

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

April 2025

Station: Westford
Latitude: 44° 37' 38" N Longitude: 73° 02' 30" 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 9		Precip		Pressure			Wind						Solar Radiation		
	Maximum	Minimum	Average	Mean	Dew Point		Mean	Heating Base 65°F			Cooling Base 65°F	Snow Cvr	Water Equivalent	Ice Pellets Snow	Adj. to Sea Level			Avg	Res	Res	Peak		2 Minute	
															Maximum	Minimum	Mean				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	37.9	23.6	30.8	31.3	22	69	34	0	.....	0	T	T	30.34	29.64	29.965	5.3	5.2	283	25	W	14	259	176	
2	37.0	17.3	27.1*	27.7	14	57	38	0	.....	T	0.00	0.2	30.55	30.19	30.419	1.8	0.2	354	17	SSE	9	172	168	
3	62.1	33.0	47.5	46.6	41	82	17	0	.....	0	1.08	0.0	30.19	29.71	29.885	7.1	6.2	178	34	SSE	18	172	56	
4	51.4	38.0	44.7	43.5	33	66	20	0	.....	0	0.00	0.0	30.35	29.91	30.160	3.0	3.0	272	18	W	12	271	171	
5	46.5	33.9	40.2	40.2	34	79	24	0	.....	0	0.13	0.0	30.33	29.80	30.103	4.5	4.4	167	35	SSE	17	171	53	
6	46.7	35.0	40.9	40.8	35	79	24	0	.....	0	0.03	0.0	29.90	29.74	29.798	4.3	2.9	243	32	SSE	17	171	102	
7	48.1	29.9	39.0	37.9	24	59	26	0	.....	0	0.00	0.0	29.89	29.55	29.762	1.3	0.6	228	15	S	8	180	201	
8	36.5	20.8	28.6	28.7	24	84	36	0	.....	0	0.18	T	29.91	29.45	29.599	4.4	4.1	249	27	W	16	260	56	
9	37.6	19.1	28.3	26.6	16	65	36	0	.....	0	0.05	T	30.28	29.91	30.143	3.3	3.2	261	22	WSW	12	273	237	
10	47.2	19.3	33.3	34.5	21	60	32	0	.....	0	0.00	0.0	30.35	30.20	30.276	1.7	1.7	181	15	SSE	9	171	193	
11	45.8	33.4	39.6	38.9	34	84	25	0	.....	0	0.06	0.0	30.21	30.12	30.153	1.4	1.4	166	15	SSE	8	175	74	
12	41.3	30.4	35.8	37.4	35	91	29	0	.....	0	0.10	0.0	30.14	30.00	30.065	0.5	0.5	5	13	N	6	332	54	
13	53.3	35.4	44.4	41.8	36	82	21	0	.....	0	0.00	0.0	30.01	29.85	29.919	1.2	1.1	326	19	NNW	8	337	89	
14	63.3	30.9	47.1	48.5	32	56	18	0	.....	0	0.01	0.0	29.85	29.52	29.729	0.9	0.2	249	14	SSE	8	258	232	
15	62.5	40.2	51.4	52.1	39	62	13	0	.....	0	T	0.0	29.52	29.27	29.349	5.5	4.5	222	33	WSW	18	262	147	
16	40.3	30.6	35.4	33.3	30	86	29	0	.....	1	0.17	1.0	29.83	29.36	29.558	5.4	5.4	246	23	WSW	13	259	64	
17	49.4	30.9	40.2	38.3	25	60	25	0	.....	0	0.16	0.0	30.15	29.83	30.014	4.0	3.9	269	23	SW	13	245	264	
18	60.6	29.4	45.0	48.8	28	47	20	0	.....	0	0.00	0.0	30.18	29.81	30.022	4.4	4.4	175	28	SSE	16	175	130	
19	62.3	50.5	56.4	57.6	52	83	8	0	.....	0	0.49	0.0	29.84	29.70	29.752	6.2	5.9	184	28	S	14	176	48	
20	57.3	34.4	45.9	43.0	30	61	19	0	.....	0	0.00	0.0	30.35	29.82	30.195	6.0	5.9	281	31	WSW	17	262	269	
21	60.7	27.7	44.2	45.0	29	56	20	0	.....	0	0.07	0.0	30.35	29.88	30.150	2.5	2.2	172	28	SSE	14	174	180	
22	61.2	46.1	53.6	51.7	42	70	11	0	.....	0	0.00	0.0	30.04	29.81	29.886	7.0	5.8	212	31	S	18	263	185	
23	61.1	36.2	48.6	48.6	35	61	16	0	.....	0	0.00	0.0	30.23	30.04	30.145	3.0	2.6	255	21	SSW	11	268	281	
24	68.6	34.9	51.8	52.9	40	65	13	0	.....	0	0.00	0.0	30.28	30.08	30.188	2.0	1.8	183	18	S	11	172	202	
25	66.9	48.4	57.7	56.4	47	72	7	0	.....	0	0.01	0.0	30.18	29.92	30.098	0.7	0.6	278	10	W	6	225	156	
26	64.5	44.0	54.3	54.3	51	89	10	0	.....	0	1.12	0.0	29.93	29.55	29.697	2.9	2.1	200	22	W	13	281	78	
27	50.2	33.0	41.6	40.2	38	92	23	0	.....	0	0.48	T	30.09	29.68	29.867	2.7	2.1	279	19	W	9	279	80	
28	72.4	38.2	55.3	55.4	39	59	10	0	.....	0	0.00	0.0	30.27	30.08	30.179	1.0	0.8	240	13	W	7	268	290	
29	80.3*	52.4	66.4*	65.3	46	53	0	1	..3.....	0	0.24	0.0	30.09	29.55	29.809	6.5	6.4	178	37	SSE	16	175	219	
30	61.6	35.8	48.7	45.0	35	70	16	0	.....	0	0.00	0.0	30.14	29.55	29.954	4.4	3.6	283	31	WSW	15	266	265	
Sum		Sum	-----	-----	---	----	Ttl	Ttl	Number of Days	Total	Total	For the month:										---		
1635	1013						620	1		4.38	1.2	30.55	29.27	29.961	3.5	2.2	227	37	SSE	18	263			
Avg	Avg	Avg	Mean	Avg	Avg	----	----	Precip	Season Ttl	Date		Date	-----	----	----	----	----	---	Date	Date	Avg			
54.5	33.8	44.1	43.7	34	70.0	----	----	≥.01 inch		16	13.06	107.4	2	15	-----	----	----	---	29	22	157			
Number of Days							Season to Date	Snow, Ice ≥1.0 inch	1	Greatest in 24 Hours and Dates					Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date									
Max Temperature			Min Temperature				6924	1	Thunder	1	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	1.26	26-27	1.0	16						1		16					
0	0	12	0	----	----	Clear	5	Partly Cloudy	13	Cloudy	12													

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

April 2025: 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		
APR 01										APR 02										APR 03									
00	0	29.64	0.00	38	33	84	32	0	18	0	30.34	0.00	24	14	65	28	3	9	0	30.19	0.00	33	29	84	15	5	11		
03	0	29.71	0.00	32	28	87	25	3	17	0	30.44	0.00	20	9	63	00	2	9	0	30.10	0.00	35	29	81	13	6	15		
06	0	29.77	0.00	30	25	83	28	8	17	0	30.48	0.00	18	9	67	31	1	10	0	30.03	0.07	36	34	92	19	4	11		
09	81	29.89	0.00	29	23	80	29	5	11	320	30.54	0.00	23	9	56	02	3	7	35	29.87	0.05	39	37	93	16	9	21		
12	325	29.96	0.00	33	23	67	25	9	15	670	30.50	0.00	31	8	37	04	2	10	285	29.81	0.00	48	46	91	17	10	24		
15	675	30.03	0.00	37	21	53	29	6	18	306	30.43	0.00	37	10	32	34	1	5	97	29.73	0.00	55	51	85	17	9	18		
18	206	30.13	0.00	34	18	53	30	5	16	39	30.36	0.00	35	16	46	21	1	3	221	29.72	0.00	59	55	85	19	7	18		
21	0	30.23	0.00	27	14	56	28	6	12	0	30.32	0.00	33	27	79	14	4	13	0	29.82	0.00	60	42	52	21	7	19		
APR 04										APR 05										APR 06									
00	0	29.92	0.00	48	39	71	27	3	9	0	30.32	0.00	39	30	72	36	0	1	0	29.80	0.00	42	38	88	17	10	25		
03	0	29.97	0.00	42	34	74	28	4	13	0	30.33	0.00	35	29	80	36	0	0	0	29.76	0.00	41	38	90	18	5	15		
06	0	30.04	0.00	40	32	72	24	4	10	0	30.29	0.00	36	30	79	04	2	5	0	29.76	0.00	40	38	93	18	1	5		
09	214	30.12	0.00	42	33	71	25	8	12	139	30.22	0.00	43	33	66	15	2	8	72	29.76	0.00	40	38	91	25	2	7		
12	325	30.19	0.00	42	31	66	28	5	13	83	30.13	0.00	43	35	72	17	4	12	186	29.77	0.00	44	41	89	27	3	11		
15	687	30.22	0.00	49	34	56	26	6	13	236	30.00	0.00	41	38	87	15	5	15	519	29.78	0.00	43	36	75	27	9	16		
18	214	30.27	0.00	50	33	53	27	4	15	30	29.92	0.00	42	37	83	16	6	19	139	29.81	0.00	42	32	67	27	3	12		
21	0	30.34	0.00	41	31	67	29	0	2	0	29.87	0.04	41	38	88	16	9	25	0	29.89	0.00	37	25	63	28	1	4		
APR 07										APR 08										APR 09									
00	0	29.85	0.00	35	24	63	27	0	6	0	29.55	0.00	37	30	76	15	2	7	0	29.91	0.00	22	17	82	27	9	17		
03	0	29.86	0.00	32	24	72	33	0	2	0	29.50	0.00	35	30	85	17	2	7	0	30.00	0.00	20	14	77	24	4	15		
06	0	29.87	0.00	31	24	75	00	0	0	0	29.45	0.00	33	30	90	16	0	4	0	30.09	0.00	19	12	73	26	4	10		
09	255	29.87	0.00	35	26	69	11	1	4	19	29.53	0.00	27	24	90	28	0	7	508	30.18	0.00	23	13	66	26	4	12		
12	742	29.79	0.00	43	19	38	34	3	9	46	29.53	0.10	31	26	82	18	0	4	893	30.19	0.00	29	15	55	26	4	8		
15	649	29.70	0.00	46	22	39	25	3	9	49	29.55	0.00	31	26	83	25	8	19	483	30.16	0.00	35	20	54	25	5	12		
18	54	29.64	0.00	42	25	51	22	2	7	58	29.69	0.00	23	18	81	24	14	21	258	30.18	0.00	36	17	46	25	7	12		
21	0	29.64	0.00	39	27	62	16	2	6	0	29.83	0.00	21	15	77	24	10	21	0	30.24	0.00	30	16	57	06	0	3		
APR 10										APR 11										APR 12									
00	0	30.28	0.00	25	17	72	20	0	0	0	30.21	0.00	38	30	72	17	0	0	0	30.14	0.00	33	31	89	15	0	0		
03	0	30.29	0.00	22	16	77	18	1	4	0	30.17	0.00	36	33	90	16	0	0	0	30.09	0.00	33	31	93	13	0	0		
06	0	30.32	0.00	20	15	81	18	0	0	0	30.14	0.00	35	33	91	15	1	10	0	30.08	0.00	35	33	93	13	0	0		
09	390	30.35	0.00	33	21	62	18	2	11	54	30.17	0.00	37	34	91	18	1	9	91	30.09	0.00	39	36	89	13	0	4		
12	594	30.32	0.00	40	20	44	18	3	10	241	30.17	0.00	41	36	85	17	3	11	171	30.09	0.00	41	38	88	02	0	4		
15	592	30.25	0.00	46	22	38	18	4	11	260	30.14	0.00	44	37	76	18	2	8	255	30.05	0.00	41	38	91	33	2	9		
18	37	30.22	0.00	44	24	45	18	5	13	25	30.13	0.00	44	36	75	15	0	0	90	30.03	0.00	40	38	91	01	0	5		
21	0	30.22	0.00	39	29	66	19	0	0	0	30.14	0.00	40	35	82	15	0	0	0	30.01	0.00	38	37	93	34	0	2		
APR 13										APR 14										APR 15									
00	0	30.01	0.00	36	35	94	34	0	0	0	29.85	0.00	38	32	81	28	0	0	0	29.52	0.00	52	40	62	16	2	11		
03	0	29.96	0.00	36	35	95	34	0	0	0	29.83	0.00	34	30	87	03	0	0	0	29.43	0.00	54	40	58	16	5	13		
06	0	29.96	0.00	36	35	95	30	0	2	0	29.84	0.00	32	28	83	03	0	0	0	29.37	0.00	51	42	73	18	2	13		
10	97	29.95	0.00	38	36	94	32	0	6	411	29.83	0.00	47	28	47	03	0	3	399	29.34	0.00	58	48	68	16	4	11		
12	139	29.93	0.00	43	38	83	34	1	9	791	29.78	0.00	56	29	36	01	0	7	285	29.30	0.00	61	37	41	22	9	18		
15	185	29.90	0.00	46	40	79	35	2	12	466	29.69	0.00	59	30	33	06	2	6	144	29.33	0.00	50	39	67	21	6	13		
18	253	29.86	0.00	51	38	60	34	6	13	171	29.61	0.00	62	33	34	18	1	4	95	29.29	0.00	52	33	48	24	11	20		
21	0	29.85	0.00	45	35	67	28	0	2	0	29.57	0.00	54	36	51	16	1	4	0	29.31	0.00	46	35	64	26	7	18		
APR 16										APR 17										APR 18									
00	0	29.36	0.00	40	35	80	26	5	13	0	29.83	0.00	34	29	82	28	6	18	0	30.15	0.00	36	19	50	25	0	0		
03	0	29.38	0.00	35	32	87	22	8	14	0	29.90	0.00	32	27	81	26	1	9	0	30.15	0.00	32	22	67	24	0	2		
06	0	29.43	0.00	34	29	83	24	3	10	0	29.96	0.00	31	25	79	26	2	11	0	30.17	0.00	32	22	67	17	4	8		
09	77	29.49	0.00	32	27	80	25	4	15	538	30.02	0.09	35	26	68	25	5	13	431	30.16	0.00	46	24	43	15	6	14		
12	318	29.55	0.04	32	29	88	24	7	11	796	30.02	0.00	42	28	58	25	6	16	858	30.05	0.00	59	24	26	18	10	19		
15	98	29.59	0.00	32	29	89	23	0	11	733	30.04	0.00	48	23	38	27	8	18	39	29.93	0.00	57	30	35	13	5	13		
18	39	29.67	0.00	32	30	89	23	5	9	262	30.07	0.00	48	21	35	29	3	13	91	29.84	0.00	61	33	35	18	4	15		
21	0	29.76	0.00	33	30	92	24	1	6	0	30.11	0.00	38	19	47	25	0	0	0	29.86	0.00	57	41	56	17	9	20		

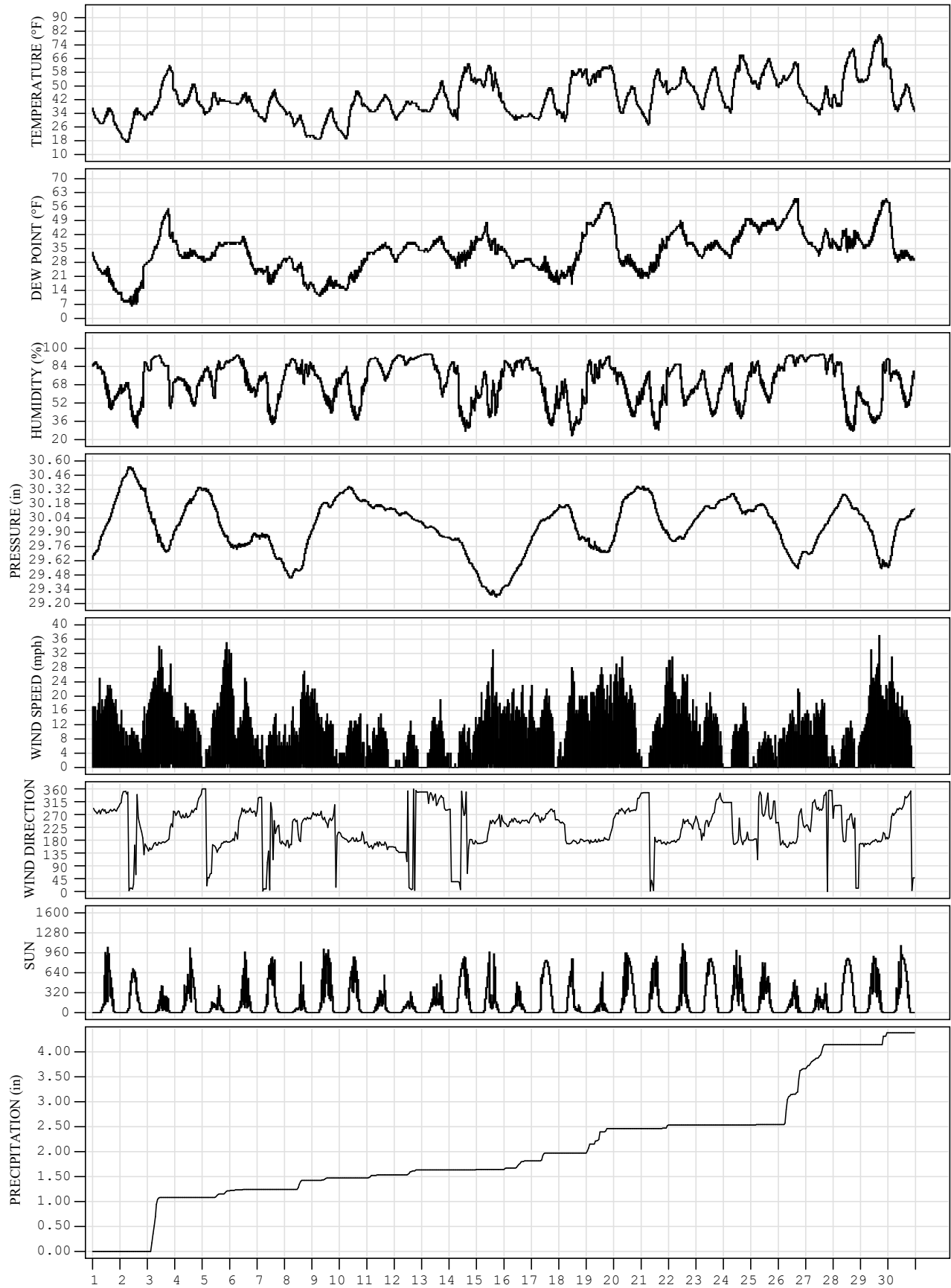
HOURLY PRECIPITATION (Water Equivalent)

April 2025: Westford

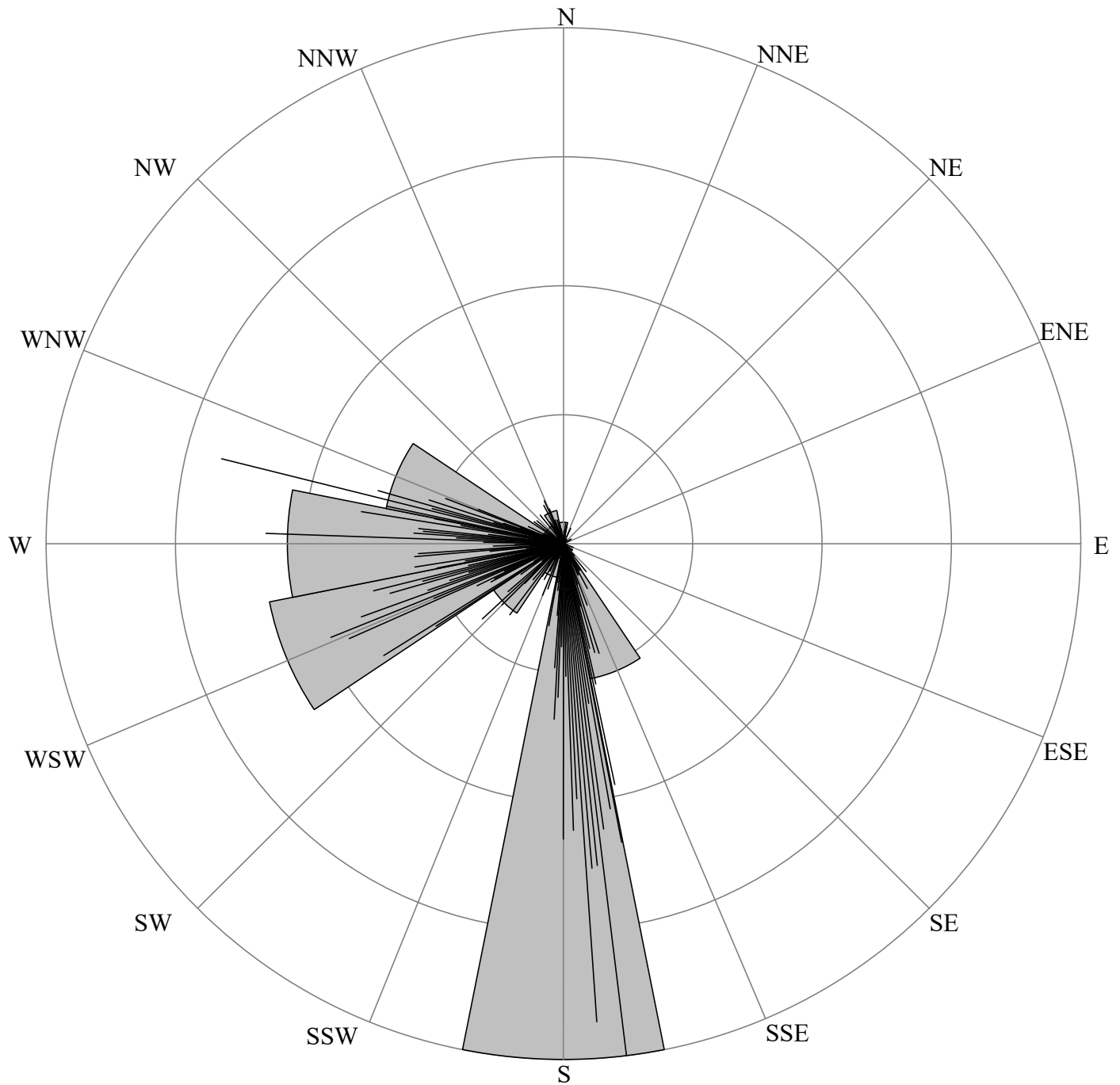
Date	A.M. Hour Ending at												P.M. Hour Ending at												Date
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	
01																									01
02																									02
03				0.17	0.18	0.16	0.19	0.24	0.10	0.03	0.01														03
04																									04
05												0.01	0.03	0.02	0.01					0.02	0.03	0.01			05
06	0.01				0.01							0.01													06
07																									07
08												0.04	0.06	0.05	0.03										08
09									0.01		0.01	0.02	0.01												09
10																									10
11		0.01	0.01	0.03					0.01																11
12												0.01	0.02	0.03	0.01	0.01			0.02						12
13																							0.01		13
14																									14
15																									15
16	0.02	0.01									0.01	0.03	0.03	0.02	0.03	0.01		0.01							16
17									0.02	0.09	0.04	0.01													17
18																									18
19	0.04	0.06	0.08					0.06		0.01	0.02	0.15					0.02	0.05							19
20																									20
21																			0.01				0.05	0.01	21
22																									22
23																									23
24																									24
25					0.01																				25
26						0.03	0.27	0.20	0.06	0.01	0.03		0.01			0.03	0.01	0.27	0.16	0.01	0.02	0.01			26
27	0.03	0.03		0.04	0.04	0.01	0.02	0.01	0.03		0.01	0.03	0.02	0.07	0.10	0.04									27
28																									28
29																			0.17				0.07		29
30																									30
Sum	0.10	0.11	0.09	0.24	0.24	0.20	0.48	0.51	0.23	0.14	0.13	0.31	0.18	0.19	0.18	0.09	0.03	0.33	0.19	0.20	0.05	0.02	0.12	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
 April 2025: Westford



Wind Rose: April 2025
Westford



Maximum direction of wind: 92.1 miles from 173°
Maximum sector of wind: 799.7 miles from S
2512.7 total miles of wind