

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

January 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		11	12	13	14	15	16	17	18	19	20	21	22	23	
1	41.1	14.4	27.7	29.2	26	88	37	0	.....	0	0.36	T	30.18	29.26	29.750	5.6	3.1	292	31	SSW	19	328	7
2	22.6	7.0	14.8	15.5	10	78	50	0	.....	0	T	T	30.37	30.00	30.241	0.1	0.0	254	14	SSW	5	208	53
3	28.8	20.7	24.8	26.0	24	91	40	0	.....	4	0.28	2.9	30.00	29.80	29.863	1.2	1.1	219	13	S	6	269	9
4	38.3	26.7	32.5	31.5	27	83	32	0	.....	2	0.00	0.0	29.86	29.69	29.751	3.4	3.4	213	24	SW	14	215	52
5	39.6	22.2	30.9	29.6	27	90	34	0	.....	1	0.00	0.0	29.69	29.55	29.625	0.2	0.2	327	10	WNW	6	320	45
6	32.7	8.7	20.7	24.4	21	86	44	0	.....	4	0.20	2.8	30.35	29.64	29.922	3.9	3.8	328	27	NW	17	317	13
7	18.5	0.4	9.5	7.8	0	72	55	0	.....	3	T	T	30.57	30.13	30.403	0.3	0.1	348	11	NW	6	10	50
8	34.9	18.4	26.7	28.8	25	86	38	0	.....	3	0.35	0.4	30.13	29.49	29.813	3.8	3.7	202	39	S	18	205	12
9	32.1	24.8	28.4	29.4	28	95	36	0	.....	6	0.46	3.5	29.49	29.33	29.381	2.0	1.9	313	25	NW	12	321	4
10	24.9	8.1	16.5	18.0	16	92	48	0	.....	13	0.38	11.5	29.90	29.38	29.631	5.3	5.3	318	27	WNW	14	304	8
11	8.1	-3.6	2.3	2.5	-1	84	63	0	.....	13	0.04	2.2	30.39	29.90	30.181	1.5	1.4	315	15	NW	9	302	22
12	12.1	-4.9	3.6	2.5	-3	78	61	0	.....	11	0.00	0.0	30.58	30.38	30.510	1.0	1.0	300	18	WNW	10	314	63
13	12.2	-8.3	1.9	0.1	-4	84	63	0	.....	9	0.00	0.0	30.57	30.42	30.515	0.0	0.0	19	7	ENE	3	306	92
14	17.7	-6.5	5.6	3.9	1	86	59	0	.....	9	0.00	0.0	30.42	30.15	30.285	0.0	0.0	0	0	W	0	306	88
15	25.6	5.1	15.4	19.2	16	88	49	0	.....	8	T	T	30.15	29.92	30.069	1.4	1.4	206	12	S	7	203	22
16	30.7	1.7	16.2	22.1	17	81	48	0	.....	8	T	T	30.26	29.77	29.922	4.5	2.9	250	25	W	14	300	18
17	16.0	-9.3	3.3	3.4	-3	73	61	0	.....	8	0.00	0.0	30.43	30.15	30.322	0.1	0.0	200	10	S	2	178	80
18	26.7	13.8	20.3	21.0	16	81	44	0	.....	9	0.11	0.7	30.18	29.91	30.044	3.0	2.8	210	22	S	11	215	31
19	16.2	-8.2	4.0	-1.6	-7	79	61	0	.....	9	0.10	1.3	30.41	30.12	30.286	0.3	0.3	2	14	WNW	4	15	28
20	8.8	-7.0	0.9	-1.4	-5	85	64	0	.....	21	1.05	12.0	30.12	29.53	29.745	1.5	1.5	331	20	NW	11	323	4
21	-3.3	-10.7	-7.0*	-6.3	-11	79	72	0	.....	20	0.10	1.5	30.35	29.76	29.995	5.3	5.3	317	25	WNW	13	310	15
22	16.2	-13.4*	1.4	0.8	-7	70	63	0	.....	19	0.00	0.0	30.63	30.35	30.530	0.9	0.3	255	21	WNW	8	316	84
23	37.9	9.8	23.9	26.0	17	69	41	0	.....	6	0.07	T	30.37	29.70	30.021	6.1	6.1	203	31	S	14	196	24
24	43.1*	23.1	33.1*	36.7	35	95	32	0	.....	11	1.18	1.7	29.70	29.32	29.465	3.0	2.4	219	31	S	13	205	11
25	29.7	14.1	21.9	21.6	17	84	43	0	.....	11	0.02	0.3	30.01	29.60	29.783	2.7	2.6	266	29	W	16	277	26
26	18.2	0.8	9.5	10.7	7	84	55	0	.....	12	0.03	0.6	30.23	30.01	30.143	0.1	0.1	261	8	S	4	214	64
27	30.2	3.2	16.7	17.8	13	82	48	0	.....	13	0.24	1.0	30.19	29.79	29.946	2.6	1.9	256	29	W	16	288	30
28	13.0	-5.6	3.7	2.7	-7	63	61	0	.....	13	0.00	0.0	30.23	30.00	30.124	0.7	0.5	307	23	NW	12	287	91
29	25.6	-0.7	12.5	17.5	11	76	52	0	.....	13	0.05	0.4	30.03	29.75	29.878	1.2	1.2	186	18	SE	7	194	42
30	22.5	0.1	11.3	13.1	8	79	53	0	.....	16	0.26	5.0	29.93	29.61	29.773	1.8	1.6	280	30	WNW	17	283	68
31	8.3	-6.2	1.1	2.1	-6	67	64	0	.....	15	0.00	0.0	30.19	29.92	30.068	6.5	6.0	229	25	SSW	17	243	80
Sum	Sum	-----	-----	---	----	Ttl	Ttl				Total	Total	For the month:										---
	729	139				1571	0		Number of Days		5.28	47.8	30.63	29.26	29.999	2.3	1.3	260	39	S	19	328	
Avg	Avg	Avg	Mean	Avg	Avg	----	----		Precip		Season Ttl	Date	Date	-----	----	----	---	Date	Date	Avg			
	23.5	4.5	14.0	14.7	10	81.6	----	----	≥.01 inch	18	5.28	85.2	22	1	-----	----	----	---	8	1	40		
Number of Days							Season to Date	Snow, Ice ≥1.0 inch	11	Greatest in 24 Hours and Dates					Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date								
Max Temperature			Min Temperature			4704	0	Thunder	0	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	0.00	-	12.0	20	21			20								
0	24	31	14	----	----	Clear	5	Partly Cloudy	7	Cloudy	19												

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

January 2019: Westford

Hour	JAN 01									JAN 02									JAN 03								
	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	29.69	0.00	33	31	94	18	0	6	0	30.18	0.00	15	11	84	03	1	6	0	30.00	0.00	21	17	85	17	1	9
03	0	29.42	0.00	35	34	94	20	4	21	0	30.23	0.00	11	8	87	02	0	0	0	29.87	0.00	23	21	92	20	2	6
06	0	29.26	0.00	40	39	94	21	5	26	0	30.33	0.00	11	7	87	02	0	0	0	29.81	0.00	25	23	94	19	1	7
09	19	29.58	0.00	33	30	92	30	4	23	26	30.36	0.00	9	7	90	02	0	0	12	29.85	0.00	27	25	93	21	0	6
12	21	29.78	0.00	31	27	88	32	6	20	330	30.33	0.00	17	11	77	30	0	0	46	29.84	0.00	29	26	91	25	2	6
15	32	29.89	0.00	28	24	84	31	10	16	47	30.26	0.00	22	7	51	21	0	0	5	29.86	0.00	28	25	89	21	0	5
18	0	30.07	0.00	24	19	81	34	5	18	0	30.21	0.00	18	11	74	21	0	0	0	29.88	0.00	27	24	88	22	1	8
21	0	30.14	0.00	18	13	81	33	6	14	0	30.11	0.00	19	14	80	21	0	0	0	29.88	0.00	26	24	91	20	1	4
JAN 04									JAN 05									JAN 06									
00	0	29.85	0.00	27	25	92	19	4	9	0	29.69	0.00	27	25	91	21	0	0	0	29.64	14.05	32	30	92	31	0	0
03	0	29.82	0.00	28	26	91	20	3	7	0	29.66	0.00	26	24	93	21	0	0	0	29.66	14.05	32	30	89	26	0	7
06	0	29.78	0.00	29	26	89	21	5	14	0	29.62	0.00	25	23	94	21	0	0	0	29.67	0.00	32	30	92	26	0	0
09	40	29.77	0.00	31	27	83	20	4	12	69	29.64	0.00	25	23	94	06	0	0	9	29.77	0.00	31	29	95	31	2	13
12	355	29.69	0.00	36	28	73	21	7	12	244	29.58	0.00	35	29	80	04	0	0	54	29.88	0.00	25	23	93	30	13	25
15	63	29.71	0.00	38	29	70	22	5	14	93	29.57	0.00	35	29	80	01	1	6	42	30.00	0.00	22	15	75	34	9	19
18	0	29.72	0.00	32	27	80	18	0	7	0	29.61	0.00	30	28	92	31	0	0	0	30.15	0.00	18	12	75	34	9	22
21	0	29.72	0.00	32	27	82	20	1	7	0	29.65	0.00	32	30	94	32	0	8	0	30.28	0.00	14	8	77	35	0	9
JAN 07									JAN 08									JAN 09									
00	0	30.35	0.00	9	3	76	00	3	9	0	30.13	0.00	18	6	59	18	1	9	0	29.49	0.00	32	30	95	08	0	0
03	0	30.43	0.00	4	0	83	00	0	5	0	29.99	0.00	20	17	87	19	3	15	0	29.42	0.00	32	31	96	08	0	0
06	0	30.49	0.00	2	-2	84	00	0	8	0	29.91	0.00	27	22	81	20	10	34	0	29.34	0.00	31	30	96	34	0	0
09	76	30.53	0.00	2	-2	81	04	1	7	18	29.91	0.00	30	26	83	19	7	24	7	29.39	0.00	27	25	95	33	1	10
12	232	30.47	0.00	8	-2	62	07	0	0	40	29.85	0.00	32	29	88	20	8	16	25	29.35	0.00	29	28	95	31	0	7
15	74	30.47	0.00	11	-1	59	21	0	0	23	29.77	0.00	35	31	87	20	1	7	0	29.38	0.00	29	28	95	32	2	12
18	0	30.36	0.00	10	2	71	06	0	0	0	29.69	0.00	30	27	88	08	0	0	0	29.39	0.00	30	29	95	33	0	15
21	0	30.21	0.00	12	5	73	10	0	0	0	29.58	0.00	32	30	94	21	0	0	0	29.38	0.00	29	27	92	28	3	14
JAN 10									JAN 11									JAN 12									
00	0	29.38	0.00	25	23	93	31	5	15	0	29.90	0.00	8	5	88	30	9	12	0	30.38	0.00	2	-3	80	33	2	13
03	0	29.42	0.00	24	23	94	32	3	15	0	29.98	0.00	6	3	88	31	5	9	0	30.43	0.00	0	-5	79	28	6	12
06	0	29.46	0.00	24	22	94	30	5	16	0	30.05	0.00	5	2	88	29	1	11	0	30.48	0.00	-0	-5	80	29	3	9
09	12	29.57	0.00	20	19	93	31	8	20	26	30.15	0.00	2	-2	85	34	0	7	11	30.53	0.00	-3	-6	85	19	1	5
12	23	29.64	0.00	18	16	91	32	10	18	132	30.19	0.00	3	-1	83	33	0	2	251	30.51	0.00	9	1	69	26	1	7
15	19	29.71	0.00	16	14	91	32	8	13	39	30.27	0.00	2	-3	82	32	3	15	193	30.52	0.00	11	2	67	32	0	4
18	0	29.78	0.00	14	12	90	31	4	14	0	30.32	0.00	-2	-6	85	21	1	6	0	30.56	0.00	4	-1	80	02	0	0
21	0	29.86	0.00	11	9	89	34	5	15	0	30.37	0.00	2	-3	80	29	3	12	0	30.58	0.00	0	-3	84	12	0	0
JAN 13									JAN 14									JAN 15									
00	0	30.55	0.00	-4	-7	86	12	0	0	0	30.42	0.00	-4	-7	87	31	0	0	0	30.15	0.00	5	3	89	06	0	0
03	0	30.56	0.00	-6	-9	85	12	0	0	0	30.40	0.00	-5	-8	86	31	0	0	0	30.13	0.00	14	11	88	18	0	0
06	0	30.55	0.00	-6	-10	85	12	0	0	0	30.34	0.00	-6	-9	86	31	0	0	0	30.11	0.00	17	14	88	20	0	0
09	16	30.56	0.00	-5	-8	87	12	0	0	21	30.35	0.00	-3	-6	87	31	0	0	21	30.12	0.00	17	14	90	18	0	5
12	396	30.53	0.00	9	4	81	36	0	0	322	30.29	0.00	12	7	82	31	0	0	83	30.08	0.00	19	17	91	20	2	8
15	241	30.48	0.00	11	5	75	00	0	2	137	30.24	0.00	17	10	75	06	0	0	49	30.05	0.00	23	19	87	21	0	6
18	0	30.47	0.00	3	-1	86	31	0	0	0	30.20	0.00	9	6	88	06	0	0	0	30.04	0.00	23	20	89	20	2	7
21	0	30.46	0.00	-2	-5	87	31	0	0	0	30.17	0.00	5	3	90	06	0	0	0	29.99	0.00	24	21	87	20	2	10
JAN 16									JAN 17									JAN 18									
00	0	29.92	0.00	26	23	89	20	5	11	0	30.26	0.00	2	-5	74	32	0	5	0	30.15	0.00	16	1	50	18	0	9
03	0	29.85	0.00	26	23	88	20	5	13	0	30.31	0.00	-2	-6	81	01	0	5	0	30.11	0.00	17	6	60	22	2	9
06	0	29.81	0.00	27	23	85	21	3	14	0	30.35	0.00	-5	-9	84	07	0	0	0	30.05	0.00	18	12	75	21	3	13
09	25	29.81	0.00	26	22	85	22	4	13	26	30.42	0.00	-4	-8	84	05	0	3	42	30.02	0.00	22	18	85	19	2	14
12	46	29.78	0.00	28	24	82	22	4	12	429	30.39	0.00	8	-1	65	25	0	4	123	29.95	0.00	25	22	88	21	6	18
15	54	29.83	0.00	29	23	77	29	9	20	153	30.34	0.00	12	-2	54	21	0	0	37	29.94	0.00	27	23	86	22	4	11
18	0	30.03	0.00	17	10	73	31	7	15	0	30.30	0.00	5	-2	74	20	0	0	0	30.01	0.00	24	22	92	28	0	0
21	0	30.18	0.00	8	1	71	32	3	14	0	30.25	0.00	6	1	80	20	0	0	0	30.12	0.00	19	15	84	35	1	11

MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	1.28	2.45	3.64	4.84	7.16	10.68	14.16	18.85	23.52	28.20	35.24	42.24
Ended: Date	06	06	06	06	06	06	06	06	06	06	06	06
Ended: Time	0038	0147	0027	0055	0035	0158	0113	0244	0147	0244	0244	0323

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

January 2019: Westford

Hour	JAN 19									JAN 20									JAN 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	30.18	0.00	16	13	88	01	0	5	0	30.12	0.00	-7	-10	83	34	0	0	0	29.76	0.00	-5	-8	85	31	3	11
03	0	30.25	0.00	8	3	82	01	2	10	0	29.96	0.00	-6	-10	83	34	0	0	0	29.81	0.00	-8	-12	83	32	4	19
06	0	30.31	0.00	-1	-7	75	02	1	9	0	29.81	0.00	2	-1	87	34	0	0	0	29.86	0.00	-10	-14	82	29	5	13
09	69	30.38	0.00	-2	-8	76	03	0	0	0	29.67	0.00	8	5	88	01	0	0	25	29.91	0.00	-10	-13	82	30	7	11
12	144	30.36	0.00	0	-7	71	33	0	2	11	29.54	0.00	2	-1	86	31	0	4	56	29.96	0.00	-5	-9	82	33	1	9
15	25	30.33	0.00	-5	-10	78	30	0	0	21	29.60	0.00	-1	-5	84	31	7	14	42	30.01	0.00	-5	-9	81	32	4	21
18	0	30.27	0.00	-6	-10	83	00	0	0	0	29.70	0.00	-3	-6	85	33	0	12	0	30.12	0.00	-4	-11	72	30	5	14
21	0	30.21	0.00	-7	-11	83	34	0	0	0	29.73	0.00	-4	-8	85	34	0	10	0	30.23	0.00	-4	-10	73	33	8	15
JAN 22									JAN 23									JAN 24									
00	0	30.35	0.00	-5	-10	76	32	2	11	0	30.37	0.00	16	1	52	17	1	6	0	29.70	0.00	38	36	91	20	10	20
03	0	30.44	0.00	-7	-13	77	35	1	7	0	30.25	0.00	19	3	49	20	5	23	0	29.64	0.00	40	38	92	20	5	22
06	0	30.53	0.00	-10	-15	80	12	0	5	0	30.17	0.00	22	7	51	20	2	19	0	29.54	0.00	42	40	93	19	5	13
09	12	30.61	0.00	-10	-14	82	07	0	0	76	30.12	0.00	24	10	56	19	3	21	18	29.42	0.00	43	42	96	22	5	12
12	517	30.62	0.00	7	-4	60	25	0	0	63	30.04	0.00	26	16	66	20	6	21	65	29.37	0.00	40	39	96	34	0	5
15	227	30.60	0.00	11	-0	60	23	0	0	39	29.94	0.00	27	22	83	20	1	11	16	29.32	0.00	38	37	96	03	2	7
18	0	30.57	0.00	5	-2	71	19	0	0	0	29.85	0.00	32	28	85	20	9	31	0	29.36	0.00	32	31	96	33	0	6
21	0	30.48	0.00	8	-1	65	19	2	7	0	29.76	0.00	35	32	90	20	8	23	0	29.45	0.00	28	27	96	31	2	9
JAN 25									JAN 26									JAN 27									
00	0	29.60	0.00	23	21	92	29	3	11	0	30.01	0.00	14	10	83	31	2	7	0	30.19	0.00	9	6	87	15	0	0
03	0	29.68	0.00	20	18	91	30	0	0	0	30.06	0.00	11	8	88	04	0	0	0	30.13	0.00	4	2	88	22	0	0
06	0	29.67	0.00	20	17	89	29	0	0	0	30.10	0.00	6	3	87	02	0	0	0	30.01	0.00	10	8	91	14	0	0
09	16	29.72	0.00	22	20	92	21	0	0	69	30.15	0.00	9	6	90	20	0	0	107	29.89	0.00	22	15	73	18	4	19
12	309	29.71	0.00	30	25	82	22	4	10	148	30.15	0.00	16	10	77	29	1	6	148	29.81	0.00	24	21	89	18	1	11
15	30	29.77	0.00	24	20	84	25	7	26	179	30.17	0.00	18	10	70	28	0	0	0	29.81	0.00	28	26	90	26	3	16
18	0	29.89	0.00	20	14	77	24	6	20	0	30.21	0.00	11	7	86	28	0	0	0	29.87	0.00	25	20	81	28	4	11
21	0	29.99	0.00	18	11	74	26	4	10	0	30.22	0.00	5	2	89	28	0	0	0	29.96	0.00	19	10	68	27	9	19
JAN 28									JAN 29									JAN 30									
00	0	30.00	0.00	13	6	74	28	0	3	0	30.03	0.00	1	-7	67	08	0	0	0	29.76	0.00	22	20	91	21	0	0
03	0	30.04	0.00	10	4	76	27	5	13	0	29.97	0.00	5	-3	69	19	0	0	0	29.77	0.00	20	18	91	02	0	0
06	0	30.10	0.00	1	-7	71	01	0	0	0	29.91	0.00	11	3	70	21	0	0	0	29.77	0.00	15	12	90	35	0	0
09	32	30.20	0.00	-2	-11	65	05	0	6	91	29.91	0.00	19	10	69	18	2	11	23	29.75	0.00	14	11	87	02	0	0
12	439	30.21	0.00	6	-8	53	36	0	6	146	29.89	0.00	24	15	71	20	1	9	807	29.70	0.00	18	10	70	22	1	5
15	190	30.17	0.00	7	-8	49	02	0	10	91	29.84	0.00	25	19	78	19	0	7	47	29.63	0.00	17	3	54	21	0	5
18	0	30.13	0.00	-1	-13	57	02	0	0	0	29.83	0.00	22	18	86	18	1	7	0	29.81	0.00	8	4	86	30	5	12
21	0	30.11	0.00	-5	-13	69	02	0	0	0	29.80	0.00	22	18	85	20	2	9	0	29.90	0.00	4	-4	69	27	5	14
JAN 31																											
00	0	29.93	0.00	0	-7	71	25	6	13																		
03	0	29.96	0.00	-4	-11	72	20	6	13																		
06	0	30.00	0.00	-6	-13	71	21	5	11																		
09	135	30.07	0.00	-2	-11	66	21	10	22																		
12	396	30.09	0.00	4	-6	61	21	8	23																		
15	146	30.08	0.00	7	-2	65	25	5	14																		
18	0	30.12	0.00	8	-1	67	24	11	20																		
21	0	30.16	0.00	8	-1	69	25	9	20																		

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	30.005	14	9	82	1.8	27	1.0
03	0	29.988	13	9	84	2.0	24	1.2
06	0	29.974	13	9	84	1.7	23	1.3
09	37	30.004	14	10	84	2.1	24	1.2
12	206	29.986	18	13	79	2.7	25	1.7
15	76	29.986	19	12	76	2.7	30	2.0
18	0	30.017	15	10	82	2.3	28	1.5
21	0	30.030	13	9	82	2.4	28	1.6

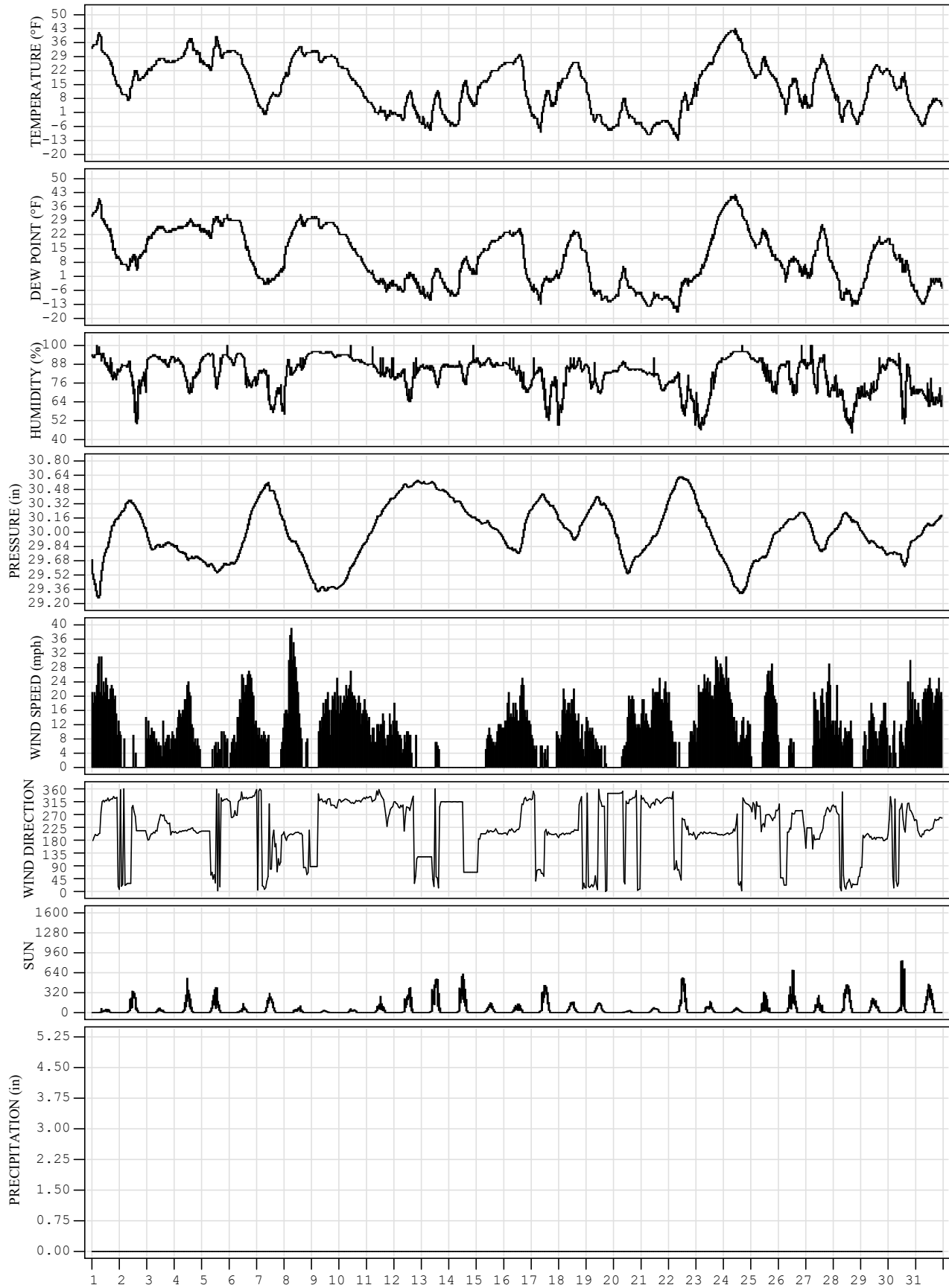
HOURLY PRECIPITATION (Water Equivalent) January 2019: Westford

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																									02
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29																									29
30																									30
31																									31
Sum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Sum

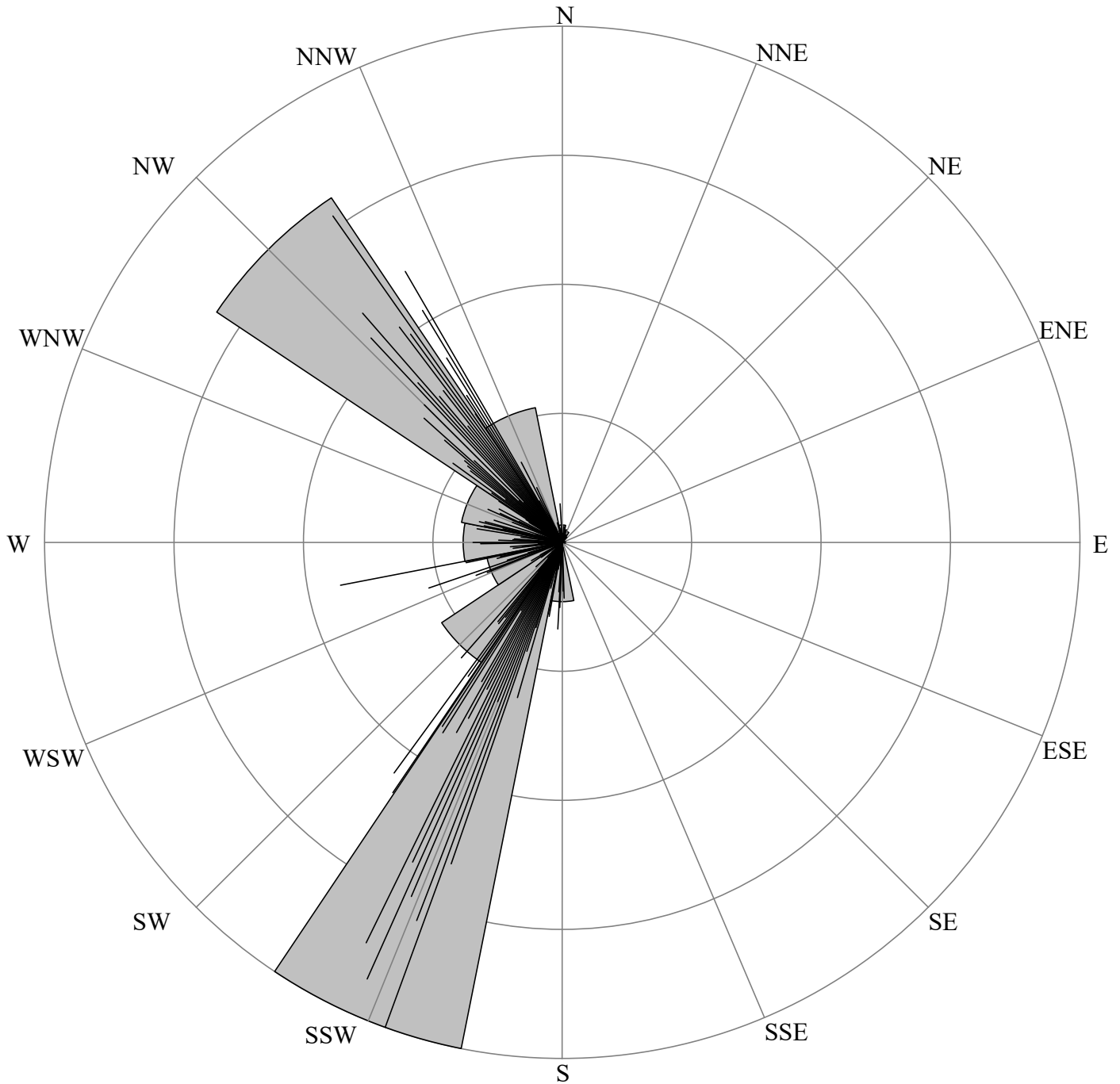
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

HOUR-BY-HOUR DATA

January 2019: Westford



Wind Rose: January 2019
Westford



Maximum direction of wind: 59.0 miles from 200°
Maximum sector of wind: 549.0 miles from SSW
1682.8 total miles of wind