	0	25	29.80	0.00	62	61	95	10	0	0
09	473	29.78	0.00	80	72	78	19	2	9	186	29.83	0.00	73	70	92	17	2	4	432	29.80	0.00	77	72	85	22	1	6
12	188	29.78	0.00	79	73	80	26	2	9	214	29.82	0.00	79	72	78	24	2	9	861	29.78	0.00	82	71	70	09	0	6
15	93	29.78	0.00	75	72	90	30	0	3	675	29.77	0.00	85	73	67	22	0	5	132	29.77	0.40	71	65	83	13	0	2
18	97	29.80	0.00	72	70	93	23	0	1	360	29.74	0.00	87	73	65	23	2	6	32	29.76	0.00	74	69	86	11	1	8
21	0	29.80	0.00	70	69	95	21	0	0	0	29.74	0.00	71	68	88	25	0	0	0	29.81	0.00	66	65	95	18	1	5
JUL 10									JUL 11									JUL 12									
00	0	29.78	0.00	66	65	96	12	0	1	0	29.74	0.00	65	64	98	01	0	0	0	29.81	0.00	71	64	78	25	1	11
03	0	29.77	0.07	65	64	97	12	0	0	0	29.72	0.10	64	64	98	01	0	0	0	29.79	0.00	63	61	95	28	0	0
06	12	29.76	0.00	65	64	97	12	0	0	0	29.77	0.18	63	63	98	26	2	8	23	29.81	0.00	64	63	96	18	0	4
09	81	29.77	0.20	65	64	97	04	0	2	167	29.76	0.00	65	64	98	20	1	4	236	29.85	0.00	72	67	83	17	0	10
12	91	29.76	0.00	67	66	95	02	0	4	747	29.76	0.00	73	69	87	14	1	10	907	29.83	0.00	79	71	75	22	3	8
15	25	29.75	0.19	67	66	95	01	0	0	754	29.73	0.00	81	73	77	12	1	8	290	29.84	0.00	78	70	76	23	0	4
18	53	29.73	0.17	66	65	97	00	1	3	332	29.73	0.00	83	73	73	18	1	15	418	29.85	0.00	78	67	68	01	0	2
21	0	29.75	0.00	66	65	97	34	0	0	0	29.77	0.00	73	67	83	22	0	4	0	29.88	0.00	64	60	88	01	0	0
JUL 13									JUL 14									JUL 15									
00	0	29.86	0.00	59	57	94	01	0	0	0	29.80	0.00	63	61	94	19	0	4	0	29.85	0.00	67	65	95	14	0	1
03	0	29.85	0.00	57	56	96	03	0	0	0	29.81	0.00	61	60	96	17	1	3	0	29.87	0.00	64	63	96	19	1	4
06	9	29.84	0.00	59	58	97	03	0	0	19	29.86	0.00	61	60	97	18	0	4	19	29.86	0.00	60	59	97	17	0	0
10	109	29.83	0.00	64	63	98	05	0	0	540	29.86	0.00	71	66	85	17	0	2	455	29.92	0.00	70	69	96	18	0	5
12	371	29.75	0.00	73	70	91	13	0	4	446	29.88	0.00	75	65	70	07	0	1	819	29.90	0.00	81	71	73	18	3	7
15	793	29.66	0.00	84	73	68	15	3	11	531	29.86	0.00	80	71	74	07	1	3	531	29.87	0.00	83	71	68	19	0	5
18	21	29.66	0.00	77	70	77	19	3	12	272	29.84	0.00	78	70	76	04	0	0	294	29.83	0.00	83	73	72	16	1	4
21	0	29.74	0.00	66	63	91	19	3	12	0	29.84	0.00	71	68	91	10	0	0	0	29.84	0.00	70	67	90	18	0	0
JUL 16									JUL 17									JUL 18									
00	0	29.83	0.00	66	64	95	18	0	0	0	29.73	0.00	67	66	96	22	0	0	0	29.88	0.00	66	64	96	16	0	0
03	0	29.80	0.00	68	66	95	16	0	4	0	29.74	0.00	69	68	97	17	2	8	0	29.85	0.00	65	64	97	16	0	0
06	9	29.75	0.00	70	68	93	13	0	4	18	29.78	0.00	67	67	98	16	0	5	11	29.85	0.00	67	66	97	17	0	6
09	111	29.74	0.00	71	69	96	18	1	6	422	29.80	0.00	71	69	93	21	1	4	162	29.89	0.00	66	65	97	03	1	5
12	63	29.71	0.05	70	69	96	18	0	0	789	29.81	0.00	80	71	76	17	0	12	761	29.88	0.00	79	71	78	17	2	9
15	313	29.67	0.00	79	74	85	20	0	6	715	29.80	0.00	83	70	64	17	4	11	40	29.83	0.00	80	73	80	24	0	6
18	39	29.67	0.00	77	72	85	28	0	7	241	29.81	0.00	82	70	69	15	1	5	153	29.84	0.00	72	68	88	08	0	0
21	0	29.71	0.00	71	70	95	26	0	0	0	29.83	0.00	70	67	92	16	0	0	0	29.86	0.00	67	65	94	08	0	0

OBSERVATIONS AT 3-HOUR INTERVALS

July 2023: 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	29.88	0.00	65	64	96	08	0	0	0	30.00	0.00	58	56	95	01	0	0	0	29.79	0.00	58	56	91	12	0	0
03	0	29.89	0.00	63	62	97	18	1	5	0	30.00	0.00	56	54	96	01	0	0	0	29.73	0.00	57	56	95	12	0	0
06	16	29.92	0.00	63	62	97	20	0	2	16	29.99	0.00	54	53	96	01	0	0	0	29.72	0.47	62	61	96	18	0	0
09	659	29.96	0.00	70	66	88	24	4	9	473	30.00	0.00	72	65	79	01	0	0	102	29.69	0.00	64	63	97	17	1	6
12	035	29.97	0.00	76	66	71	25	0	9	933	29.97	0.00	79	65	64	10	0	3	759	29.67	0.00	75	68	81	17	4	10
15	798	29.96	0.00	78	62	59	27	6	10	645	29.91	0.00	81	60	49	22	1	6	360	29.63	0.00	78	69	75	12	3	8
18	362	29.96	0.00	76	65	69	34	1	6	374	29.86	0.00	81	64	57	22	0	8	18	29.65	0.32	66	63	90	27	4	12
21	0	29.98	0.00	61	58	89	01	0	0	0	29.83	0.00	64	60	87	23	0	0	0	29.67	0.00	61	60	94	17	0	0
JUL 22									JUL 23									JUL 24									
00	0	29.67	0.00	60	59	96	17	0	0	0	29.81	0.00	59	58	96	12	0	0	0	29.97	0.00	62	60	95	04	0	0
03	0	29.66	0.00	60	59	96	20	0	1	0	29.83	0.00	57	56	97	17	0	0	0	29.99	0.00	58	57	96	04	0	0
06	19	29.67	0.00	60	59	97	20	1	8	16	29.87	0.00	54	53	97	17	0	0	16	30.02	0.00	58	57	97	04	0	0
09	91	29.71	0.00	62	60	94	21	2	9	469	29.90	0.00	68	63	86	16	2	9	446	30.03	0.00	72	65	80	17	2	7
12	283	29.71	0.00	68	64	87	17	1	7	837	29.91	0.00	77	65	65	22	2	6	821	30.01	0.00	82	67	62	23	3	10
15	58	29.73	0.00	68	65	91	34	0	0	195	29.90	0.00	79	68	69	31	0	0	237	29.97	0.00	79	72	78	14	0	0
18	63	29.76	0.00	66	64	94	02	0	0	86	29.89	0.00	78	69	72	03	0	2	93	29.99	0.00	69	63	83	18	3	9
21	0	29.78	0.00	63	62	95	02	0	0	0	29.92	0.00	64	61	89	04	0	0	0	29.98	0.00	63	60	90	17	0	4
JUL 25									JUL 26									JUL 27									
00	0	29.98	0.00	62	60	94	17	0	1	0	29.97	0.00	66	64	95	24	0	4	0	29.88	0.00	71	67	87	17	1	8
03	0	29.98	0.00	61	60	95	18	1	3	0	29.96	0.00	62	61	94	00	0	0	0	29.83	0.00	70	66	88	16	1	7
06	16	30.00	0.00	60	59	95	17	1	5	0	29.97	0.00	62	61	96	20	0	2	0	29.82	0.04	69	66	90	17	0	6
09	434	30.01	0.00	70	66	88	19	0	7	408	29.99	0.00	72	68	88	19	2	7	39	29.80	0.14	69	67	96	18	0	3
12	747	30.01	0.00	77	68	72	26	2	8	779	29.96	0.00	80	70	72	20	3	9	54	29.72	0.27	69	68	96	19	3	11
15	722	29.96	0.00	82	69	65	20	2	5	682	29.90	0.00	84	71	65	20	2	10	120	29.74	0.00	73	71	95	23	1	6
18	155	29.95	0.00	73	69	87	27	0	0	200	29.88	0.00	81	70	70	17	3	12	93	29.79	0.00	70	69	95	27	0	9
21	0	29.96	0.00	67	65	91	27	0	0	0	29.88	0.00	73	68	84	15	1	7	0	29.84	0.00	66	65	95	29	0	0
JUL 28									JUL 29									JUL 30									
00	0	29.86	0.00	64	63	96	29	0	0	0	29.84	0.00	71	68	90	01	0	8	0	29.83	0.00	55	55	97	00	0	0
03	0	29.87	0.00	63	62	97	27	0	0	0	29.80	0.00	66	65	95	01	0	0	0	29.83	0.00	56	55	96	27	0	7
06	14	29.90	0.00	65	64	97	19	0	3	19	29.81	0.00	65	63	93	35	0	3	12	29.86	0.00	51	50	96	01	0	0
09	461	29.90	0.00	73	70	90	16	4	13	264	29.82	0.00	67	64	90	24	1	6	469	29.90	0.00	61	57	86	31	0	5
12	800	29.89	0.00	82	75	81	19	3	11	390	29.78	0.00	71	64	79	26	1	6	833	29.91	0.00	68	59	72	27	1	9
15	603	29.85	0.00	84	74	72	19	1	8	56	29.75	0.07	61	59	93	01	0	9	802	29.88	0.00	73	62	68	23	1	4
18	316	29.82	0.00	84	73	69	25	3	9	32	29.77	0.00	57	56	94	36	0	2	332	29.85	0.00	75	61	62	25	2	5
21	0	29.82	0.00	71	68	90	19	0	0	0	29.78	0.00	53	51	93	34	0	1	0	29.86	0.00	58	55	90	22	0	0
JUL 31																											
00	0	29.87	0.00	58	55	90	25	0	0																		
03	0	29.85	0.00	58	57	96	25	0	1																		
06	9	29.84	0.00	56	54	94	18	1	5																		
09	70	29.90	0.00	62	58	88	21	2	6																		
12	608	29.91	0.00	65	61	86	27	3	6																		
15	214	29.89	0.00	69	61	77	25	2	4																		
18	77	29.93	0.00	70	61	73	27	0	8																		
21	0	29.97	0.00	55	52	88	25	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	29.845	64	63	94	0.1	25	0.1
03	0	29.836	63	62	96	0.2	18	0.2
06	17	29.848	62	61	96	0.3	19	0.3
09	318	29.861	70	66	89	1.2	19	1.0
12	596	29.847	76	69	78	1.5	21	1.2
15	440	29.819	78	69	75	1.1	21	0.7
18	186	29.813	76	68	78	1.0	21	0.6
21	0	29.832	67	64	90	0.2	18	0.2

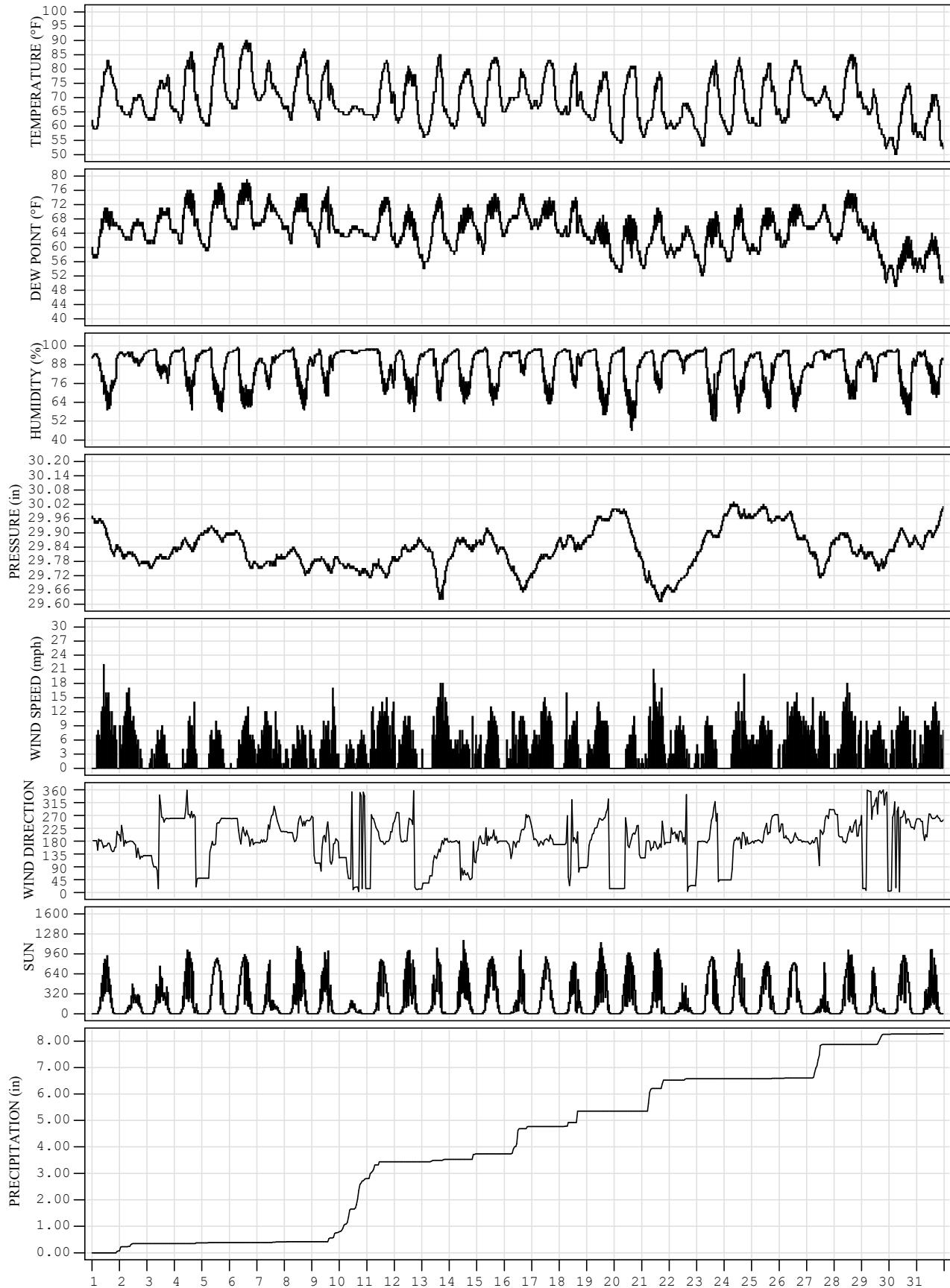
HOURLY PRECIPITATION (Water Equivalent)

July 2023: Westford

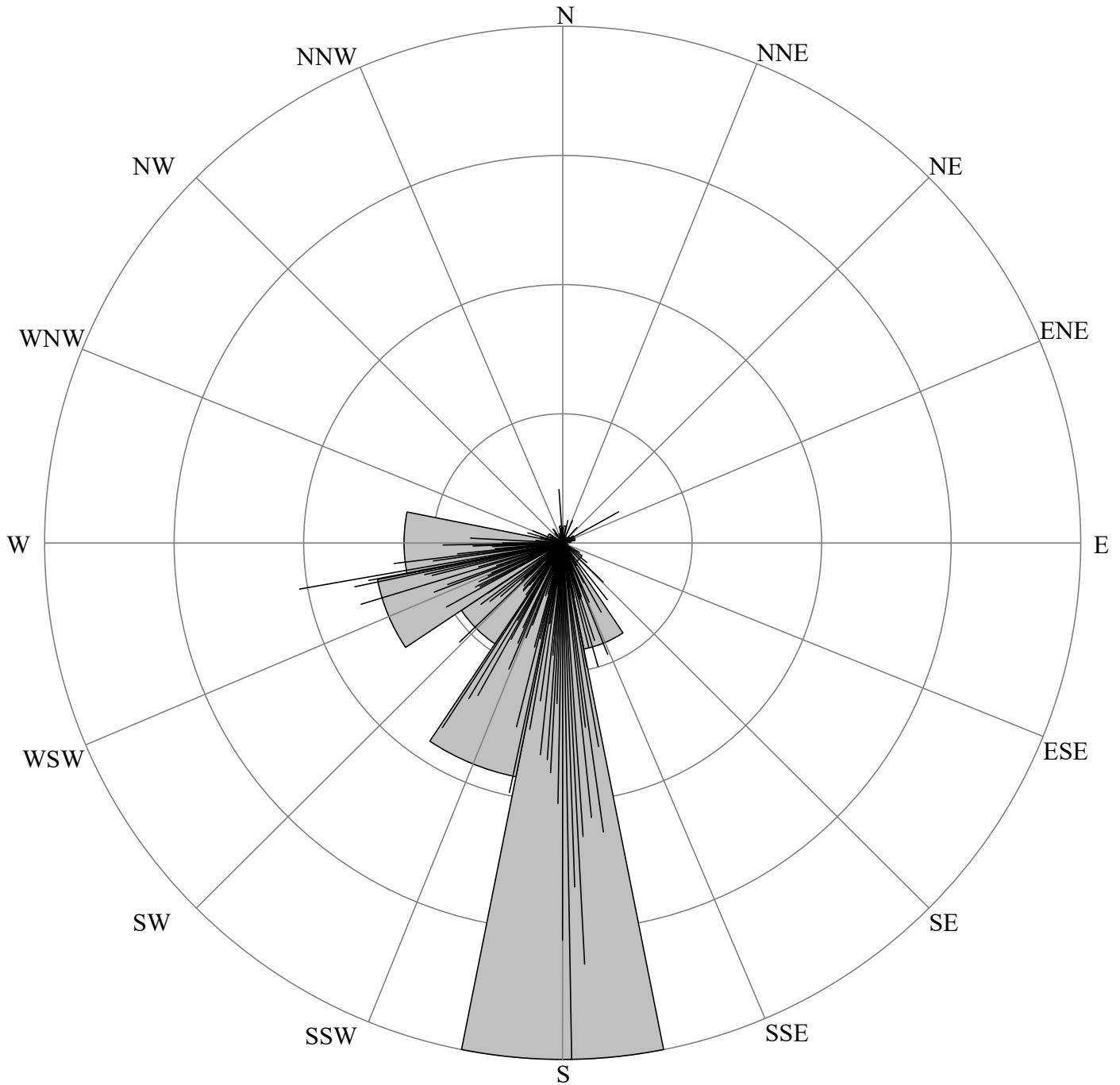
Date	A.M. Hour Ending at												P.M. Hour Ending at												Date
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	
01																									01
02	0.15	0.02						0.01		0.07	0.03	0.01										0.05	0.01		02
03																			0.02						03
04						0.01																			04
05																									05
06																									06
07														0.02			0.01								07
08		0.01																							08
09															0.11	0.03			0.02	0.15	0.02	0.01	0.01	0.02	09
10	0.01	0.04	0.08	0.12	0.03	0.01	0.06	0.21	0.26	0.04			0.04	0.12	0.22	0.33	0.22	0.06	0.07	0.01	0.05	0.03			10
11		0.01	0.18	0.04	0.06	0.06	0.16	0.01			0.12														11
12																									12
13								0.01	0.03	0.01									0.03	0.01					13
14																					0.19		0.01		14
15																									15
16							0.03	0.16	0.08	0.02	0.10	0.51	0.06							0.07	0.01				16
17																									17
18					0.01	0.01		0.13								0.43									18
19																									19
20																									20
21						0.30	0.42	0.11	0.03								0.18	0.13	0.01						21
22														0.04	0.01										22
23																									23
24																		0.02							24
25																									25
26					0.01																				26
27						0.02	0.17	0.17	0.09	0.24	0.17	0.36	0.03	0.01											27
28																									28
29														0.02	0.10	0.09	0.10	0.06	0.02						29
30		0.01																							30
31												0.01													31
Sum	0.16	0.09	0.26	0.16	0.11	0.41	0.84	0.81	0.49	0.38	0.42	0.89	0.09	0.13	0.34	0.77	0.44	0.48	0.28	0.31	0.23	0.11	0.06	0.02	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 2023: Westford



Wind Rose: July 2023
Westford



Maximum direction of wind: 20.2 miles from 179°
Maximum sector of wind: 189.2 miles from S
524.0 total miles of wind