

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### November 2021

Station: Westford  
 Latitude: 44° 37' 38" 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	Res	Res	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	52.8	40.1	46.4	47.1	37	69	18	0	.....	0	0.00	0.0	30.05	29.60	29.848	6.6	6.5	228	30	WSW	16	260	108	
2	44.3	33.0	38.6	38.2	34	86	26	0	.....	0	0.10	0.0	30.09	30.04	30.066	1.8	1.7	187	16	SSE	9	242	35	
3	41.5	28.4	34.9	34.0	32	92	30	0	.....	0	0.25	T	30.28	30.09	30.169	0.4	0.3	245	11	SW	5	250	39	
4	40.8	23.8	32.3	30.9	29	92	32	0	.....	0	0.01	T	30.34	30.25	30.297	1.0	1.0	177	12	SSE	8	173	67	
5	44.6	24.0	34.3	32.4	28	84	30	0	.....	0	0.00	0.0	30.37	30.28	30.327	0.9	0.8	215	12	WSW	7	164	81	
6	49.2	26.7	38.0	35.7	29	77	27	0	.....	0	0.00	0.0	30.40	30.22	30.318	2.9	2.8	177	17	SSE	9	167	90	
7	55.0	29.5	42.3	39.9	30	69	22	0	.....	0	0.00	0.0	30.23	30.07	30.139	3.2	3.2	176	17	S	9	174	91	
8	57.9	35.1	46.5	46.7	38	72	18	0	.....	0	0.00	0.0	30.16	30.01	30.094	1.7	1.7	176	14	SSE	7	167	72	
9	56.9	42.1	49.5*	48.6	44	83	15	0	.....	0	0.00	0.0	30.05	29.98	30.018	1.6	1.5	183	13	S	7	168	50	
10	53.9	34.4	44.2	44.6	37	76	21	0	.....	0	0.13	0.0	30.20	29.94	30.037	1.9	1.8	263	18	WSW	12	254	76	
11	51.6	27.3	39.4	40.9	31	70	25	0	.....	0	0.00	0.0	30.31	30.14	30.238	1.4	1.2	156	19	SSE	10	144	72	
12	53.4	35.9	44.7	45.9	41	84	20	0	.....	0	0.51	0.0	30.14	29.72	29.904	4.4	4.0	162	26	S	13	253	17	
13	50.4	34.1	42.3	39.7	37	90	23	0	.....	0	0.96	0.0	29.85	29.58	29.685	3.6	3.1	194	23	S	12	172	33	
14	44.4	33.8	39.1	38.1	32	79	26	0	.....	0	0.13	0.0	29.79	29.63	29.728	3.5	3.2	207	16	SW	10	232	74	
15	37.6	31.6	34.6	34.5	33	94	30	0	.....	0	0.32	T	29.82	29.58	29.660	3.6	2.7	236	26	WSW	12	265	18	
16	36.6	24.2	30.4	31.2	26	81	34	0	.....	0	T	T	30.20	29.82	30.001	4.1	4.0	258	21	W	14	262	25	
17	46.5	19.7	33.1	32.6	28	84	31	0	.....	0	0.15	0.0	30.29	29.94	30.146	3.3	3.2	167	32	SSE	16	181	34	
18	58.1	38.0	48.0	48.6	44	85	17	0	.....	0	0.56	0.0	29.94	29.73	29.841	6.6	5.6	185	31	SSE	16	176	24	
19	38.1	29.1	33.6	33.9	27	76	31	0	.....	0	0.01	T	30.38	29.87	30.084	5.5	5.2	251	26	W	14	260	32	
20	39.6	22.9	31.2	31.9	23	71	33	0	.....	0	0.00	0.0	30.50	30.26	30.394	2.6	2.4	179	21	SSE	11	171	71	
21	48.2	33.3	40.8	39.3	31	73	24	0	.....	0	0.06	0.0	30.27	29.78	30.116	3.4	3.3	173	21	S	11	183	70	
22	43.3	26.9	35.1	36.7	30	76	30	0	...4.....	0	0.09	T	29.86	29.67	29.764	5.9	4.9	215	26	S	14	254	37	
23	28.7	21.4	25.1	23.8	17	76	40	0	.....	T	0.00	0.5	30.15	29.85	29.993	3.9	3.9	281	20	WSW	12	270	21	
24	35.7	16.0	25.9	25.3	17	73	39	0	.....	0	0.01	0.0	30.32	30.15	30.248	1.1	0.8	217	11	SSE	5	170	71	
25	39.2	24.2	31.7	32.6	25	74	33	0	.....	0	0.02	T	30.18	29.70	29.955	1.7	1.7	177	13	S	7	171	23	
26	37.6	26.8	32.2	33.4	32	95	32	0	.....	5	0.80	5.0	29.70	29.43	29.519	2.9	2.0	248	23	SW	12	266	10	
27	26.9	18.9	22.9	23.3	20	86	42	0	.....	5	0.18	2.0	29.81	29.51	29.701	6.3	6.2	263	27	WSW	14	273	6	
28	27.3	11.2*	19.2	20.1	16	84	46	0	.....	4	T	T	29.86	29.80	29.830	1.4	1.3	183	12	SSE	9	164	43	
29	24.8	12.3	18.5*	18.1	15	87	46	0	.....	4	T	T	29.96	29.83	29.914	0.6	0.5	275	10	WSW	7	253	103	
30	28.1	16.2	22.2	24.0	21	88	43	0	.....	4	0.02	0.2	29.93	29.81	29.873	3.6	3.4	174	17	SSE	10	169	44	
Sum	Sum	-----	-----	---	----	Ttl	Ttl						Total	Total	For the month:						---			
1293	821					884	0		Number of Days				4.29	7.7	30.50	29.43	29.997	3.0	2.2	210	32	SSE	16	260
Avg	Avg	Avg	Mean	Avg	Avg	----	----		Precip				Season Ttl	Date	Date	-----	----	---		Date	Date	Avg		
43.1	27.4	35.2	35.1	29	80.8	----	----		≥.01 inch	18			39.05	7.7	20	26	-----	----	---		17	1	51	
Number of Days						Season to Date	Snow, Ice ≥1.0 inch	2	Greatest in 24 Hours and Dates						Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date									
Max Temperature			Min Temperature			1470	462	Thunder	0	Precipitation			Snow, Ice Plts											
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	0.97	12-13	5.0	26				5			26+						
0	5	20	0	----	----	Clear	4	Partly Cloudy			10	Cloudy			16									

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

## November 2021: Westford

Hour	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																																																																																																																																																																																																			
NOV 01																						NOV 02											NOV 03																																																																																																																																																																																							
00	0	29.60	0.00	50	47	88	21	8	14	0	30.05	0.00	40	34	78	19	3	10	0	30.09	0.00	34	33	95	20	0	0	0	30.06	0.00	37	32	83	21	2	7	0	30.10	0.00	33	31	95	21	1	7	0	30.11	0.00	35	34	94	22	0	2	0	30.12	0.00	33	32	95	12	0	0	492	29.91	0.00	50	31	49	24	8	19	151	30.08	0.00	43	36	76	17	5	10	40	30.18	0.05	33	32	95	12	0	0	169	29.92	0.00	52	31	45	24	10	17	111	30.05	0.00	40	38	94	16	0	4	248	30.17	0.00	39	36	88	27	2	6	0	29.96	0.00	43	34	72	18	3	8	0	30.06	0.00	39	34	83	21	2	4	0	30.21	0.00	35	32	87	30	0	0	0	30.01	0.00	42	34	74	18	4	10	0	30.08	0.00	35	32	89	20	0	0	0	30.25	0.00	30	28	91	30	0	0																																													
NOV 04																						NOV 05											NOV 06																																																																																																																																																																																							
00	0	30.28	0.00	29	26	91	17	2	6	0	30.30	0.00	29	27	95	18	0	0	0	30.36	0.00	28	25	88	26	0	2	0	30.29	0.00	26	25	94	16	0	0	0	30.28	0.00	25	24	95	18	0	0	0	30.37	0.00	28	25	92	18	2	4	0	30.30	0.00	24	22	94	16	0	0	0	30.31	0.00	24	23	95	18	0	0	0	30.38	0.00	28	25	90	17	4	6	114	30.33	0.00	30	29	97	17	2	11	77	30.36	0.00	30	29	97	18	0	4	25	30.40	0.00	32	28	85	16	6	13	169	30.34	0.00	35	32	91	17	4	10	471	30.35	0.00	41	32	70	16	3	11	455	30.37	0.00	44	34	66	18	4	16	207	30.28	0.00	40	34	78	17	3	11	76	30.31	0.00	42	32	66	25	2	10	90	30.27	0.00	49	33	54	18	7	11	0	30.26	0.00	33	30	88	18	0	0	0	30.31	0.00	37	28	68	26	0	8	0	30.24	0.00	39	31	73	15	0	0	0	30.28	0.00	31	30	95	18	0	0	0	30.36	0.00	31	27	86	26	0	0	0	30.23	0.00	35	28	76	17	2	7
NOV 07																						NOV 08											NOV 09																																																																																																																																																																																							
00	0	30.23	0.00	33	28	83	17	3	7	0	30.10	0.00	35	29	77	17	1	4	0	30.01	0.00	47	41	81	16	5	13	0	30.19	0.00	32	28	84	17	3	6	0	30.11	0.00	41	32	70	17	1	3	0	29.99	0.00	45	40	84	18	4	7	0	30.18	0.00	32	27	84	18	2	5	0	30.13	0.00	42	33	70	17	0	3	0	30.01	0.00	45	41	88	18	2	4	283	30.18	0.00	39	31	71	17	7	13	102	30.16	0.00	48	37	67	17	0	0	114	30.03	0.00	51	44	77	17	1	6	475	30.13	0.00	51	34	52	19	4	10	438	30.13	0.00	55	43	62	18	0	2	250	30.01	0.00	55	46	72	27	0	6	178	30.07	0.00	53	31	42	18	5	11	156	30.09	0.00	57	44	63	18	3	6	56	30.02	0.00	55	48	77	35	0	5	0	30.08	0.00	41	30	66	17	4	7	0	30.06	0.00	43	39	87	18	2	5	0	30.04	0.00	47	45	90	35	0	0	0	30.11	0.00	38	29	70	16	5	7	0	30.04	0.00	47	41	80	17	5	11	0	30.03	0.00	46	44	91	35	0	0
NOV 10																						NOV 11											NOV 12																																																																																																																																																																																							
00	0	29.98	0.00	44	42	94	35	0	0	0	30.19	0.00	35	29	79	22	0	0	0	30.14	0.00	48	35	60	15	5	15	0	29.95	0.00	45	44	95	35	0	0	0	30.23	0.00	29	27	91	22	0	0	0	30.09	0.00	48	38	68	14	7	21	0	29.95	0.00	45	44	97	34	0	5	0	30.26	0.00	29	27	94	22	0	0	0	30.00	0.00	49	38	65	16	0	14	30	30.00	0.00	47	45	96	25	4	11	248	30.31	0.00	37	34	88	16	3	6	32	29.93	0.00	49	44	85	14	4	13	485	30.01	0.00	52	38	60	27	5	13	316	30.26	0.00	49	36	60	14	1	7	32	29.82	0.06	48	46	92	17	8	15	148	30.04	0.00	51	31	45	28	5	15	98	30.24	0.00	50	35	56	01	0	5	32	29.76	0.14	49	48	95	22	9	16	0	30.12	0.00	41	29	62	22	0	5	0	30.23	0.00	45	32	60	09	0	1	0	29.81	0.00	43	42	94	18	0	5	0	30.16	0.00	38	29	69	23	0	6	0	30.17	0.00	47	30	62	14	4	11	0	29.86	0.00	38	36	95	17	4	7
NOV 13																						NOV 14											NOV 15																																																																																																																																																																																							
00	0	29.85	0.00	36	35	96	17	3	7	0	29.63	0.00	34	32	91	19	2	7	0	29.68	0.05	35	33	94	13	0	2	0	29.81	0.00	36	34	94	16	2	6	0	29.66	0.00	35	33	93	20	3	11	0	29.61	0.00	35	34	95	17	3	6	0	29.75	0.00	37	36	94	17	0	1	0	29.70	0.00	35	31	86	22	4	11	0	29.59	0.00	35	33	95	18	4	9	113	29.74	0.00	43	39	88	17	4	12	341	29.77	0.00	38	31	76	23	6	16	81	29.60	0.00	36	35	96	18	5	8	104	29.62	0.00	50	40	70	17	4	15	429	29.76	0.00	43	30	59	23	5	11	53	29.59	0.04	37	35	95	21	6	11	9	29.58	0.14	42	40	93	19	8	18	102	29.76	0.00	43	31	64	18	2	11	12	29.65	0.00	35	33	94	28	2	8	0	29.61	0.08	37	36	95	28	0	8	0	29.76	0.00	39	33	79	17	1	5	0	29.71	0.00	34	33	94	24	5	11	0	29.63	0.00	36	34	92	22	8	16	0	29.74	0.00	39	33	80	16	0	5	0	29.77	0.00	32	30	90	26	6	13
NOV 16																						NOV 17											NOV 18																																																																																																																																																																																							
00	0	29.82	0.00	32	27	83	27	6	15	0	30.20	0.00	25	21	86	27	0	0	0	29.94	0.00	47	43	86	16	12	29	0	29.87	0.00	33	30	88	27	4	11	0	30.23	0.00	22	19	90	27	0	0	0	29.89	0.00	50	46	86	16	9	21	0	29.92	0.00	32	27	81	27	6	16	0	30.26	0.00	21	19	92	27	0	0	0	29.85	0.00	51	48	89	16	7	21	62	29.97	0.00	33	27	79	26	2	4	120	30.28	0.00	27	26	96	27	0	0	272	29.82	0.00	55	49	81	17	9	24	190	29.97	0.00	37	28	70	26	9	18	204	30.21	0.00	35	29	79	14	1	7	44	29.75	0.00	56	49	87	17	8	20	37	30.01	0.00	34	27	77	27	8	14	21	30.10	0.00	37	29	72	12	2	6	0	29.77	0.22	50	47	90	29	1	10	0	30.10	0.00	29	24	81	27	1	9	0	30.02	0.00	41	33	72	16	11	25	0	29.85	0.07	42	41	95	31	1	3	0	30.16	0.00	26	23	85	27	0	0	0	29.98	0.00	44	38	78	16	10	25	0	29.89	0.00	42	37	85	20	8	18

### MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97
Ended: Date	18	18	18	18	18	18	18	18	18	18	18	18
Ended: Time	1851	1851	1851	1851	1851	1851	1851	1851	1851	1851	1851	1851

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

## November 2021: Westford

Hour	NOV 19									NOV 20									NOV 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	29.90	0.00	38	29	70	25	8	13	0	30.38	0.00	29	23	77	27	2	9	0	30.27	0.00	37	25	63	17	8	18
03	0	29.89	0.00	35	28	76	22	4	8	0	30.43	0.00	26	21	84	24	1	4	0	30.26	0.00	36	27	68	18	7	13
06	0	29.91	0.00	35	29	78	22	5	13	0	30.47	0.00	25	21	85	24	0	0	0	30.26	0.00	36	29	73	17	2	6
09	47	29.99	0.00	36	30	78	23	7	13	225	30.49	0.00	27	23	84	20	0	2	98	30.25	0.00	37	31	81	17	4	9
12	221	30.05	0.00	36	28	71	24	5	20	450	30.45	0.00	38	27	63	17	3	9	366	30.18	0.00	44	31	60	17	5	13
15	56	30.14	0.00	33	27	76	25	9	17	91	30.38	0.00	38	23	54	18	4	7	74	30.07	0.00	46	32	58	12	0	4
18	0	30.24	0.00	32	26	79	25	1	9	0	30.32	0.00	33	24	68	15	2	6	0	29.99	0.00	40	31	71	14	1	7
21	0	30.32	0.00	32	25	74	27	5	11	0	30.29	0.00	35	25	65	17	8	16	0	29.90	0.00	37	35	93	14	0	2
NOV 22									NOV 23									NOV 24									
00	0	29.78	0.00	41	37	86	19	4	21	0	29.86	0.00	29	21	73	23	1	6	0	30.15	0.00	23	18	81	28	5	9
03	0	29.72	0.00	43	40	87	17	4	24	0	29.87	0.00	27	18	69	28	5	12	0	30.20	0.00	22	18	85	29	1	3
06	0	29.68	0.00	43	39	87	18	7	13	0	29.92	0.00	22	16	75	31	1	4	0	30.27	0.00	18	16	89	33	0	1
09	56	29.71	0.08	38	36	91	22	9	17	88	29.96	0.00	24	17	75	26	8	14	199	30.32	0.00	20	18	91	33	0	1
12	123	29.76	0.00	38	28	69	24	8	21	144	29.97	0.00	24	19	81	26	3	11	406	30.28	0.00	32	20	61	34	1	4
15	72	29.77	0.00	36	22	57	23	7	14	25	30.03	0.00	23	16	73	30	5	16	60	30.26	0.00	35	17	47	23	0	0
18	0	29.83	0.00	31	21	65	24	0	5	0	30.07	0.00	23	15	71	29	5	14	0	30.27	0.00	26	19	74	24	0	0
21	0	29.83	0.00	28	20	74	21	5	9	0	30.12	0.00	23	18	79	27	8	15	0	30.21	0.00	26	17	69	18	2	5
NOV 25									NOV 26									NOV 27									
00	0	30.18	0.00	26	18	73	17	0	1	0	29.70	0.00	33	31	91	17	1	7	0	29.51	0.00	27	26	95	27	8	20
03	0	30.13	0.00	27	21	77	14	1	4	0	29.64	0.00	34	33	94	19	3	7	0	29.59	0.00	24	22	93	27	8	26
06	0	30.08	0.00	26	20	78	16	0	0	0	29.57	0.00	35	33	94	17	1	5	0	29.64	0.00	23	20	91	28	9	22
09	40	30.03	0.00	32	24	72	18	5	8	46	29.52	0.00	36	35	96	16	2	9	5	29.68	0.00	22	20	90	26	5	13
12	60	29.94	0.00	35	26	71	13	2	7	33	29.47	0.00	37	36	96	22	2	6	23	29.71	0.00	24	21	87	26	3	7
15	62	29.87	0.00	38	29	71	18	0	2	9	29.44	0.00	34	33	96	30	2	7	14	29.74	0.00	24	19	81	24	3	12
18	0	29.83	0.00	36	28	72	17	2	4	0	29.45	0.00	32	30	96	28	4	10	0	29.79	0.00	24	19	82	25	3	11
21	0	29.79	0.00	37	28	69	18	2	9	0	29.49	0.00	30	29	96	28	6	14	0	29.80	0.00	23	19	82	25	7	13
NOV 28									NOV 29									NOV 30									
00	0	29.81	0.00	18	14	86	22	3	6	0	29.83	0.00	23	19	88	17	0	0	0	29.93	0.00	16	14	91	34	2	4
03	0	29.82	0.00	15	13	89	17	3	6	0	29.85	0.00	18	16	91	17	0	0	0	29.92	0.00	20	17	88	17	2	8
06	0	29.83	0.00	12	10	90	19	2	3	0	29.88	0.00	17	15	93	17	0	0	0	29.91	0.00	20	18	89	17	5	8
09	12	29.85	0.00	17	13	85	16	5	10	49	29.94	0.00	17	15	92	17	0	0	84	29.89	0.00	22	19	87	17	4	11
12	274	29.83	0.00	25	17	72	18	3	10	617	29.92	0.00	24	17	77	24	2	4	258	29.86	0.00	27	22	80	16	9	12
15	51	29.81	0.00	27	18	67	17	0	1	95	29.92	0.00	22	15	75	35	1	7	42	29.84	0.00	28	23	83	18	1	8
18	0	29.83	0.00	22	19	89	17	0	0	0	29.95	0.00	16	12	87	34	0	0	0	29.85	0.00	26	23	89	18	3	6
21	0	29.84	0.00	22	19	91	17	0	0	0	29.96	0.00	15	13	93	34	0	0	0	29.84	0.00	27	25	93	16	1	7

### 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	29.992	33	29	84	3.1	21	2.2
03	0	29.989	32	29	86	2.8	19	2.1
06	0	29.996	32	28	86	2.5	21	1.9
09	105	30.018	35	30	85	3.7	20	3.0
12	259	29.997	40	31	73	4.0	21	3.0
15	80	29.979	40	31	71	3.4	23	2.5
18	0	29.994	35	29	80	1.7	21	1.1
21	0	30.005	34	29	82	3.3	21	2.3

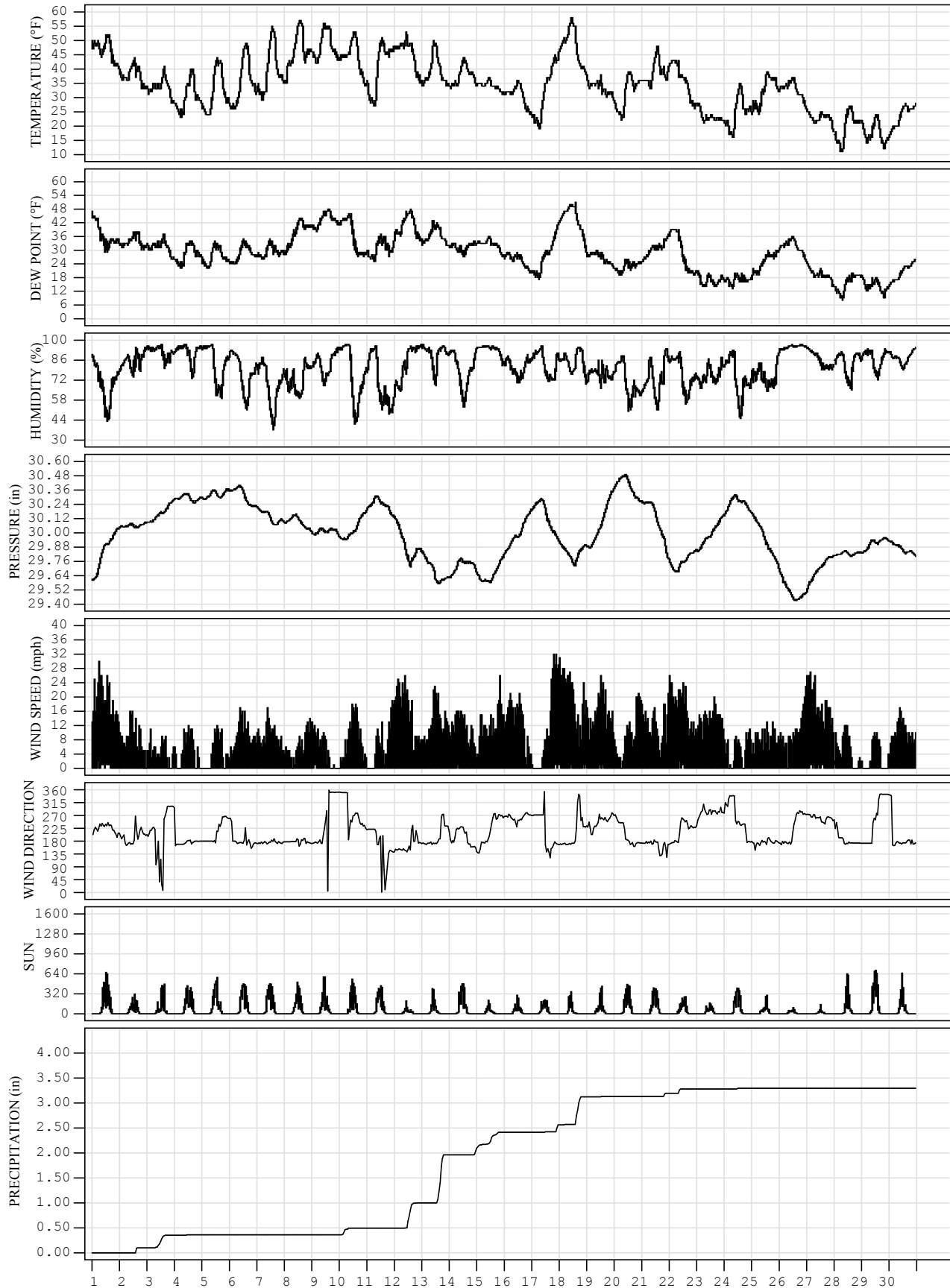
## HOURLY PRECIPITATION (Water Equivalent) November 2021: Westford

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								0.01		0.04	0.03	0.05	0.05	0.04	0.09	0.01									03
04											0.01				0.02	0.01									04
05																									05
06																									06
07																									07
08																									08
09																									09
10			0.01	0.04	0.05	0.01		0.02																	10
11																									11
12										0.01		0.13	0.10	0.12	0.11	0.02	0.01			0.01					12
13														0.06	0.16	0.18	0.33	0.15	0.08						13
14																						0.01	0.07	0.05	14
15	0.03	0.03	0.01		0.01				0.01		0.01	0.04	0.08	0.03	0.01	0.01	0.01	0.02	0.02						15
16																									16
17											0.01											0.07	0.07		17
18					0.01										0.17	0.11	0.15	0.07	0.05						18
19													0.01												19
20																									20
21																						0.05	0.01		21
22								0.07	0.02																22
23																									23
24												0.01													24
25																									25
26																									26
27																									27
28																									28
29																									29
30																									30
Sum	0.03	0.03	0.02	0.04	0.07	0.01	0.00	0.03	0.08	0.07	0.05	0.24	0.24	0.25	0.56	0.34	0.50	0.24	0.15	0.06	0.01	0.08	0.14	0.05	Sum

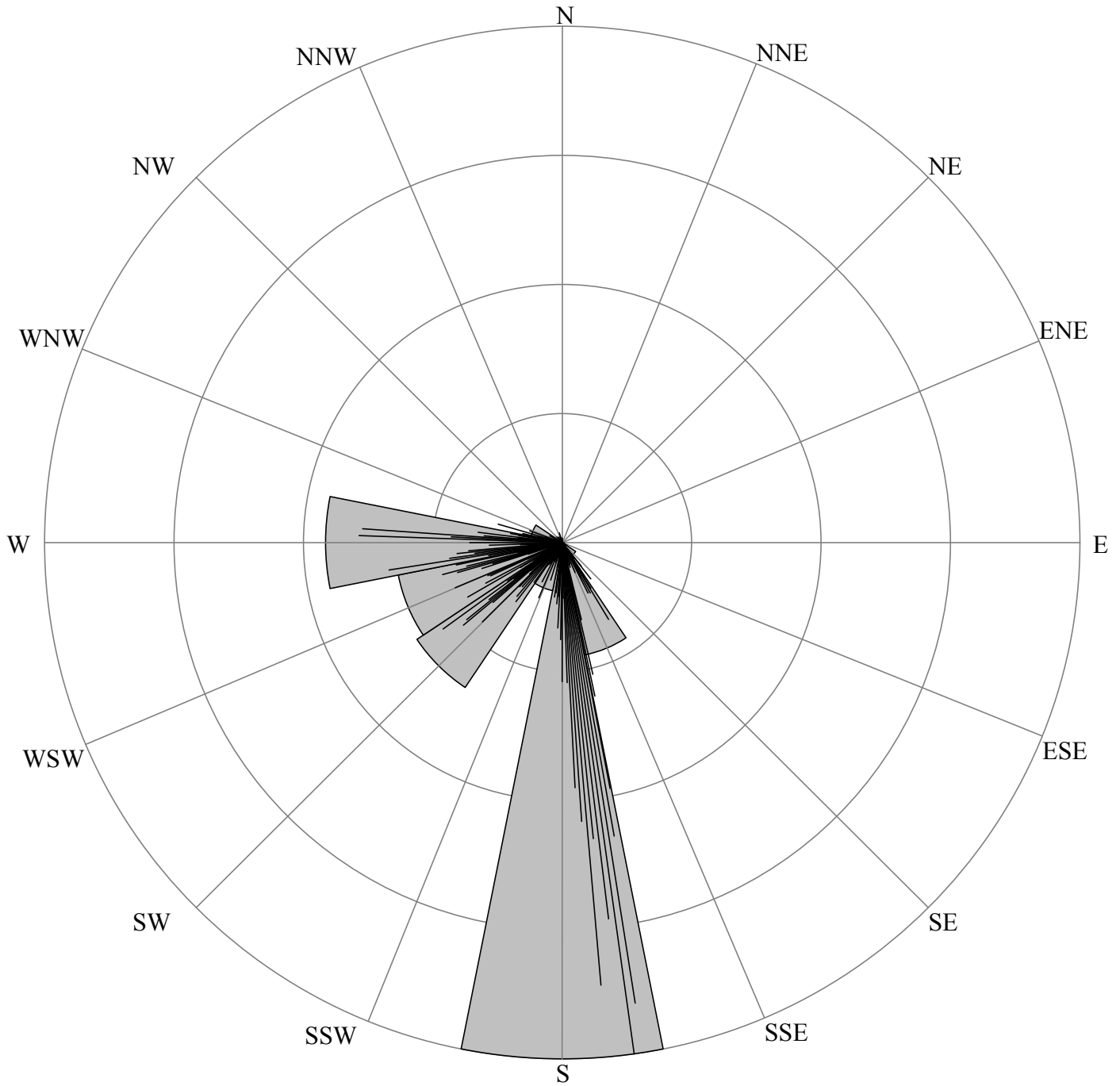
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

# HOUR-BY-HOUR DATA

## November 2021: Westford



Wind Rose: November 2021  
Westford



Maximum direction of wind: 110.9 miles from 172°  
Maximum sector of wind: 861.8 miles from S  
2194.3 total miles of wind