

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

June 2014

Station: Westford
 Latitude: 44° 37' 39" 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 Speed	Res Speed	Res Dir	Peak Speed	Dir		Minute 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	76.1	43.5	59.8	61.1	49	68	5	0	.....	0	0.00	0.0	30.30	30.08	30.205	0.6	0.6	216	14	SW	5	235	309
2	83.7	56.9	70.3	69.9	52	54	0	6	.....	0	0.00	0.0	30.09	29.87	29.978	2.3	2.3	216	19	SW	9	218	309
3	85.9*	62.1	74.0	71.6	63	74	0	9	..3.....	0	0.50	0.0	29.89	29.67	29.781	1.5	1.4	218	23	WNW	13	294	178
4	73.5	52.4	63.0	63.9	56	76	2	0	.....	0	0.07	0.0	29.80	29.65	29.702	0.8	0.7	256	17	SW	9	300	242
5	70.8	46.6	58.7	58.3	52	80	6	0	.....	0	0.00	0.0	29.74	29.63	29.668	0.3	0.3	318	16	WNW	7	314	239
6	66.8	50.9	58.9	58.5	55	87	6	0	.....	0	0.03	0.0	29.87	29.71	29.787	0.7	0.7	300	15	WNW	9	295	144
7	79.0	53.3	66.1	65.6	56	73	0	1	.....	0	0.00	0.0	29.94	29.83	29.892	0.3	0.3	298	15	N	8	305	316
8	82.1	51.0	66.5	66.5	56	72	0	2	.....	0	0.00	0.0	29.90	29.78	29.850	0.1	0.1	224	10	W	4	237	285
9	81.0	58.6	69.8	68.7	60	76	0	5	.....	0	0.00	0.0	29.91	29.80	29.865	0.3	0.3	308	13	WNW	7	317	255
10	74.6	54.7	64.6	64.2	59	83	0	0	.....	0	0.00	0.0	30.02	29.85	29.932	0.2	0.1	13	12	NE	5	282	164
11	71.2	48.3	59.7	58.0	52	83	5	0	.....	0	0.11	0.0	30.09	30.01	30.052	0.7	0.6	210	17	SSE	7	214	160
12	60.1	53.5	56.8	57.1	55	94	8	0	.....	0	1.08	0.0	30.03	29.89	29.960	1.0	1.0	189	19	SSW	6	178	64
13	69.3	59.5	64.4	62.3	60	93	0	0	.....	0	0.36	0.0	29.89	29.69	29.779	0.6	0.6	183	18	SSE	8	173	101
14	68.1	55.5	61.8	60.1	56	86	3	0	.....	0	0.44	0.0	29.94	29.69	29.816	1.7	1.5	289	17	WNW	10	288	225
15	69.9	51.1	60.5	59.1	53	81	4	0	.....	0	0.00	0.0	30.07	29.93	30.034	0.7	0.7	308	18	WNW	8	307	221
16	76.2	46.8	61.5	62.4	54	77	3	0	.....	0	0.00	0.0	30.12	29.94	30.035	0.0	0.0	270	9	WNW	4	296	256
17	83.6	57.0	70.3	70.7	60	70	0	6	.....	0	0.22	0.0	30.00	29.55	29.873	0.1	0.1	236	12	SW	6	234	276
18	74.8	60.3	67.6	66.1	62	87	0	3	.....	0	0.37	0.0	29.91	29.55	29.758	2.1	1.6	271	24	SSE	11	304	132
19	71.9	53.9	62.9	64.3	53	69	2	0	.....	0	0.00	0.0	29.99	29.89	29.942	0.7	0.6	309	20	NW	9	305	318
20	66.4	44.9	55.7*	56.8	46	69	9	0	.....	0	0.00	0.0	29.98	29.93	29.946	0.5	0.4	343	18	WNW	9	302	264
21	69.9	42.5*	56.2	56.3	47	75	8	0	.....	0	0.00	0.0	29.96	29.87	29.911	0.5	0.4	316	15	NNW	8	301	296
22	74.9	45.5	60.2	60.3	51	74	4	0	.....	0	0.00	0.0	29.97	29.89	29.929	0.2	0.2	306	12	W	8	305	315
23	80.7	47.1	63.9	64.9	53	70	1	0	.....	0	0.00	0.0	30.06	29.95	30.003	0.4	0.4	223	16	SW	7	265	281
24	72.4	64.3	68.4	68.4	61	77	0	3	.....	0	0.13	0.0	29.98	29.78	29.896	3.3	3.3	211	24	SW	10	214	124
25	67.5	64.3	65.9	65.8	65	97	0	1	.....	0	1.64	0.0	29.85	29.78	29.815	1.2	1.0	216	20	S	13	205	50
26	78.1	55.0	66.5	66.1	62	88	0	2	.....	0	0.00	0.0	29.97	29.76	29.848	0.3	0.3	13	18	N	5	26	166
27	82.5	51.7	67.1	66.3	57	76	0	3	.....	0	0.00	0.0	30.13	29.96	30.040	0.1	0.0	324	9	WNW	3	303	306
28	85.1	51.1	68.1	67.6	57	72	0	3	.....	0	0.00	0.0	30.22	30.12	30.166	0.1	0.1	238	10	SW	4	268	293
29	85.4	57.8	71.6	72.4	60	67	0	7	.....	0	0.00	0.0	30.15	29.94	30.060	0.6	0.6	218	14	W	7	223	294
30	83.2	66.8	75.0*	74.2	66	77	0	10	.....	0	0.00	0.0	29.95	29.76	29.865	1.2	1.2	216	17	S	7	219	241
Sum	Sum	-----	-----	---	----	Ttl	Ttl						For the month:										---
2265	1607					66	61		Number of Days		4.95	0.0	30.30	27.50	29.913	0.8	0.5	241	24	SSE	13	294	
Avg	Avg	Avg	Mean	Avg	Avg	----	----		Precip		Season Ttl		Date	Date	-----	----	----	----	Date	Date	Avg		
75.5	53.6	64.5	64.3	56	77.5	----	----		≥.01 inch	11	22.47	94.0	1	27	-----	----	----	----	18+	3	227		
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			8315	76	Thunder	1	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----			Heavy Fog	0	1.71	24-25	0.0	-	0						-			
0	0	0	0	----	----			Clear	6	Partly Cloudy		16	Cloudy		8								

NOTES:
 Units are: Temperature=°F, Wind=mph, Pressure=Inches Hg, Precipitation=inches.
 Data in column 4A are (MAX+MIN) ÷ 2, whereas columns 4B, 5, 6, 15, 16, 23 are means via continuous observations for 24 hours.
 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 Watts/m² and is continuously averaged for 24 hours.
 Data in columns 4B, 5, 6, 15, 16, 23 are updated continuously, there by achieving a "true" mean.

OBSERVATIONS AT 3-HOUR INTERVALS

June 2014: 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																																																																																																																																																																																																										
JUN 01										JUN 02										JUN 03																																																																																																																																																																																																											
01	0	30.26	0.00	48	47	96	03	0	0	0	30.09	0.00	59	46	62	21	0	5	0	29.88	0.00	68	56	66	22	1	7	04	0	30.26	0.00	44	43	97	03	0	0	0	30.07	0.00	58	44	60	20	2	11	0	29.84	0.00	68	58	72	21	0	7	07	46	30.29	0.00	49	48	98	21	0	0	58	30.06	0.00	60	49	66	21	3	13	142	29.84	0.00	71	61	71	21	4	9	10	686	30.28	0.00	65	53	65	20	2	9	680	30.03	0.00	70	55	58	22	5	13	422	29.82	0.00	75	64	69	21	3	12	13	882	30.23	0.00	72	52	49	27	1	7	896	29.97	0.00	79	59	50	24	0	11	895	29.76	0.00	81	70	69	21	1	10	16	670	30.16	0.00	76	53	46	25	1	9	598	29.90	0.00	82	55	39	21	3	13	206	29.67	0.00	85	65	51	15	1	15	19	65	30.10	0.00	72	50	46	21	2	9	83	29.87	0.00	79	52	38	18	3	13	18	29.72	0.07	67	65	95	12	0	0	22	0	30.10	0.00	63	44	51	20	3	8	0	29.89	0.00	69	53	57	19	0	3	0	29.74	0.00	64	62	94	20	0	0
JUN 04										JUN 05										JUN 06																																																																																																																																																																																																											
01	0	29.70	0.00	62	59	90	21	0	3	0	29.67	0.00	52	49	90	19	0	0	0	29.72	0.00	54	53	94	32	0	3	04	0	29.71	0.00	63	61	94	21	0	7	0	29.64	0.00	48	46	96	19	0	0	0	29.71	0.00	52	51	97	29	0	0	07	46	29.77	0.00	56	54	91	29	1	11	47	29.67	0.00	50	49	97	28	0	0	33	29.76	0.00	54	53	97	29	0	0	10	705	29.77	0.00	66	54	64	24	0	0	483	29.66	0.00	66	54	64	28	0	2	220	29.78	0.04	56	55	96	30	0	10	13	893	29.69	0.00	72	55	55	23	3	10	330	29.64	0.00	70	53	55	27	0	5	473	29.80	0.00	62	59	88	29	0	10	16	151	29.66	0.00	70	55	58	23	0	11	666	29.64	0.00	68	57	68	33	1	11	290	29.81	0.00	65	57	73	29	0	9	19	69	29.66	0.00	66	57	72	03	0	0	37	29.69	0.00	59	53	80	32	1	8	174	29.82	0.00	65	55	70	31	2	10	22	0	29.69	0.00	58	55	88	04	0	0	0	29.72	0.00	56	53	90	14	0	0	0	29.85	0.00	61	55	82	26	0	3
JUN 07										JUN 08										JUN 09																																																																																																																																																																																																											
01	0	29.88	0.00	56	54	93	22	0	0	0	29.89	0.00	54	52	94	29	0	0	0	29.83	0.00	60	55	85	02	0	0	04	0	29.89	0.00	56	53	90	27	0	5	0	29.88	0.00	53	52	95	29	0	0	0	29.82	0.00	59	56	91	01	0	0	07	35	29.91	0.00	56	54	92	18	0	3	37	29.89	0.00	54	54	98	11	0	0	60	29.87	0.00	62	60	93	16	0	0	10	691	29.93	0.00	68	57	67	28	0	3	649	29.88	0.00	75	60	60	23	0	0	404	29.90	0.00	70	62	76	05	0	0	13	896	29.92	0.00	76	60	58	35	0	8	649	29.86	0.00	79	59	51	16	0	2	881	29.88	0.00	78	65	65	30	0	4	16	689	29.89	0.00	78	60	53	29	0	10	858	29.80	0.00	82	55	39	26	0	3	587	29.86	0.00	78	64	62	29	2	7	19	42	29.85	0.00	75	60	59	25	0	3	95	29.78	0.00	72	61	70	29	0	0	91	29.86	0.00	76	60	57	03	0	4	22	0	29.89	0.00	57	53	86	04	0	0	0	29.82	0.00	60	54	80	02	0	0	0	29.88	0.00	66	58	78	01	0	0
JUN 10										JUN 11										JUN 12																																																																																																																																																																																																											
01	0	29.89	0.00	63	60	88	19	0	1	0	30.02	0.00	52	50	94	05	0	0	0	30.02	0.00	54	50	85	14	0	9	04	0	29.85	0.00	61	58	90	19	0	0	0	30.04	0.00	49	48	97	07	0	0	0	29.98	0.09	54	52	93	15	1	9	07	109	29.90	0.00	63	60	90	19	0	2	37	30.07	0.00	52	52	98	11	0	0	44	29.98	0.00	55	53	94	18	0	8	10	69	29.93	0.00	61	56	86	29	0	1	571	30.07	0.00	69	49	49	16	2	13	158	29.98	0.00	58	56	93	11	0	10	13	369	29.93	0.00	67	61	83	03	0	5	424	30.07	0.00	71	53	54	20	2	14	100	29.97	0.00	58	56	93	19	3	11	16	752	29.95	0.00	71	63	74	30	0	4	213	30.06	0.00	61	57	87	25	1	6	125	29.94	0.59	59	57	95	20	2	9	19	171	29.96	0.00	69	57	65	03	2	9	25	30.05	0.00	56	54	93	19	1	5	23	29.92	0.17	58	57	96	19	2	9	22	0	30.02	0.00	57	54	90	04	0	0	0	30.03	0.00	53	51	93	14	0	0	0	29.90	0.05	59	58	97	21	0	7
JUN 13										JUN 14										JUN 15																																																																																																																																																																																																											
01	0	29.88	0.00	60	59	97	21	1	5	0	29.70	0.00	59	58	97	19	1	4	0	29.95	0.00	55	53	93	32	2	16	04	0	29.84	0.07	60	59	96	21	1	7	0	29.70	0.00	59	59	98	19	1	7	0	29.98	0.00	54	51	92	02	0	2	07	60	29.83	0.00	62	60	92	13	1	14	37	29.79	0.12	56	55	97	33	0	0	49	30.05	0.00	54	51	90	29	0	0	10	120	29.81	0.00	64	60	89	15	0	8	406	29.81	0.00	61	56	86	31	3	10	241	30.06	0.00	58	53	84	29	2	7	13	139	29.77	0.06	63	61	94	16	0	0	009	29.82	0.00	66	55	68	28	4	13	438	30.05	0.00	65	55	71	31	2	10	16	290	29.72	0.00	64	61	92	15	1	5	171	29.84	0.00	64	52	67	31	2	15	694	30.05	0.00	69	54	59	30	1	6	19	84	29.70	0.00	64	60	88	14	0	7	69	29.89	0.00	59	53	80	28	1	8	91	30.05	0.00	66	54	67	31	0	2	22	0	29.71	0.00	61	59	96	16	0	0	0	29.92	0.04	56	54	93	22	0	0	0	30.06	0.00	54	51	90	30	0	0
JUN 16										JUN 17										JUN 18																																																																																																																																																																																																											
01	0	30.05	0.00	51	50	96	30	0	0	0	29.94	0.00	61	54	77	22	0	0	0	29.57	0.00	67	65	94	21	2	18	04	0	30.08	0.00	48	47	97	30	0	0	0	29.92	0.00	57	53	86	22	0	4	0	29.57	0.43	65	64	96	25	1	12	07	37	30.11	0.00	52	51	98	32	0	0	51	29.97	0.00	63	58	82	21	0	0	16	29.72	0.08	61	60	98	30	4	13	10	721	30.10	0.00	68	58	69	03	0	4	694	29.97	0.00	75	61	62	20	0	2	125	29.77	0.10	61	61	98	29	3	10	13	963	30.06	0.00	75	51	42	13	0	2	904	29.92	0.00	80	61	53	15	0	7	211	29.84	0.00	69	65	87	29	0	9	16	262	30.01	0.00	75	61	62	29	0	0	473	29.87	0.00	82	64	53	25	0	0	541	29.81	0.00	74	63	69	28	4	12	19	123	29.95	0.00	68	61	78	34	0	0	39	29.76	0.00	78	64	62	16	0	1	107	29.83	0.00	70	62	77	31	0	8	22	0	29.97	0.00	62	58	86	34	0	0	0	29.68	0.00	70	62	74	11	0	1	0	29.89	0.00	65	57	78	29	0	4

MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.18	0.24	0.28	0.30	0.34	0.36	0.37	0.43	0.48	0.51	0.59	0.70
Ended: Date	03	03	03	03	03	03	03	25	25	25	25	25
Ended: Time	1736	1740	1741	1740	1750	1804	1814	0732	0754	0810	0841	0916

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 2014: 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
01	0	29.90	0.00	61	56	84	29	0	0	0	29.94	0.00	55	50	82	33	0	0	0	29.93	0.00	44	43	95	00	0	0
04	0	29.90	0.00	61	56	84	29	0	0	0	29.94	0.00	52	46	78	03	0	4	0	29.93	0.00	43	42	97	00	0	0
07	0	29.95	0.00	61	56	84	29	0	0	33	29.96	0.00	51	44	77	35	0	5	56	29.93	0.00	48	47	97	28	0	0
10	710	29.97	0.00	67	54	62	30	0	3	793	29.97	0.00	60	45	57	02	0	15	840	29.94	0.00	62	50	64	28	0	3
13	909	29.98	0.00	69	54	58	31	1	6	216	29.96	0.00	62	47	57	29	1	6	932	29.90	0.00	65	46	50	28	3	11
16	694	29.96	0.00	71	51	49	03	0	11	264	29.94	0.00	65	47	53	00	1	7	798	29.89	0.00	69	50	51	31	1	11
19	77	29.93	0.00	68	51	54	30	3	10	86	29.93	0.00	63	46	53	28	0	1	58	29.88	0.00	66	49	54	02	0	0
22	0	29.94	0.00	54	49	84	29	0	0	0	29.94	0.00	47	45	91	00	0	0	0	29.89	0.00	53	48	84	31	0	0
JUN 22									JUN 23									JUN 24									
01	0	29.90	0.00	48	46	92	31	0	0	0	29.98	0.00	49	48	95	36	0	0	0	29.97	0.00	67	56	67	21	3	13
04	0	29.90	0.00	48	46	95	31	0	0	0	30.00	0.00	48	47	97	36	0	0	0	29.96	0.00	68	59	73	21	3	10
07	56	29.93	0.00	50	50	98	35	0	0	33	30.04	0.00	51	51	98	27	0	0	97	29.96	0.00	67	58	74	20	2	17
10	693	29.94	0.00	67	54	63	27	0	6	694	30.05	0.00	72	54	54	26	0	4	113	29.94	0.00	68	59	75	21	3	15
13	900	29.93	0.00	72	56	58	30	0	7	879	30.02	0.00	77	55	46	21	0	7	230	29.91	0.05	65	62	91	22	4	12
16	696	29.93	0.00	74	55	51	29	1	4	671	30.00	0.00	79	53	40	21	6	13	279	29.85	0.00	71	64	78	22	3	15
19	104	29.94	0.00	71	53	52	32	0	1	95	29.97	0.00	75	55	51	16	0	4	25	29.81	0.00	70	62	77	21	5	15
22	0	29.96	0.00	53	50	89	36	0	0	0	29.98	0.00	65	54	66	19	0	0	0	29.80	0.00	70	63	79	21	3	13
JUN 25									JUN 26									JUN 27									
01	0	29.78	0.00	67	64	91	23	2	13	0	29.78	0.00	65	64	98	01	0	0	0	29.98	0.00	54	53	97	03	0	0
04	0	29.79	0.07	65	64	97	20	3	11	0	29.77	0.00	63	63	98	01	0	1	0	30.00	0.00	53	52	98	03	0	0
07	12	29.80	0.06	65	64	97	21	0	7	47	29.80	0.00	62	62	99	06	0	8	40	30.06	0.00	56	56	99	26	0	0
10	218	29.84	0.00	66	65	98	20	2	9	81	29.85	0.00	65	63	94	01	0	4	689	30.09	0.00	73	63	71	05	0	0
13	79	29.84	0.16	67	66	97	19	0	0	171	29.85	0.00	72	67	82	31	2	10	979	30.09	0.00	78	62	59	26	0	6
16	127	29.84	0.05	67	66	97	04	0	0	179	29.86	0.00	74	61	65	02	4	11	751	30.07	0.00	82	62	51	31	0	9
19	21	29.82	0.00	67	66	98	04	0	5	167	29.89	0.00	72	62	71	04	0	1	62	30.08	0.00	77	59	54	31	0	0
22	0	29.82	0.00	65	65	98	01	0	0	0	29.94	0.00	57	56	96	03	0	0	0	30.12	0.00	58	53	83	12	0	0
JUN 28									JUN 29									JUN 30									
01	0	30.12	0.00	55	53	93	12	0	0	0	30.14	0.00	60	54	80	12	0	0	0	29.94	0.00	70	61	73	18	1	7
04	0	30.15	0.00	52	51	96	12	0	0	0	30.14	0.00	58	54	85	20	0	0	0	29.90	0.00	67	62	83	22	0	6
07	40	30.20	0.00	55	55	98	11	0	0	77	30.14	0.00	64	57	78	21	1	7	77	29.92	0.00	69	63	81	21	1	9
10	705	30.22	0.00	74	61	64	25	0	4	631	30.12	0.00	76	64	66	20	3	9	362	29.91	0.00	74	66	75	21	4	13
13	805	30.18	0.00	80	61	52	14	0	1	830	30.06	0.00	83	67	60	22	3	9	867	32.03	0.00	79	69	70	25	2	12
16	566	30.16	0.00	83	56	40	19	0	1	652	30.01	0.00	84	63	48	22	1	10	737	29.82	0.00	82	71	69	17	0	6
19	105	30.14	0.00	75	65	71	05	0	0	86	29.96	0.00	80	61	51	21	1	7	98	29.78	0.00	81	71	72	20	1	7
22	0	30.14	0.00	61	57	87	06	0	0	0	29.96	0.00	71	59	68	21	1	6	0	29.79	0.00	73	68	84	21	0	6

WEATHER NOTES

NOTES:
 Units are: 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 0.01" 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
01	0	29.909	58	54	88	0.4	23	0.3
04	0	29.906	56	53	91	0.4	21	0.4
07	50	29.938	58	55	91	0.6	23	0.4
10	486	29.946	67	57	73	1.1	23	0.8
13	638	29.998	72	59	66	1.1	25	0.8
16	488	29.898	74	58	61	1.2	25	0.6
19	80	29.887	69	58	68	0.8	23	0.4
22	0	29.901	61	55	84	0.2	21	0.2

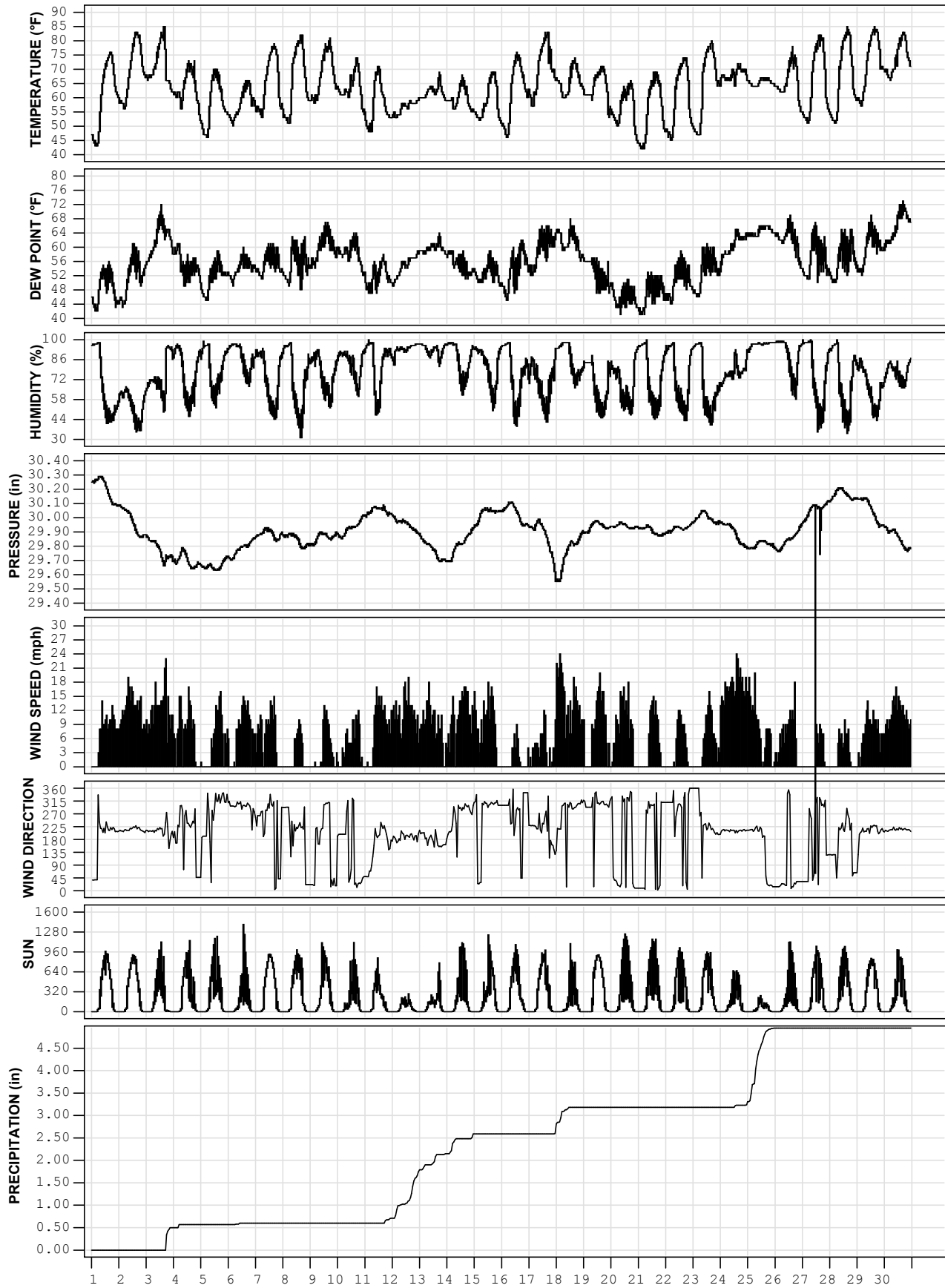
HOURLY PRECIPITATION (Water Equivalent) June 2014: Westford

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																		0.34	0.08	0.04	0.04				03	
04					0.07																				04	
05																									05	
06																									06	
07							0.01				0.02														07	
08																									08	
09																									09	
10																									10	
11																									11	
12																		0.06	0.01		0.01	0.02	0.01	0.02	12	
13				0.06	0.13	0.09		0.01	0.01	0.01			0.02	0.01	0.04	0.02	0.06	0.09	0.16	0.12	0.06	0.02	0.04	0.08	0.05	13
14				0.02	0.05	0.04							0.02	0.02	0.03	0.11	0.05						0.01	0.01		14
15				0.04	0.02	0.17	0.03	0.05	0.02														0.03	0.08		15
16																										16
17																										17
18	0.04			0.01	0.09	0.14		0.01	0.03			0.02	0.03											0.01	0.21	18
19																										19
20																										20
21																										21
22																										22
23																										23
24																										24
25		0.02	0.16	0.20	0.01	0.01	0.33	0.17	0.15	0.08	0.06	0.09	0.04	0.01	0.06	0.06	0.02	0.02	0.02			0.01		0.01	0.07	25
26																										26
27																										27
28																										28
29																										29
30																										30
Sum	0.04	0.02	0.29	0.49	0.52	0.04	0.41	0.23	0.16	0.12	0.11	0.13	0.14	0.26	0.13	0.12	0.11	0.58	0.23	0.10	0.08	0.10	0.21	0.33	Sum	

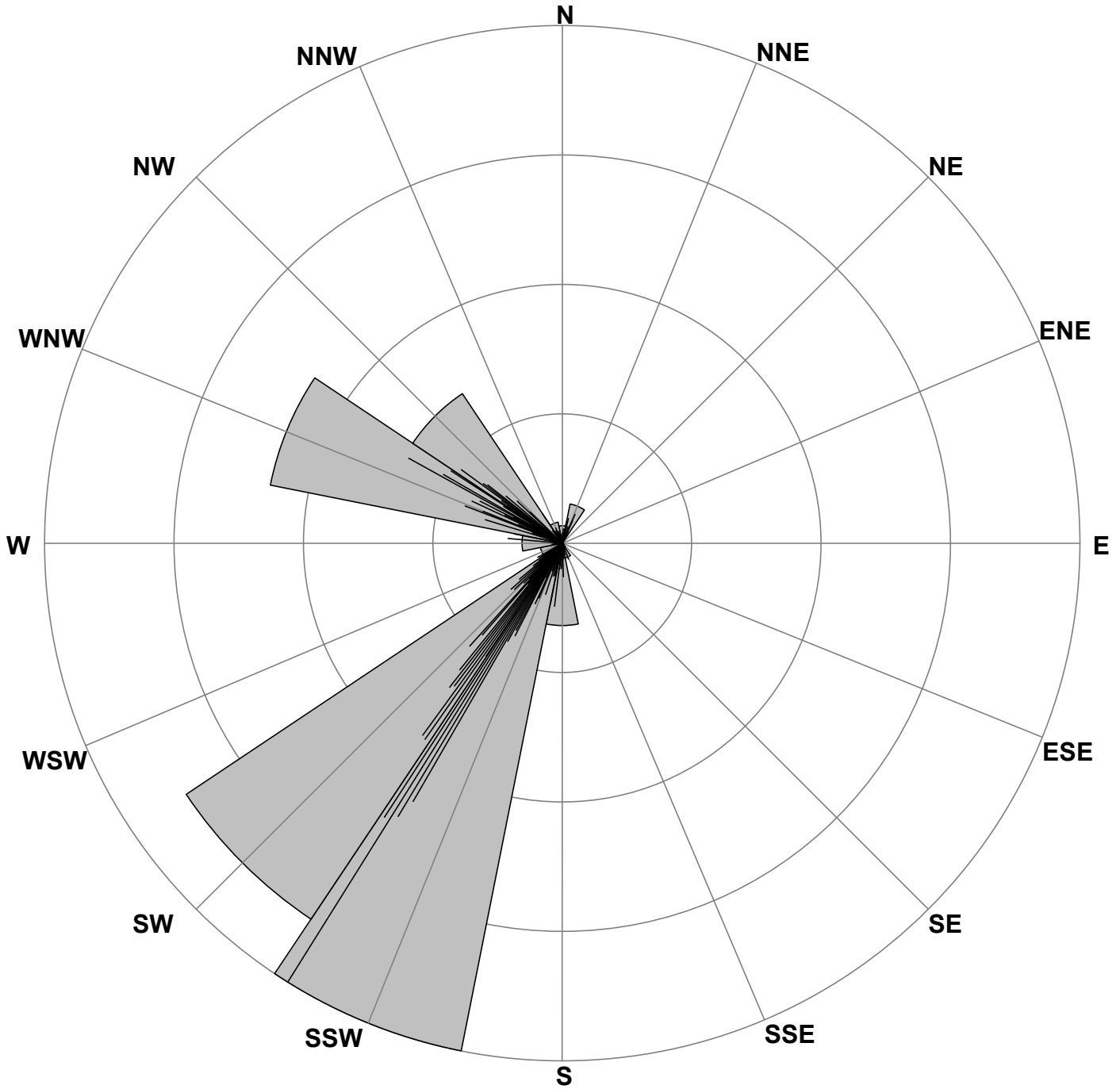
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

HOUR-BY-HOUR DATA

June 2014: Westford



**Wind Rose: June 2014
Westford**



**Maximum direction of wind: 40.1 miles from 212°
Maximum sector of wind: 169.5 miles from SSW
553.0 total miles of wind**