

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

June 2019

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		
1	2	3	4A	4B	5	6	7	8																	
1	67.5	39.6	53.5	53.1	47	82	11	0	.....	0	0.00	0.0	29.85	29.67	29.769	0.0	0.0	43	7	NNE	2	19	130	
2	66.6	52.1	59.3	60.6	57	87	5	0	..3.....	0	0.54	0.0	29.68	29.52	29.587	1.6	1.4	233	21	SW	11	266	119		
3	59.7	43.7	51.7*	49.1	41	74	13	0	.....	0	0.01	0.0	29.92	29.61	29.733	1.8	1.8	270	25	WNW	14	292	166	
4	64.4	39.8	52.1	50.6	41	73	13	0	.....	0	0.00	0.0	30.01	29.84	29.929	1.2	1.1	264	23	W	10	276	254	
5	66.3	47.5	56.9	55.2	52	90	8	0	.....	0	0.46	0.0	29.84	29.66	29.760	0.5	0.5	217	13	SSW	6	208	125	
6	71.8	50.3	61.1	61.3	53	77	4	0	.....	0	0.09	0.0	29.84	29.62	29.733	0.3	0.2	326	13	WNW	6	285	307	
7	77.9	44.5	61.2	62.0	50	67	3	0	.....	0	0.00	0.0	29.99	29.83	29.881	0.3	0.3	290	18	WNW	7	291	320	
8	73.3	44.1	58.7	58.8	45	64	6	0	.....	0	0.00	0.0	30.22	29.99	30.143	0.1	0.1	321	12	NW	4	312	325	
9	82.1	43.1	62.6	64.1	46	57	2	0	.....	0	0.00	0.0	30.28	30.15	30.217	0.4	0.4	229	13	S	6	262	309	
10	83.7	56.6	70.1	69.6	55	61	0	6	.....	0	0.06	0.0	30.16	29.77	29.993	0.7	0.6	198	15	SSW	8	181	254	
11	67.0	47.6	57.3	59.6	55	85	7	0	.....	0	0.58	0.0	30.01	29.64	29.830	1.4	1.2	275	23	WNW	12	294	145	
12	74.2	45.4	59.8	60.1	48	69	5	0	.....	0	0.01	0.0	30.12	29.99	30.051	0.2	0.2	229	11	SW	5	307	309	
13	60.2	49.9	55.1	56.6	48	74	10	0	.....	0	0.01	0.0	30.00	29.63	29.822	0.6	0.5	179	21	SSW	7	155	116	
14	67.3	49.9	58.6	56.7	52	85	6	0	.....	0	0.10	0.0	29.87	29.58	29.681	1.6	1.4	242	25	NW	11	300	190	
15	76.0	49.9	63.0	60.6	53	78	2	0	.....	0	0.23	0.0	29.93	29.73	29.839	1.3	1.2	215	28	SSW	11	202	176	
16	70.9	50.3	60.6	60.6	55	82	4	0	.....	0	0.01	0.0	29.84	29.78	29.803	0.0	0.0	284	9	WSW	3	227	222	
17	73.4	47.6	60.5	59.7	51	75	4	0	.....	0	0.00	0.0	29.98	29.84	29.932	0.1	0.1	303	13	NNW	4	299	303	
18	78.5	48.2	63.4	63.1	54	73	1	0	.....	0	0.00	0.0	29.96	29.81	29.891	0.1	0.0	239	10	SE	3	202	268	
19	78.9	54.3	66.6	67.7	62	83	0	2	..3.....	0	0.07	0.0	29.83	29.66	29.736	0.3	0.3	214	14	SSW	5	217	212		
20	67.6	59.5	63.5	64.2	63	95	1	0	.....	0	1.07	0.0	29.67	29.43	29.536	0.1	0.0	11	10	N	3	41	52	
21	73.1	56.1	64.6	62.6	57	83	0	0	.....	0	0.00	0.0	29.72	29.48	29.597	0.4	0.3	346	20	WNW	8	305	193	
22	75.3	51.3	63.3	63.6	53	70	2	0	.....	0	0.00	0.0	29.87	29.71	29.801	0.9	0.9	309	25	WNW	10	304	280	
23	78.9	50.2	64.6	66.0	53	64	0	0	.....	0	0.00	0.0	29.93	29.75	29.830	1.1	1.1	298	21	WNW	13	300	302	
24	78.6	51.1	64.8	64.7	53	69	0	0	.....	0	0.00	0.0	29.84	29.77	29.799	0.0	0.0	311	7	WNW	3	288	284	
25	77.9	51.2	64.6	63.6	59	86	0	0	.....	0	0.28	0.0	29.85	29.72	29.758	0.2	0.2	199	12	S	5	209	105	
26	82.8	57.2	70.0	68.0	61	81	0	5	..3.....	0	0.08	0.0	29.96	29.85	29.919	0.3	0.2	242	23	WNW	10	289	261		
27	84.2	60.0	72.1*	70.3	61	76	0	7	.....	0	0.01	0.0	30.06	29.96	30.025	0.4	0.4	268	14	WSW	6	291	301	
28	86.3*	54.9	70.6	71.3	61	73	0	6	..3.....	0	0.00	0.0	30.11	30.01	30.055	0.3	0.2	266	13	NW	5	306	296		
29	79.4	59.5	69.5	68.2	62	83	0	5	..3.....	0	0.39	0.0	30.02	29.74	29.871	0.2	0.1	266	21	N	7	18	164		
30	70.6	55.7	63.1	62.6	60	92	1	0	..2.....	0	0.20	0.0	29.85	29.71	29.752	0.3	0.2	302	15	NW	6	306	156		
Sum	Sum	-----	-----	---	----	Ttl	Ttl						Total	Total	For the month:						---				
2214	1511					108	31		Number of Days				4.20	0.0	30.28	29.43	29.842	0.6	0.4	256	28	SSW	14	292	
Avg	Avg	Avg	Mean	Avg	Avg	----	----		Precip				Season Ttl	Date	Date	-----	----	---		Date	Date	Avg			
73.8	50.4	62.1	61.8	54	76.9	----	----		≥.01 inch	18			24.90	122.2	9	20	-----	----	---		15	3	222		
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			8304	32	Thunder	5	Precipitation			Snow, Ice Plts												
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----			Heavy Fog	1	1.11	19-20	0.0	-	0			-								
0	0	0	0	----	----			Clear	8	Partly Cloudy		12	Cloudy		10										

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

June 2019: 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
JUN 01									JUN 02									JUN 03									
00	0	29.80	0.00	43	40	92	02	0	0	0	29.67	0.00	56	52	88	22	0	0	0	29.61	0.00	52	41	66	20	0	8
03	0	29.78	0.00	40	38	94	35	0	0	0	29.66	0.12	58	56	94	20	3	14	0	29.62	0.00	51	40	66	26	0	8
06	14	29.81	0.00	45	44	95	35	0	0	26	29.62	0.00	58	56	95	17	0	0	25	29.63	0.00	46	39	77	25	0	0
09	54	29.85	0.00	49	47	93	35	0	0	188	29.60	0.00	63	60	92	21	2	10	728	29.68	0.00	54	44	68	23	4	10
12	315	29.81	0.00	57	49	75	04	0	6	158	29.58	0.00	65	61	88	22	4	12	194	29.68	0.00	58	39	49	28	8	20
15	610	29.75	0.00	67	52	60	05	0	1	253	29.54	0.00	64	61	88	21	4	15	190	29.76	0.00	47	42	80	27	5	16
18	84	29.71	0.00	63	53	71	02	0	0	443	29.52	0.00	65	60	85	22	3	9	72	29.83	0.00	47	42	83	31	1	12
21	0	29.69	0.00	57	53	84	02	0	0	0	29.57	0.00	59	52	77	26	1	13	0	29.88	0.00	46	43	88	22	0	0
JUN 04									JUN 05									JUN 06									
00	0	29.92	0.00	44	42	93	25	0	0	0	29.84	0.00	49	45	86	22	2	9	0	29.66	0.00	58	56	95	05	0	0
03	0	29.93	0.00	42	41	95	25	0	0	0	29.78	0.22	48	47	95	21	3	9	0	29.62	0.00	57	56	96	05	0	0
06	21	29.97	0.00	41	39	95	21	0	0	0	29.79	0.00	49	48	96	20	0	8	26	29.66	0.00	55	54	96	34	0	0
09	575	30.01	0.00	52	42	69	30	2	9	100	29.81	0.00	51	50	96	21	3	8	564	29.73	0.00	59	56	89	35	1	6
12	248	29.98	0.00	57	39	51	28	1	13	279	29.81	0.00	56	52	87	23	0	5	898	29.75	0.00	66	55	66	07	0	7
15	341	29.90	0.00	61	42	49	25	1	9	373	29.75	0.00	64	56	75	23	0	4	821	29.76	0.00	71	50	48	30	1	8
18	53	29.89	0.00	55	40	58	27	4	20	21	29.71	0.00	62	59	88	17	0	0	385	29.78	0.00	71	52	50	33	0	1
21	0	29.87	0.00	49	43	78	20	0	0	0	29.69	0.00	58	56	93	04	0	0	0	29.80	0.00	54	48	81	06	0	0
JUN 07									JUN 08									JUN 09									
00	0	29.84	0.00	50	45	81	06	0	0	0	29.99	0.00	51	46	85	01	0	0	0	30.22	0.00	47	42	82	02	0	0
03	0	29.83	0.00	45	43	93	06	0	0	0	30.04	0.00	47	44	91	01	0	0	0	30.24	0.00	45	41	86	02	0	0
06	19	29.87	0.00	46	44	95	17	0	0	19	30.11	0.00	44	43	94	03	0	0	18	30.26	0.00	44	40	87	02	0	0
09	570	29.90	0.00	66	54	65	22	1	6	592	30.15	0.00	65	46	50	01	0	0	573	30.27	0.00	68	47	47	26	0	6
12	900	29.88	0.00	73	54	52	31	2	8	930	30.18	0.00	70	44	40	02	1	6	881	30.25	0.00	77	50	39	22	0	13
15	858	29.85	0.00	76	55	48	27	2	7	821	30.17	0.00	72	44	36	29	1	10	793	30.20	0.00	81	51	36	20	2	10
18	383	29.86	0.00	76	50	40	30	2	8	250	30.18	0.00	70	42	36	03	0	0	192	30.16	0.00	82	49	32	20	1	8
21	0	29.93	0.00	60	50	70	29	0	0	0	30.20	0.00	52	43	72	02	0	0	0	30.15	0.00	65	50	59	20	0	0
JUN 10									JUN 11									JUN 12									
00	0	30.15	0.00	61	50	67	21	0	0	0	29.77	0.00	61	59	91	16	0	0	0	29.99	0.00	48	46	94	30	0	0
03	0	30.13	0.00	60	51	71	22	0	0	0	29.67	0.20	63	61	93	16	0	8	0	30.03	0.00	47	45	95	30	0	0
06	28	30.10	0.00	57	51	81	23	0	0	12	29.65	0.00	63	62	95	19	0	5	30	30.10	0.00	46	45	96	30	0	0
09	533	30.07	0.00	72	55	56	18	1	9	218	29.77	0.00	57	55	93	26	5	21	575	30.11	0.00	61	52	72	17	0	0
12	916	30.02	0.00	77	59	53	21	2	7	192	29.84	0.00	58	54	87	30	2	12	904	30.10	0.00	68	47	47	28	2	9
15	954	29.94	0.00	83	58	42	12	4	15	900	29.88	0.00	65	55	72	31	1	14	624	30.06	0.00	72	52	50	21	1	7
18	200	29.88	0.00	78	59	52	24	0	8	93	29.96	0.00	60	50	70	31	0	7	97	29.99	0.00	73	46	38	23	1	8
21	0	29.83	0.00	72	53	52	19	1	9	0	30.00	0.00	51	48	87	31	0	0	0	30.00	0.00	62	49	63	20	0	1
JUN 13									JUN 14									JUN 15									
00	0	30.00	0.00	54	50	84	20	0	0	0	29.63	0.00	51	49	92	23	0	2	0	29.87	0.00	52	50	93	26	0	0
03	0	29.95	0.00	60	50	70	20	0	5	0	29.61	0.00	51	49	91	20	1	8	0	29.91	0.00	51	49	95	18	0	5
06	42	29.93	0.00	55	49	80	19	0	0	40	29.60	0.00	54	52	92	22	0	8	35	29.93	0.00	53	50	92	20	0	0
10	241	29.89	0.00	60	47	62	10	0	9	225	29.61	0.00	62	55	78	21	3	13	304	29.92	0.00	59	52	80	19	1	9
12	179	29.86	0.00	59	44	59	13	0	9	325	29.63	0.00	62	55	77	21	4	16	206	29.88	0.00	63	53	69	18	1	8
15	392	29.76	0.00	57	47	69	13	3	10	438	29.68	0.00	63	53	69	27	4	14	884	29.76	0.00	76	58	55	20	3	20
18	98	29.70	0.00	58	50	74	16	0	1	30	29.75	0.00	57	50	78	24	0	12	37	29.77	0.00	67	54	62	26	3	11
21	0	29.67	0.00	52	49	88	14	0	0	0	29.83	0.00	54	52	94	23	0	2	0	29.74	0.00	64	54	70	25	4	13
JUN 16									JUN 17									JUN 18									
00	0	29.79	0.00	59	57	94	24	0	8	0	29.84	0.00	51	48	92	01	0	0	0	29.96	0.00	49	46	88	33	0	0
03	0	29.79	0.00	56	55	95	23	0	0	0	29.87	0.00	51	49	93	32	0	0	0	29.95	0.00	48	46	92	33	0	0
06	21	29.81	0.00	54	53	96	23	0	0	35	29.92	0.00	50	49	96	32	0	0	37	29.94	0.00	52	49	89	02	0	4
09	204	29.82	0.00	59	55	88	07	0	1	610	29.96	0.00	60	53	78	34	0	1	343	29.94	0.00	63	54	72	01	0	0
12	758	29.80	0.00	67	55	65	30	0	8	907	29.97	0.00	67	53	60	30	0	13	626	29.91	0.00	72	55	55	24	0	2
15	654	29.79	0.00	70	55	59	30	0	0	821	29.95	0.00	72	53	52	24	0	0	167	29.85	0.00	74	58	57	20	0	5
18	192	29.79	0.00	67	54	64	01	0	7	188	29.93	0.00	72	52	50	29	0	0	148	29.82	0.00	74	58	58	29	0	0
21	0	29.81	0.00	55	51	85	01	0	0	0	29.95	0.00	56	49	77	33	0	0	0	29.82	0.00	61	55	82	29	0	0

MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	1.30	2.41	3.47	4.17	5.44	8.26	8.33	10.22	10.39	11.06	11.06	11.20
Ended: Date	30	30	30	30	30	30	30	30	30	30	30	30
Ended: Time	1607	1607	1607	1633	1625	1633	1633	1633	1633	1704	1704	1745

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

June 2019: Westford

Hour	JUN 19									JUN 20									JUN 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	29.83	0.00	55	53	93	29	0	0	0	29.66	0.00	63	61	95	19	0	0	0	29.49	0.00	60	58	96	02	0	10
03	0	29.80	0.00	58	56	93	22	0	0	0	29.63	0.00	63	61	96	21	0	0	0	29.49	0.00	58	57	97	00	0	5
06	49	29.78	0.00	61	59	95	22	0	4	37	29.61	0.00	64	63	96	18	0	7	14	29.53	0.00	56	55	97	01	0	0
09	452	29.77	0.00	70	64	80	22	3	11	125	29.57	0.00	65	64	94	09	0	0	165	29.58	0.00	59	57	94	06	0	0
12	872	29.74	0.00	78	67	70	23	0	5	69	29.52	0.11	67	65	94	06	0	0	606	29.62	0.00	66	61	83	30	0	6
15	260	29.70	0.00	76	64	67	27	0	7	95	29.45	0.09	65	64	96	03	0	0	677	29.63	0.00	70	59	67	04	0	9
18	155	29.67	0.00	75	64	68	19	1	8	123	29.43	0.00	67	65	94	27	0	0	169	29.65	0.00	69	56	65	31	0	7
21	0	29.67	0.00	65	63	93	19	0	0	0	29.47	0.00	62	60	96	31	0	0	0	29.69	0.00	61	53	75	31	0	2
JUN 22									JUN 23									JUN 24									
00	0	29.72	0.00	60	52	76	32	0	0	0	29.87	0.00	61	50	67	30	0	9	0	29.77	0.00	59	52	77	28	0	0
03	0	29.72	0.00	56	50	79	01	0	0	0	29.86	0.00	58	50	74	01	0	0	0	29.78	0.00	53	50	90	28	0	0
06	35	29.78	0.00	52	50	92	31	0	0	25	29.91	0.00	52	49	90	30	0	0	21	29.80	0.00	52	51	94	28	0	0
09	559	29.82	0.00	64	55	74	31	0	10	533	29.92	0.00	67	52	59	28	0	4	570	29.84	0.00	70	56	61	30	0	0
12	956	29.82	0.00	70	57	63	30	5	14	860	29.85	0.00	74	55	51	31	1	18	868	29.82	0.00	76	58	54	28	0	1
15	360	29.81	0.00	75	52	45	30	8	20	791	29.78	0.00	78	60	54	31	3	19	733	29.81	0.00	76	52	44	28	2	7
18	227	29.82	0.00	70	52	52	30	1	15	123	29.76	0.00	77	54	46	27	2	10	174	29.78	0.00	75	58	54	30	0	0
21	0	29.84	0.00	62	51	66	31	0	0	0	29.75	0.00	62	52	72	30	0	0	0	29.78	0.00	60	52	75	30	0	0
JUN 25									JUN 26									JUN 27									
00	0	29.79	0.00	53	50	89	30	0	0	0	29.85	0.00	61	59	93	23	1	5	0	29.96	0.00	61	59	94	20	0	4
03	0	29.76	0.00	51	49	91	30	0	0	0	29.90	0.00	58	56	94	28	0	0	0	29.98	0.00	61	59	95	20	0	0
06	21	29.75	0.00	58	54	86	25	0	0	21	29.94	0.00	57	56	96	28	0	0	30	30.02	0.00	61	59	96	21	0	0
09	160	29.73	0.00	69	60	71	08	0	2	557	29.96	0.00	72	64	76	25	0	5	547	30.05	0.00	72	63	75	22	0	7
12	114	29.73	0.14	62	60	93	12	0	0	872	29.94	0.00	77	63	62	26	0	8	872	30.05	0.00	77	64	64	24	4	13
15	127	29.75	0.00	66	64	92	20	0	9	805	29.89	0.00	81	66	62	17	0	4	803	30.02	0.00	82	62	50	27	0	10
18	62	29.74	0.00	76	69	78	20	0	11	28	29.91	0.13	65	62	88	17	0	0	70	30.01	0.00	81	58	46	28	1	6
21	0	29.80	0.00	66	63	90	22	0	0	0	29.93	0.00	64	62	92	22	0	0	0	30.05	0.00	66	58	77	28	0	0
JUN 28									JUN 29									JUN 30									
00	0	30.06	0.00	63	58	84	28	0	0	0	30.02	0.00	70	58	66	30	1	13	0	29.75	0.00	60	58	95	23	0	0
03	0	30.06	0.00	61	57	85	08	0	0	0	29.97	0.00	62	59	90	11	0	0	0	29.73	0.00	58	57	96	24	0	0
06	21	30.07	0.00	57	55	94	14	0	0	0	29.94	0.00	61	59	94	20	0	0	21	29.72	0.00	56	55	96	24	0	0
09	550	30.10	0.00	74	64	71	19	2	6	132	29.92	0.00	65	64	94	21	0	7	174	29.72	0.00	61	60	96	27	1	9
12	882	30.08	0.00	80	62	54	26	4	11	279	29.89	0.00	72	66	82	29	0	0	271	29.72	0.00	66	62	86	30	0	11
15	636	30.04	0.00	84	66	56	30	1	7	141	29.82	0.00	76	68	76	29	0	0	983	29.76	0.00	66	65	94	30	0	8
18	148	30.02	0.00	83	65	56	26	0	0	118	29.75	0.00	76	67	74	28	0	0	113	29.76	0.04	69	65	86	34	0	9
21	0	30.01	0.00	69	62	79	31	0	0	0	29.77	0.00	65	59	80	05	0	5	0	29.80	0.00	63	60	92	22	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

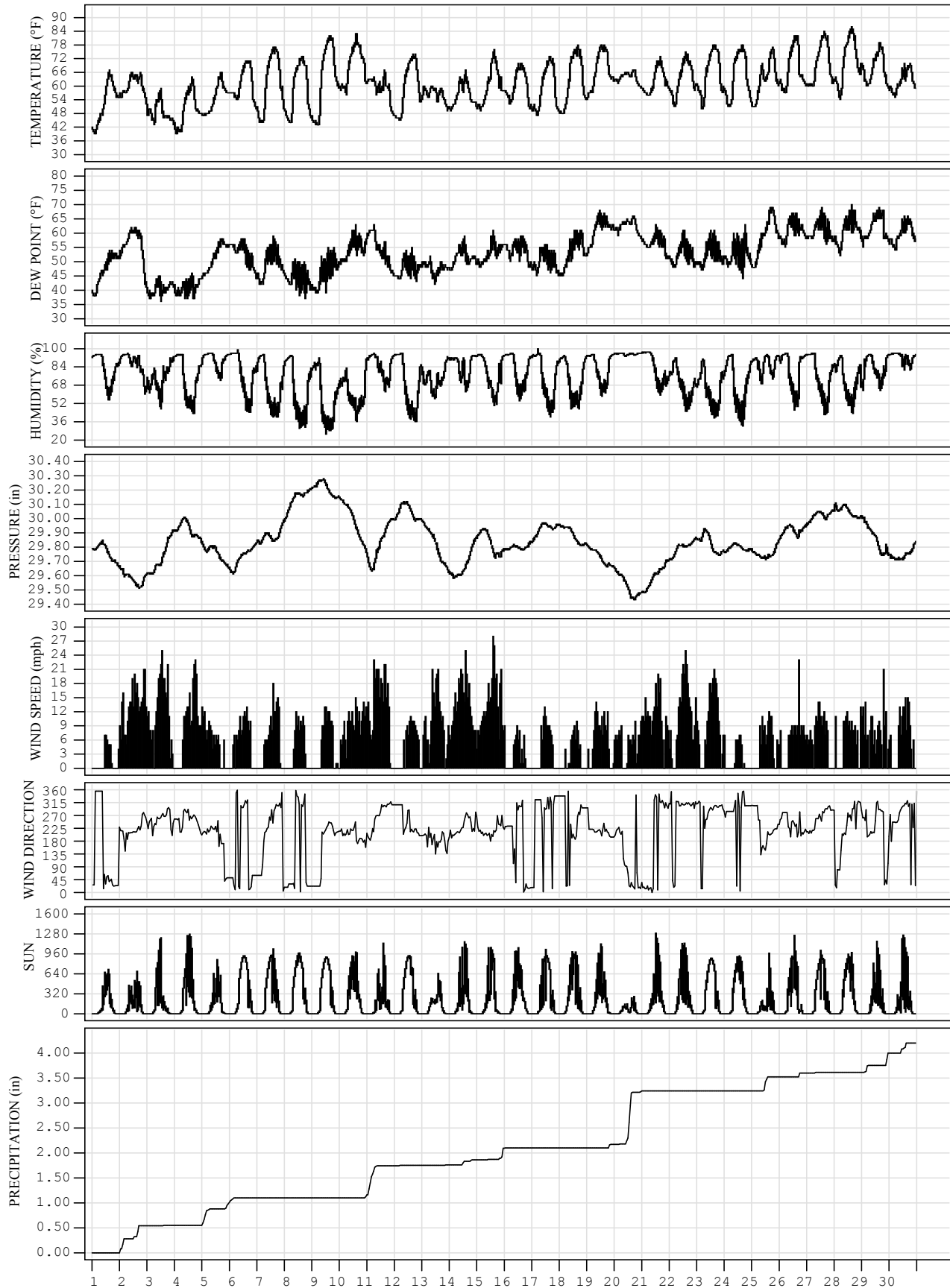
Hour	Averages						Resultant Wind	
	Sunshine	Pressure	Temperature	Dew Point	Humidity	Wind Speed	Direction	Speed
00	0	29.844	55	51	86	0.1	25	0.1
03	0	29.836	54	51	90	0.2	21	0.2
06	25	29.852	53	51	92	0.0	22	0.0
09	391	29.869	63	55	76	1.0	23	0.8
12	645	29.857	68	55	66	1.4	27	1.1
15	577	29.828	71	56	62	1.5	26	0.9
18	149	29.818	69	55	63	0.7	26	0.6
21	0	29.832	60	53	80	0.2	25	0.2

HOURLY PRECIPITATION (Water Equivalent) June 2019: Westford

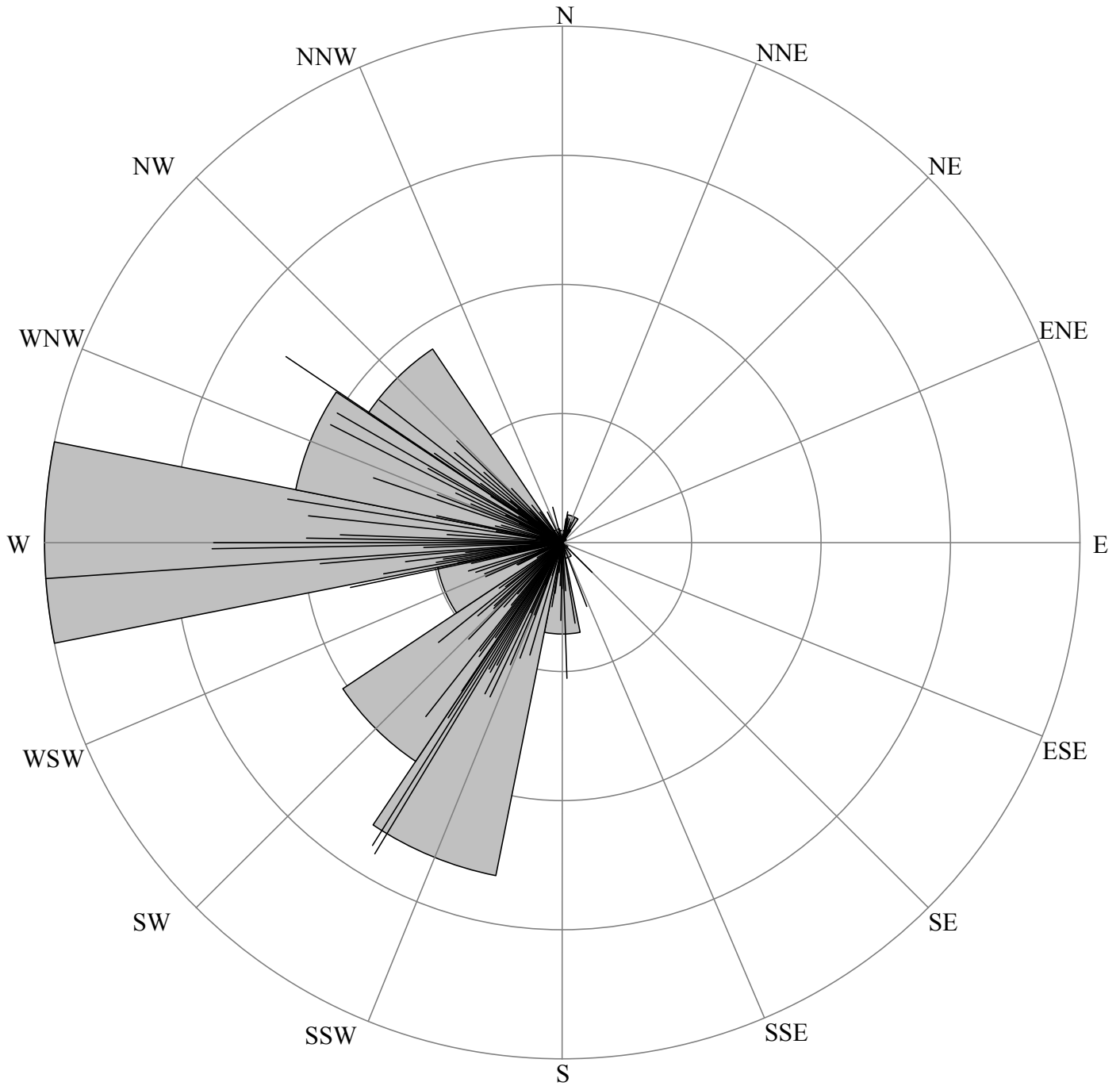
Date	A.M. Hour Ending at												P.M. Hour Ending at												Date
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	
01																								01	
02	0.08		0.09	0.11								0.04			0.10	0.12								02	
03														0.01										03	
04																								04	
05	0.05	0.07	0.09	0.08	0.01	0.01	0.02													0.01	0.06	0.03	0.03	05	
06	0.03	0.02	0.02	0.02																				06	
07																								07	
08																								08	
09																								09	
10																						0.02	0.04	10	
11		0.12	0.12	0.12	0.06	0.05	0.08	0.02	0.01															11	
12					0.01																			12	
13																				0.01				13	
14											0.01		0.04	0.03										14	
15																			0.02	0.01	0.01			15	
16	0.01																							16	
17																								17	
18																								18	
19																								19	
20					0.01							0.06	0.06	0.31	0.34	0.25	0.01			0.06	0.01			20	
21																								21	
22																								22	
23																								23	
24																								24	
25												0.02	0.16	0.05	0.05									25	
26																			0.08					26	
27								0.01																27	
28																								28	
29			0.01	0.01	0.11	0.01																0.12	0.13	29	
30												0.08		0.02	0.01	0.09								30	
Sum	0.17	0.21	0.33	0.34	0.20	0.07	0.10	0.03	0.01	0.01	0.16	0.26	0.45	0.40	0.35	0.11	0.12	0.08	0.02	0.09	0.03	0.21	0.36	0.09	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
June 2019: Westford



Wind Rose: June 2019
Westford



Maximum direction of wind: 15.4 miles from 266°
Maximum sector of wind: 107.8 miles from W
401.4 total miles of wind