

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### May 2012

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	Res	Res	Peak			Minute	
																				Speed	Speed		Dir	Speed
1	2	3	4A	4B	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	52.2	42.8	47.5	47.0	40	79	17	0	.2	0	0.39	0.0	30.08	29.94	29.994	1.8	1.8	192	15	SW	9	203	56	
2	61.9	43.6	52.8	51.1	45	80	12	0	.....	0	0.01	0.0	30.13	30.01	30.066	1.2	0.8	171	14	S	7	197	135	
3	63.8	48.0	55.9	54.4	48	80	9	0	.....	0	0.04	0.0	30.07	29.92	30.010	3.3	3.2	202	18	S	10	205	158	
4	62.7	53.5	58.1	57.1	55	93	6	0	.....	0	0.40	0.0	29.94	29.82	29.852	2.6	2.5	205	18	S	10	197	60	
5	59.0	41.6	50.3	49.1	41	74	14	0	.....	0	0.00	0.0	30.10	29.89	30.034	1.4	1.3	356	18	NE	8	312	250	
6	63.2	34.1*	48.6	49.0	33	57	16	0	.....	0	0.00	0.0	30.13	30.06	30.091	1.1	1.0	330	17	NW	12	307	276	
7	71.3	35.0	53.2	55.5	32	43	12	0	.....	0	0.00	0.0	30.12	29.90	30.029	0.6	0.3	311	12	W	8	275	296	
8	60.1	49.5	54.8	53.2	49	87	10	0	.....	0	1.40	0.0	29.91	29.72	29.783	4.3	4.3	205	30	SSE	15	211	39	
9	67.6	52.4	60.0	59.3	55	86	5	0	.2	0	0.16	0.0	29.73	29.52	29.623	0.8	0.7	215	15	S	7	209	138	
10	52.5	43.0	47.8*	47.9	44	87	17	0	.....	0	0.45	0.0	29.63	29.43	29.496	1.3	1.2	298	17	W	10	286	51	
11	61.5	41.5	51.5	50.6	35	59	13	0	.....	0	0.13	0.0	29.99	29.63	29.824	3.6	3.5	310	24	W	12	294	296	
12	74.6	39.2	56.9	59.4	38	46	8	0	.....	0	0.00	0.0	30.08	29.99	30.033	1.1	0.9	269	17	N	10	293	261	
13	64.6	50.0	57.3	58.7	50	75	7	0	.....	0	T	0.0	30.10	30.03	30.075	0.3	0.1	306	12	WSW	5	262	94	
14	73.5	48.0	60.8	59.8	52	78	4	0	.....	0	0.00	0.0	30.10	29.99	30.044	2.4	2.3	212	19	SW	11	206	207	
15	62.2	55.2	58.7	59.5	57	92	6	0	.....	0	0.72	0.0	30.02	29.87	29.959	1.5	1.5	204	17	S	8	213	60	
16	75.6	53.5	64.5	61.4	57	85	0	0	..3	0	0.50	0.0	29.87	29.67	29.783	2.7	2.3	226	23	S	12	271	209	
17	61.8	40.3	51.0	51.1	38	62	14	0	.....	0	0.00	0.0	30.14	29.85	30.034	2.7	2.6	302	20	WNW	11	305	282	
18	71.7	36.5	54.1	55.3	40	60	10	0	.....	0	0.00	0.0	30.22	30.09	30.154	0.9	0.9	226	14	SSW	7	284	307	
19	80.9	43.9	62.4	62.5	47	60	2	0	.....	0	0.00	0.0	30.17	30.07	30.117	0.2	0.2	277	9	W	5	294	298	
20	86.4*	51.7	69.1	69.6	53	60	0	4	.....	0	0.00	0.0	30.20	30.11	30.151	0.4	0.4	242	12	WSW	5	268	301	
21	80.2	57.0	68.6	69.2	53	59	0	4	.....	0	T	0.0	30.15	29.95	30.072	1.2	1.1	206	16	S	9	207	262	
22	71.6	60.2	65.9	65.9	61	85	0	1	.....	0	0.10	0.0	29.95	29.78	29.854	1.0	0.9	230	13	SW	7	296	152	
23	72.0	55.3	63.6	60.9	58	90	1	0	.2	0	0.04	0.0	30.00	29.81	29.918	0.3	0.3	319	11	NW	6	310	163	
24	79.7	53.6	66.6	67.6	61	81	0	2	.....	0	0.00	0.0	30.10	30.00	30.061	2.0	2.0	217	18	SSE	10	212	267	
25	75.6	61.9	68.8	69.6	63	79	0	4	.....	0	0.00	0.0	30.09	29.90	30.014	5.2	5.2	212	26	SW	14	221	218	
26	78.6	55.3	66.9	69.0	57	67	0	2	.....	0	0.00	0.0	30.11	29.94	30.043	1.0	0.6	269	17	SW	10	221	288	
27	73.9	49.5	61.7	61.0	49	65	3	0	.....	0	0.00	0.0	30.17	29.99	30.095	0.2	0.2	301	10	W	5	301	250	
28	79.8	49.5	64.7	64.8	55	72	0	0	.....	0	0.01	0.0	30.00	29.77	29.896	0.1	0.0	315	8	SSW	4	302	222	
29	86.4	62.6	74.5*	69.2	65	87	0	10	..3	0	2.33	0.0	29.77	29.55	29.647	1.7	1.6	217	40	WSW	18	203	172	
30	77.6	57.6	67.6	67.0	56	70	0	3	.....	0	0.02	0.0	29.68	29.59	29.642	0.9	0.7	255	15	SSE	7	217	278	
31	68.3	47.7	58.0	58.8	49	72	7	0	.....	0	0.00	0.0	29.97	29.68	29.804	0.8	0.7	312	16	NW	9	306	223	
<b>Sum</b>	<b>Sum</b>	-----	-----	---	----		<b>Ttl</b>	<b>Ttl</b>	<b>Number of Days</b>		<b>For the month:</b>											---		
2171	1514						193	30			6.70	0.0	30.22	29.43	29.942	1.6	1.0	234	40	WSW	18	203		
<b>Avg</b>	<b>Avg</b>	<b>Avg</b>	<b>Mean</b>	<b>Avg</b>	<b>Avg</b>	----	----	<b>Precip</b>		<b>Season Ttl</b>		<b>Date</b>	<b>Date</b>	-----	----	----	---	<b>Date</b>	<b>Date</b>	<b>Avg</b>				
70.0	48.8	59.4	59.2	49	73.2	----	----	≥.01 inch	15	16.72	67.1	18	10	-----	----	----	---	29	29	202				
<b>Number of Days</b>							<b>Season to Date</b>	<b>Snow, Ice ≥1.0 inch</b>	0	<b>Greatest in 24 Hours and Dates</b>					<b>Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date</b>									
<b>Max Temperature</b>			<b>Min Temperature</b>			6404	42	<b>Thunder</b>	2	<b>Precipitation</b>			<b>Snow, Ice Plts</b>											
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	----	----	<b>Heavy Fog</b>	3	2.35	29-30	0.0	-	0										
0	0	0	0	----	----	----	----	<b>Clear</b>	5	<b>Partly Cloudy</b>		15	<b>Cloudy</b>		11									

**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/m^2 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

## May 2012: Westford

Hour	MAY 01									MAY 02									MAY 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
01	0	30.06	0.00	50	34	53	15	0	1	0	30.06	0.00	45	43	90	18	0	0	0	30.00	0.00	49	46	88	19	5	10
04	0	30.01	0.00	46	37	71	20	2	8	0	30.06	0.00	44	42	93	18	0	0	0	30.00	0.00	48	45	88	18	2	9
07	23	29.96	0.07	43	40	88	16	4	11	35	30.10	0.00	44	43	95	11	0	3	42	30.02	0.00	50	45	85	17	2	8
10	91	29.96	0.00	44	41	89	19	3	7	206	30.11	0.00	49	45	86	07	1	8	243	30.07	0.00	53	47	81	19	4	12
13	171	29.97	0.00	48	43	83	18	2	8	466	30.10	0.00	56	47	72	02	1	3	684	30.04	0.00	60	50	72	21	4	12
16	76	29.99	0.00	49	43	79	20	0	7	309	30.04	0.00	61	48	61	17	1	7	218	30.02	0.00	61	51	70	22	2	8
19	9	30.00	0.00	48	43	81	21	0	1	60	30.04	0.00	56	46	68	20	2	7	19	30.00	0.00	58	51	75	23	3	7
22	0	30.03	0.00	46	43	87	18	0	0	0	30.02	0.00	52	45	78	18	2	9	0	29.98	0.00	55	50	82	19	0	6
MAY 04									MAY 05									MAY 06									
01	0	29.93	0.07	54	51	89	19	2	7	0	29.92	0.00	50	48	95	33	4	10	0	30.09	0.00	41	34	76	07	0	0
04	0	29.84	0.00	55	53	94	19	4	9	0	29.97	0.00	45	42	91	32	1	8	0	30.08	0.00	37	31	80	19	0	0
07	21	29.83	0.00	54	52	95	21	7	14	58	30.02	0.00	43	40	90	00	1	9	102	30.09	0.00	37	32	81	19	0	0
10	26	29.84	0.00	55	54	94	20	4	12	327	30.08	0.00	45	39	79	36	0	9	371	30.13	0.00	52	36	54	31	2	6
13	158	29.83	0.00	58	57	96	21	0	5	761	30.07	0.00	55	43	64	04	3	12	868	30.10	0.00	61	41	49	30	6	12
16	113	29.83	0.00	62	60	91	23	0	0	564	30.05	0.00	58	42	57	35	0	13	645	30.08	0.00	63	32	31	32	6	13
19	88	29.86	0.00	61	59	92	30	0	0	100	30.05	0.00	56	38	51	03	0	8	105	30.08	0.00	60	30	32	02	0	7
22	0	29.88	0.00	57	56	95	04	0	0	0	30.09	0.00	45	35	69	04	0	2	0	30.09	0.00	45	28	51	01	0	0
MAY 07									MAY 08									MAY 09									
01	0	30.08	0.00	41	27	57	01	0	0	0	29.90	0.00	60	47	62	20	6	17	0	29.71	0.00	55	54	96	20	2	9
04	0	30.08	0.00	38	28	65	05	0	0	0	29.84	0.00	56	50	80	22	2	11	0	29.69	0.00	55	54	96	22	0	9
07	47	30.10	0.00	38	28	67	05	0	0	26	29.82	0.00	53	48	82	20	9	29	32	29.67	0.00	56	55	96	22	0	6
10	671	30.11	0.00	61	33	35	03	0	1	134	29.78	0.07	50	47	92	20	7	23	497	29.67	0.00	60	57	90	20	0	6
13	882	30.05	0.00	67	25	20	08	0	9	95	29.75	0.21	51	48	91	20	8	22	566	29.63	0.00	65	55	69	28	0	5
16	582	30.00	0.00	71	35	27	30	1	6	70	29.74	0.15	51	50	94	20	3	11	279	29.57	0.00	67	54	62	20	0	4
19	67	29.95	0.00	66	38	36	20	0	1	11	29.72	0.00	53	51	95	20	0	9	18	29.54	0.08	59	56	89	20	0	1
22	0	29.90	0.00	58	36	43	14	0	0	0	29.74	0.00	54	52	96	19	3	7	0	29.55	0.00	56	54	94	19	2	6
MAY 10									MAY 11									MAY 12									
01	0	29.51	0.00	52	49	89	23	0	0	0	29.65	0.04	43	40	91	24	0	9	0	29.99	0.00	47	29	51	29	0	1
04	0	29.48	0.00	51	46	84	24	0	0	0	29.71	0.00	43	39	85	30	4	13	0	30.01	0.00	43	29	59	22	0	0
07	21	29.45	0.00	50	48	94	24	0	0	62	29.79	0.00	43	37	82	31	0	0	42	30.06	0.00	45	32	61	21	3	7
10	47	29.43	0.00	47	45	93	31	1	6	629	29.82	0.00	52	42	68	28	7	12	684	30.07	0.00	61	35	38	24	1	9
13	116	29.45	0.00	46	42	87	33	0	8	884	29.84	0.00	59	34	39	34	6	14	867	30.03	0.00	71	38	30	30	5	10
16	135	29.48	0.00	49	41	73	30	3	10	649	29.86	0.00	61	37	40	31	5	17	178	30.01	0.00	72	44	37	32	0	8
19	12	29.54	0.00	45	41	84	29	0	5	100	29.91	0.00	60	30	32	34	0	8	49	30.02	0.00	73	46	39	30	0	1
22	0	29.60	0.07	44	41	92	26	1	7	0	29.97	0.00	48	28	46	29	0	3	0	30.05	0.00	62	41	45	23	1	5
MAY 13									MAY 14									MAY 15									
01	0	30.04	0.00	64	43	47	25	2	12	0	30.07	0.00	50	48	92	31	0	0	0	30.02	0.00	60	54	82	19	3	12
04	0	30.04	0.00	57	47	70	22	0	4	0	30.06	0.00	48	47	94	31	0	0	0	30.00	0.04	58	55	90	19	0	7
07	49	30.08	0.00	56	51	83	20	0	0	58	30.08	0.00	52	50	95	31	0	0	109	30.00	0.00	58	57	95	21	0	3
10	244	30.09	0.00	61	54	76	00	0	4	468	30.09	0.00	61	51	68	21	6	8	139	29.99	0.00	61	59	94	17	0	5
13	322	30.09	0.00	62	54	76	04	1	8	833	30.05	0.00	67	57	69	20	4	10	102	29.97	0.11	61	59	94	19	2	8
16	74	30.08	0.00	60	53	76	02	0	1	612	30.00	0.00	73	55	53	20	4	13	102	29.93	0.09	60	59	95	21	6	12
19	74	30.08	0.00	59	51	75	31	0	0	77	29.99	0.00	66	54	67	19	1	8	49	29.91	0.00	60	58	93	21	1	6
22	0	30.09	0.00	53	49	85	31	0	0	0	30.02	0.00	62	55	78	21	6	13	0	29.90	0.00	58	56	93	20	1	5
MAY 16									MAY 17									MAY 18									
01	0	29.86	0.00	56	55	95	20	0	0	0	29.88	0.00	52	43	74	27	5	13	0	30.15	0.00	40	36	86	33	0	2
04	0	29.82	0.00	56	55	95	20	3	8	0	29.94	0.00	46	39	77	28	5	10	0	30.16	0.00	39	35	87	33	0	0
07	88	29.83	0.00	58	57	95	20	2	8	54	30.02	0.00	43	35	73	31	5	11	46	30.20	0.00	42	39	89	25	0	3
10	645	29.79	0.00	66	60	81	20	7	14	684	30.06	0.00	52	36	54	29	7	11	677	30.21	0.00	60	42	52	17	2	10
13	853	29.73	0.00	72	61	69	22	8	16	940	30.06	0.00	57	36	45	29	6	10	874	30.18	0.00	66	37	35	25	0	10
16	40	29.70	0.00	61	58	88	19	0	2	654	30.05	0.00	60	38	44	31	3	13	650	30.13	0.00	70	41	35	29	0	10
19	93	29.73	0.00	63	59	86	03	0	0	111	30.08	0.00	58	36	44	29	2	9	146	30.09	0.00	71	43	36	25	0	1
22	0	29.77	0.00	57	55	91	20	0	4	0	30.12	0.00	44	37	76	33	0	0	0	30.11	0.00	55	43	65	25	0	0

## MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.49	0.90	1.07	1.28	1.86	2.11	2.13	2.14	2.14	2.14	2.14	2.14
Ended: Date	29	29	29	29	29	29	29	29	29	29	29	29
Ended: Time	1539	1541	1543	1549	1600	1609	1613	1613	1613	1613	1613	1613

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

## May 2012: 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						
MAY 19									MAY 20									MAY 21									
01	0	30.13	0.00	47	41	77	25	0	0	0	30.13	0.00	55	47	75	35	0	0	0	30.14	0.00	62	53	72	19	0	1
04	0	30.13	0.00	46	40	80	25	0	0	0	30.14	0.00	52	47	83	35	0	0	0	30.15	0.00	60	52	76	19	0	0
07	49	30.16	0.00	48	43	84	25	0	0	53	30.17	0.00	55	50	82	35	0	0	60	30.15	0.00	61	51	69	22	0	5
10	671	30.13	0.00	67	47	48	22	0	4	664	30.20	0.00	75	54	47	21	0	1	673	30.13	0.00	74	46	37	20	1	14
13	856	30.12	0.00	75	51	44	31	1	8	863	30.18	0.00	83	53	36	23	2	8	756	30.08	0.00	80	46	31	21	5	15
16	631	30.08	0.00	79	52	39	28	1	8	642	30.13	0.00	86	59	40	20	2	7	404	30.02	0.00	78	54	43	28	1	5
19	132	30.07	0.00	78	55	45	35	0	0	123	30.12	0.00	83	57	42	21	0	1	104	29.99	0.00	73	59	62	21	3	9
22	0	30.11	0.00	58	49	72	35	0	0	0	30.14	0.00	70	54	57	17	1	5	0	29.97	0.00	65	59	79	22	0	3
MAY 22									MAY 23									MAY 24									
01	0	29.94	0.00	62	59	89	22	0	3	0	29.81	0.00	61	59	95	31	0	1	0	30.01	0.00	55	53	95	05	0	0
04	0	29.90	0.00	62	60	93	20	0	0	0	29.83	0.00	56	55	96	31	0	3	0	30.03	0.00	55	54	96	05	0	0
07	69	29.90	0.00	62	61	96	20	0	0	62	29.89	0.00	56	55	96	34	0	0	49	30.06	0.00	59	58	97	20	3	6
10	339	29.89	0.00	68	62	80	21	3	13	183	29.93	0.00	58	57	97	28	3	5	664	30.10	0.00	73	66	78	23	3	7
13	420	29.85	0.00	71	63	76	29	2	7	209	29.97	0.00	60	58	93	00	0	3	921	30.08	0.00	76	68	74	26	1	12
16	288	29.80	0.00	70	63	78	19	0	7	285	29.96	0.00	71	62	73	29	1	6	278	30.06	0.00	76	67	73	18	0	7
19	76	29.78	0.00	70	64	80	27	0	0	153	29.95	0.00	70	62	74	05	0	1	153	30.05	0.00	76	62	63	21	3	13
22	0	29.80	0.00	63	61	92	06	0	2	0	29.98	0.00	58	56	93	05	0	0	0	30.07	0.00	67	60	78	20	0	7
MAY 25									MAY 26									MAY 27									
01	0	30.09	0.00	65	60	85	22	0	5	0	29.95	0.00	69	64	84	21	3	14	0	30.11	0.00	54	47	78	04	0	0
04	0	30.08	0.00	64	61	88	21	0	6	0	29.98	0.00	66	63	91	24	0	1	0	30.11	0.00	50	45	83	04	0	0
07	76	30.09	0.00	65	60	84	21	2	9	100	30.05	0.00	63	58	83	27	0	0	67	30.16	0.00	53	48	84	20	0	0
10	663	30.05	0.00	71	63	76	20	7	22	661	30.07	0.00	72	59	64	34	0	3	828	30.15	0.00	65	53	65	27	2	5
13	316	30.01	0.00	72	64	75	20	7	15	835	30.07	0.00	76	55	48	03	1	8	541	30.12	0.00	71	48	45	29	0	3
16	283	29.99	0.00	74	65	73	21	4	16	606	30.06	0.00	78	54	44	31	1	12	661	30.07	0.00	73	52	47	02	0	6
19	148	29.92	0.00	74	65	74	21	5	26	141	30.05	0.00	73	53	51	02	0	5	11	30.05	0.00	63	47	55	02	0	1
22	0	29.92	0.00	71	63	77	21	7	19	0	30.10	0.00	62	50	66	03	0	1	0	30.00	0.00	59	48	66	02	0	1
MAY 28									MAY 29									MAY 30									
01	0	29.99	0.00	56	49	77	02	0	0	0	29.74	0.00	63	59	88	28	0	0	0	29.60	0.00	64	63	94	21	4	15
04	0	29.96	0.00	52	47	83	02	0	0	0	29.68	0.00	67	63	88	21	1	5	0	29.64	0.00	62	58	87	21	0	0
07	74	29.97	0.00	56	50	81	02	0	0	33	29.67	0.00	66	65	94	22	3	7	102	29.66	0.00	60	56	87	24	0	0
10	309	29.96	0.00	68	54	62	00	0	1	487	29.66	0.00	72	70	93	20	3	9	680	29.67	0.00	70	54	58	27	0	1
13	482	29.91	0.00	72	59	62	21	0	0	816	29.64	0.00	83	72	70	22	3	18	877	29.64	0.00	76	58	55	23	1	9
16	606	29.84	0.00	78	60	54	02	0	7	5	29.64	8.60	67	64	90	19	14	40	308	29.61	0.00	75	54	47	29	1	10
19	32	29.81	0.00	73	62	67	28	0	0	19	29.62	0.07	67	63	89	23	0	7	234	29.63	0.00	73	57	57	05	0	4
22	0	29.79	0.00	64	59	83	28	0	0	0	29.61	0.00	64	62	93	20	0	6	0	29.67	0.00	59	52	78	03	0	0
MAY 31																											
01	0	29.69	0.00	61	51	72	28	1	8																		
04	0	29.70	0.00	53	48	84	30	0	0																		
07	51	29.75	0.00	55	51	88	08	0	0																		
10	237	29.77	0.00	66	55	66	30	2	7																		
13	1007	29.81	0.00	67	54	63	33	0	11																		
16	241	29.84	0.00	64	49	58	31	1	10																		
19	74	29.89	0.00	62	46	56	30	0	5																		
22	0	29.94	0.00	48	43	81	35	0	0																		

### 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

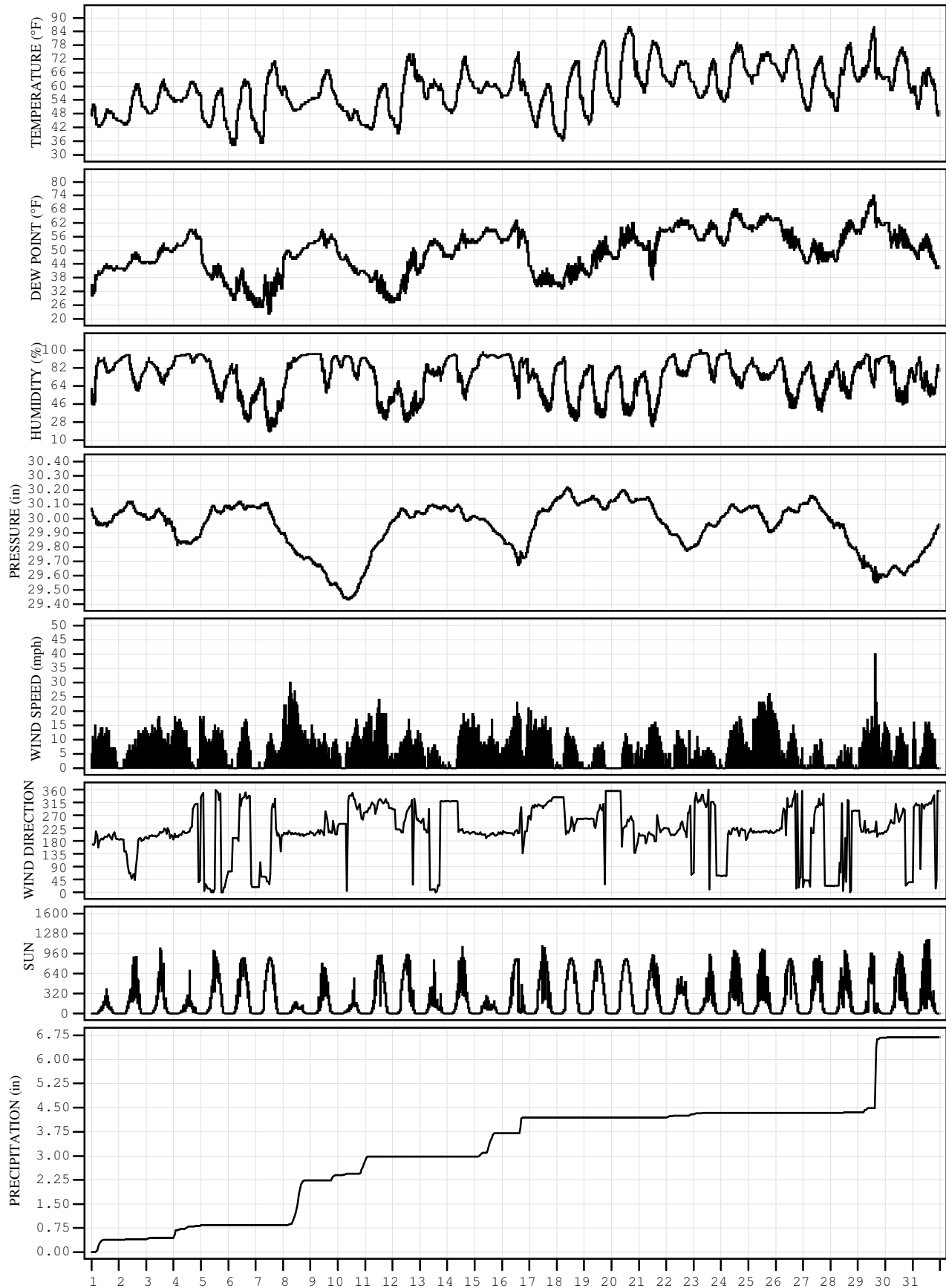
Hour	Averages						Resultant Wind	
	Sunshine	Pressure	Temperature	Dew Point	Humidity	Wind Speed	Direction	Speed
01	0	29.944	54	48	80	1.2	23	0.9
04	0	29.940	52	47	85	0.8	24	0.5
07	57	29.961	52	48	86	1.3	21	1.0
10	447	29.968	61	50	71	2.5	23	1.8
13	624	29.949	66	51	62	2.6	25	1.4
16	361	29.925	67	51	60	2.0	24	1.2
19	83	29.920	65	51	64	0.7	22	0.5
22	0	29.936	57	49	77	0.8	21	0.7

## HOURLY PRECIPITATION (Water Equivalent) May 2012: Westford

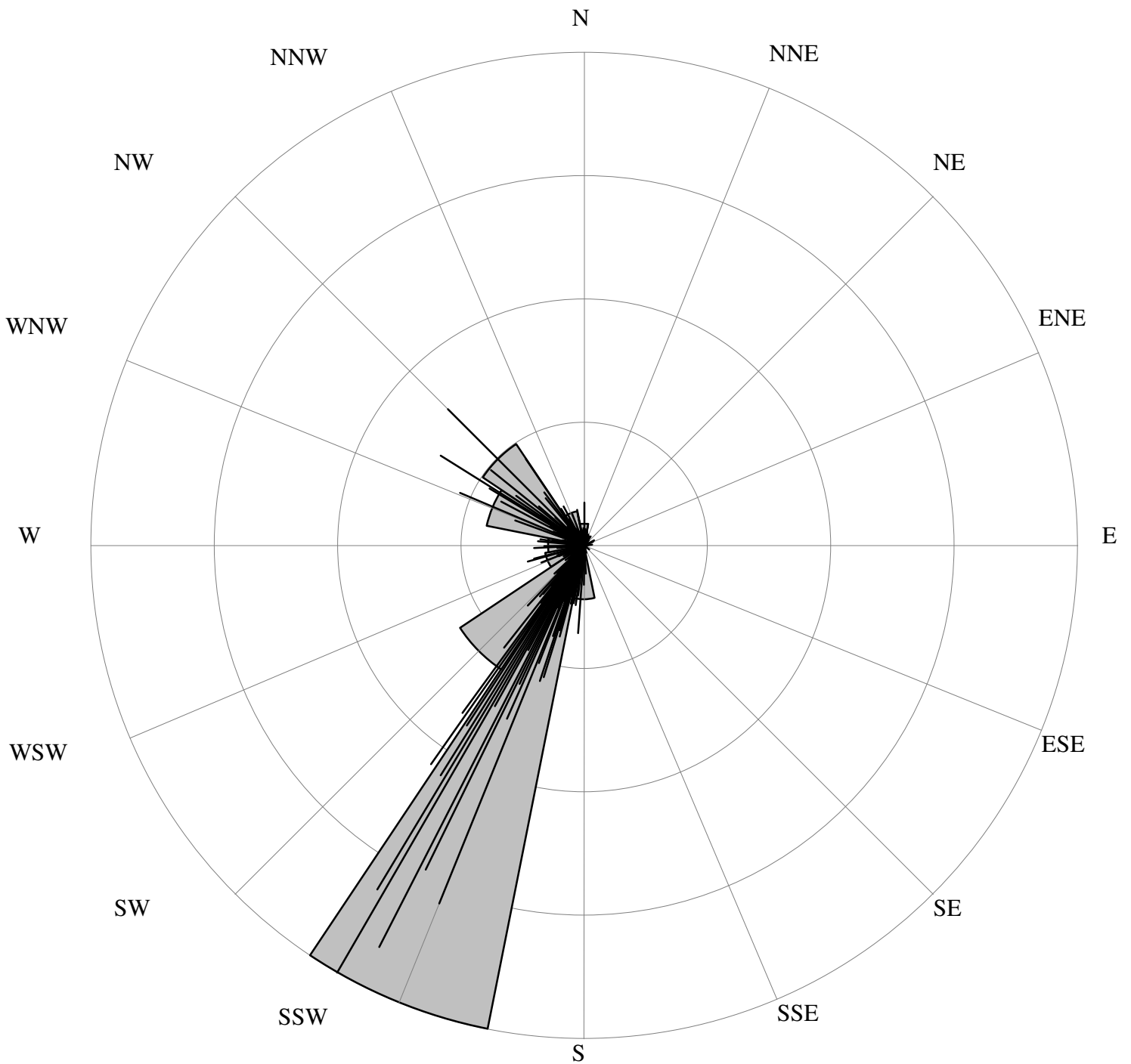
Date	A.M. Hour Ending at												P.M. Hour Ending at												Date
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	
01				0.01	0.05	0.11	0.08	0.07	0.04	0.03														01	
02						0.01																		02	
03	0.02	0.01	0.01																					03	
04	0.11	0.13		0.01	0.01	0.02			0.01		0.03	0.01	0.03					0.02					0.02	04	
05																								05	
06																								06	
07																								07	
08					0.02	0.02		0.04	0.08	0.11	0.09	0.19	0.16	0.25	0.20	0.12	0.08	0.02	0.02					08	
09																		0.07	0.05	0.03	0.01			09	
10					0.01		0.02	0.01										0.04	0.09	0.10	0.09	0.09		10	
11	0.08	0.04	0.01																					11	
12																								12	
13																								13	
14																								14	
15				0.02	0.03	0.04	0.02		0.01		0.01	0.14	0.12	0.13	0.06	0.08	0.06							15	
16				0.01												0.13	0.32	0.04						16	
17																								17	
18																								18	
19																								19	
20																								20	
21																								21	
22	0.01	0.01	0.02			0.01														0.03	0.02			22	
23	0.01	0.01	0.01					0.01																23	
24																								24	
25																								25	
26																								26	
27											0.01													27	
28																								28	
29						0.08		0.05	0.01									0.03	0.02					29	
30		0.01	0.01												1.89	0.25								30	
31																								31	
<b>Sum</b>	0.23	0.21	0.06	0.05	0.12	0.29	0.12	0.18	0.15	0.14	0.13	0.35	0.31	0.38	0.26	2.22	0.71	0.06	0.14	0.11	0.15	0.13	0.09	0.11	<b>Sum</b>

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  
May 2012: Westford



Wind Rose: May 2012  
Westford



Maximum direction of wind: 63.1 miles from 210°  
Maximum sector of wind: 536.7 miles from SSW  
1163.1 total miles of wind