

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

August 2021

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	67.7	51.6	59.6*	58.6	56	91	5	0	.....	0	0.46	0.0	29.89	29.80	29.847	0.2	0.1	159	11	SSE	4	187	80
2	72.2	52.7	62.4	61.2	57	88	2	0	.....	0	0.37	0.0	30.01	29.79	29.885	1.0	1.0	265	17	W	7	271	179
3	78.0	51.3	64.6	64.2	57	79	0	0	.....	0	0.00	0.0	30.06	29.98	30.021	1.5	1.4	185	15	S	7	169	273
4	80.4	52.4	66.4	66.1	60	82	0	1	.....	0	0.00	0.0	30.13	30.04	30.089	0.3	0.3	188	8	SSE	4	169	220
5	81.5	56.3	68.9	67.7	62	83	0	4	.....	0	0.00	0.0	30.12	29.99	30.053	0.2	0.1	264	8	W	4	243	215
6	84.5	56.2	70.4	69.8	63	80	0	6	.....	0	0.00	0.0	30.09	29.98	30.036	0.9	0.9	183	12	SSE	6	171	248
7	84.3	59.9	72.1	70.5	65	85	0	7	..3.....	0	0.53	0.0	30.00	29.89	29.946	1.2	1.2	187	16	SSE	7	178	190
8	85.9	60.1	73.0	71.0	67	88	0	8	.2.....	0	0.00	0.0	30.06	29.97	30.018	0.2	0.1	167	9	W	4	183	234
9	84.4	66.2	75.3	73.9	68	83	0	10	.....	0	0.00	0.0	30.11	30.04	30.071	0.8	0.8	167	15	S	6	177	185
10	86.6	65.5	76.0	75.5	69	82	0	12	.....	0	0.00	0.0	30.08	29.89	29.997	1.7	1.7	174	19	SSE	7	171	260
11	87.6	69.2	78.4*	76.0	72	89	0	14	..3.....	0	0.44	0.0	29.90	29.80	29.839	1.9	1.8	185	24	WSW	13	241	168
12	85.0	70.1	77.5	76.6	73	89	0	13	.....	0	0.56	0.0	29.87	29.79	29.827	1.3	1.2	189	16	SSE	7	178	153
13	88.2	65.8	77.0	77.2	71	83	0	12	.....	0	0.00	0.0	29.95	29.87	29.911	1.0	1.0	181	18	SSE	7	159	245
14	79.6	55.2	67.4	69.5	64	84	0	3	..3.....	0	0.44	0.0	30.13	29.89	29.985	1.3	1.1	246	15	W	7	263	194
15	72.7	49.8	61.2	60.8	54	79	3	0	.....	0	0.00	0.0	30.24	30.13	30.188	0.5	0.4	297	12	W	7	269	271
16	77.2	46.0*	61.6	61.4	54	79	3	0	.....	0	0.00	0.0	30.23	30.12	30.180	0.3	0.3	193	11	SSE	5	160	248
17	70.7	52.8	61.7	63.3	62	95	3	0	.....	0	0.07	0.0	30.16	30.09	30.125	0.8	0.8	178	14	SSE	6	176	78
18	76.1	66.6	71.3	70.7	69	94	0	7	.....	0	0.07	0.0	30.15	30.06	30.101	1.4	1.4	179	12	SSE	6	173	103
19	73.9	66.7	70.3	69.3	68	97	0	6	.....	0	0.55	0.0	30.07	29.85	29.942	0.4	0.4	351	11	NW	4	346	59
20	85.1	66.7	75.9	73.8	70	90	0	11	.....	0	0.00	0.0	29.87	29.83	29.850	0.2	0.2	274	10	W	4	265	190
21	90.7*	65.1	77.9	75.7	71	86	0	13	.....	0	0.00	0.0	29.91	29.84	29.879	0.1	0.1	167	8	WSW	3	129	220
22	85.6	65.6	75.6	73.8	69	87	0	11	.....	0	0.03	0.0	29.90	29.79	29.853	0.6	0.6	7	16	WNW	8	351	171
23	83.2	64.5	73.8	73.0	69	87	0	9	.....	0	0.00	0.0	29.83	29.77	29.796	0.3	0.2	173	11	SSE	6	191	133
24	86.3	63.8	75.1	72.8	68	87	0	10	.....	0	0.06	0.0	29.96	29.77	29.844	0.5	0.4	247	12	W	5	255	170
25	87.5	61.6	74.5	73.9	68	82	0	10	.....	0	0.00	0.0	30.05	29.96	30.005	0.6	0.6	176	11	S	6	168	239
26	89.4	66.0	77.7	77.2	71	83	0	13	.....	0	0.00	0.0	30.03	29.95	29.996	1.0	0.9	218	14	W	6	265	225
27	75.7	55.7	65.7	66.8	59	78	0	1	.....	0	0.00	0.0	30.23	30.00	30.111	0.6	0.6	337	12	N	6	350	233
28	67.7	55.0	61.3	61.7	57	84	3	0	.....	0	0.01	0.0	30.26	30.16	30.222	0.4	0.4	162	14	S	6	174	68
29	75.5	61.5	68.5	66.8	64	90	0	4	.....	0	0.29	0.0	30.16	29.88	30.050	2.2	2.2	178	21	SSE	8	188	122
30	82.5	62.5	72.5	71.3	67	88	0	8	.....	0	0.46	0.0	29.89	29.65	29.737	2.1	1.9	192	20	SSE	8	175	158
31	77.5	57.0	67.3	66.6	61	83	0	3	.....	0	0.00	0.0	29.74	29.66	29.688	1.3	1.2	221	14	W	8	268	172
Sum	Sum	-----	-----	---	----	Ttl	Ttl	Number of Days		Total	Total	For the month:						---					
2503	1859					19	196			4.34	0.0	30.26	29.65	29.971	0.9	0.6	196	24	WSW	13	241		
Avg	Avg	Avg	Mean	Avg	Avg	----	----	Precip		Season Ttl		Date	Date	-----	----	----	---	Date	Date	Avg			
80.7	60.0	70.4	69.6	65	85.6	----	----	≥.01 inch	14	24.50	0.0	28	30	-----	----	----	---	11	11	184			
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			61	448	Thunder	3	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	1	0.83	11-12	0.0	-	0				-							
1	0	0	0	----	----	Clear	9	Partly Cloudy	15	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.
 Column 23: Solar Radiation is measured in W/m² and is continuously averaged for 24 hours.

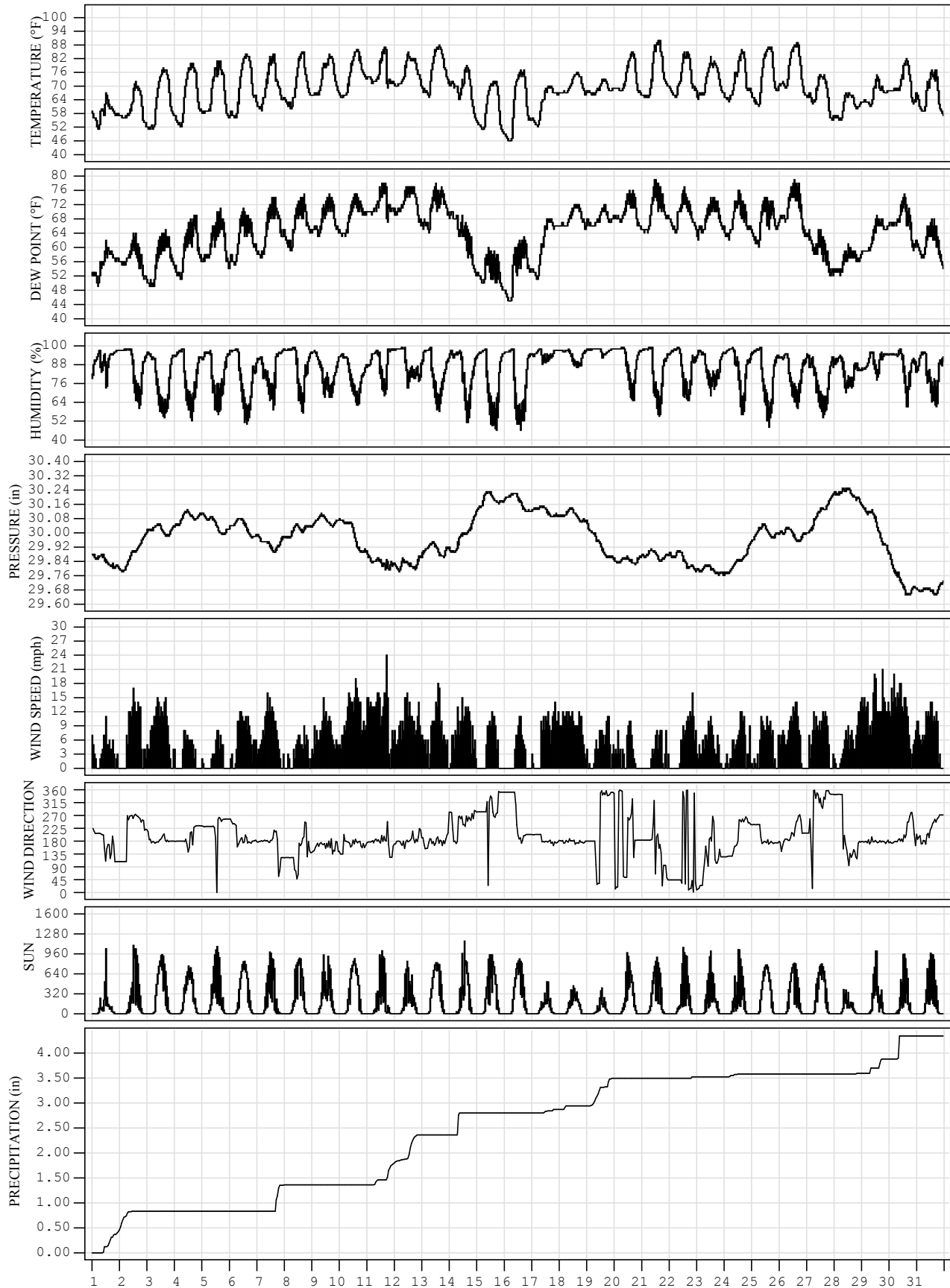
HOURLY PRECIPITATION (Water Equivalent) August 2021: Westford

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										0.01	0.11							0.05	0.01							01	
02	0.06	0.07	0.07	0.05	0.01	0.02	0.05	0.03			0.01	0.11						0.05	0.01							02	
03																											03
04																											04
05																											05
06																											06
07																											07
08																		0.23	0.08	0.16	0.05						08
09																										0.01	09
10																											10
11									0.01	0.05	0.03	0.01															11
12	0.02	0.01	0.01		0.01	0.01				0.01	0.01			0.01	0.08	0.13	0.09	0.06	0.04	0.03	0.02	0.02	0.04	0.02	0.02	0.02	12
13																											13
14																											14
15																											15
16																											16
17												0.01	0.02								0.03						17
18																											18
19																											19
20					0.01	0.01	0.03	0.05	0.06	0.03	0.05	0.07	0.06													0.01	20
21																											21
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28																											28
29																											29
30																											30
31																											31
Sum	0.08	0.08	0.08	0.06	0.08	0.11	0.11	0.68	0.56	0.08	0.20	0.10	0.08	0.16	0.15	0.21	0.41	0.17	0.50	0.23	0.04	0.05	0.05	0.07	0.07	Sum	

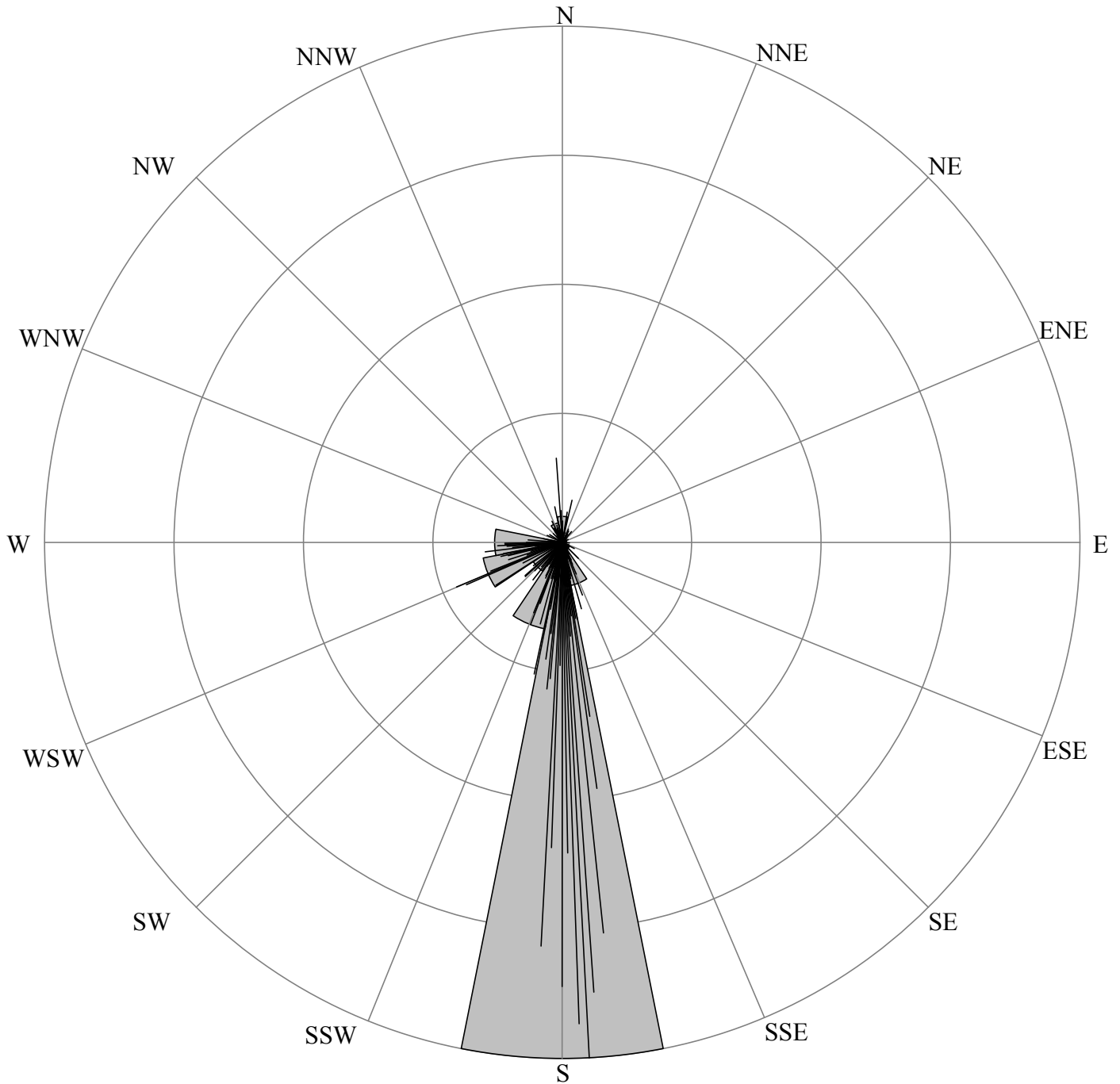
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

HOUR-BY-HOUR DATA

August 2021: Westford



Wind Rose: August 2021
Westford



Maximum direction of wind: 38.7 miles from 177°
Maximum sector of wind: 363.2 miles from S
642.7 total miles of wind