

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

January 2006

Station: Westford
 Latitude: 44° 37' 39" N Longitude: 73° 02' 29" W Elevation (Ground): 850 feet Time Zone: Eastern

Date	Temperature					Humidity	DeW Pt		Precip Ty	Snow Cvr	Precip		Pressure			Wind					Sun										
	Maximum	Minimum	Average	Mean	Dew Point		Mean	Heating Base 65°F			Cooling Base 65°F	Water Equivalent	Ice Pellets Snow	Adj. to Sea Level			Avg	Res	Res	Peak		Minute		Mean Index							
1	2	3	4A	4B	5	6	7	8	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	24.1	11.9	18.0	17.8	15	88	47	0	.....	6	0.06	1.3	30.12	29.84	29.996	0.8	0.7	190	10	S	3	193									
2	34.3	21.4	27.8	26.2	24	92	38	0	.....	6	0.00	0.0	30.20	30.08	30.159	0.4	0.1	40	7	SSW	0	0									
3	32.5	14.3	23.4	22.9	20	88	42	0	.....	5	0.00	0.0	30.11	30.03	30.076	0.2	0.2	359	6	NNE	0	0									
4	34.6	13.1	23.8	23.7	15	72	41	0	.....	6	0.08	1.3	30.08	29.64	29.914	2.8	2.5	185	19	SSW	0	0									
5	32.7	27.0	29.9	30.2	29	94	35	0	.....	8	0.31	2.5	29.64	29.48	29.554	5.1	4.7	188	21	S	0	0									
6	29.1	10.2	19.7	19.9	17	88	46	0	.....	10	0.09	4.7	29.78	29.61	29.720	1.5	1.4	327	16	NW	0	0									
7	19.9	-2.8*	8.5	10.3	4	77	57	0	.....	10	0.00	0.0	29.89	29.72	29.834	0.6	0.5	201	13	S	0	0									
8	29.3	18.4	23.8	24.0	20	85	42	0	.....	10	0.00	0.8	30.06	29.85	29.963	3.0	2.8	185	13	SSE	0	0									
9	36.3	22.9	29.6	31.1	27	86	36	0	.....	8	0.11	T	30.14	29.70	29.894	5.3	2.9	209	22	S	0	0									
10	35.3	22.5	28.9	28.8	22	76	36	0	.....	7	0.00	0.0	30.39	30.14	30.302	2.9	2.0	250	17	WNW	0	0									
11	43.3	29.5	36.4	38.7	32	78	29	0	.....	3	0.18	0.0	30.24	29.62	29.963	9.0	8.8	186	36	S	0	0									
12	41.1	34.6	37.8	37.7	35	89	27	0	.....	T	0.17	0.0	29.91	29.61	29.807	3.5	3.3	210	24	SW	0	0									
13	48.0	36.8	42.4*	43.3	33	67	23	0	.....	T	0.00	0.0	29.88	29.51	29.740	6.6	6.5	185	28	SSW	0	0									
14	52.0*	18.0	35.0	38.4	37	93	30	0	1.....	2	0.70	2.0	29.53	29.11	29.339	5.5	2.6	283	26	NW	0	354									
15	18.0	0.0	9.0	5.6	-2	70	56	0	.....	4	0.09	2.0	29.83	29.53	29.722	6.5	6.3	318	25	NW	0	298									
16	12.9	-2.2	5.3*	5.0	-3	68	60	0	.....	4	0.00	0.0	29.99	29.80	29.846	3.1	2.9	318	19	NW	0	0									
17	33.2	1.1	17.2	16.8	7	66	48	0	.....	4	T	T	30.24	29.91	30.107	2.4	2.0	165	27	S	4	159									
18	45.4	32.5	39.0	37.0	32	82	26	0	.....	0	1.70	T	29.91	29.09	29.463	9.5	6.3	198	41	SSE	0	0									
19	34.4	27.8	31.1	30.8	20	63	34	0	.....	0	T	T	30.10	29.62	29.982	6.7	6.1	230	38	WSW	0	0									
20	45.8	34.3	40.0	41.6	30	62	25	0	.....	0	0.00	0.0	30.01	29.88	29.950	6.4	6.3	186	27	S	0	0									
21	51.9	19.1	35.5	38.0	31	75	30	0	1.....	2	0.09	1.7	30.41	29.50	29.876	8.2	4.5	237	32	S	0	0									
22	27.0	7.7	17.3	19.2	7	61	48	0	.....	1	0.00	0.0	30.66	30.38	30.555	2.6	1.2	224	20	NW	0	0									
23	31.5	26.0	28.8	28.8	21	75	36	0	.....	2	0.11	1.6	30.38	29.84	30.035	3.5	3.3	183	17	SSE	0	0									
24	33.5	26.0	29.8	29.8	22	73	35	0	.....	1	T	0.1	29.84	29.46	29.693	5.2	4.7	191	24	S	0	0									
25	31.9	26.7	29.3	29.4	28	93	36	0	.....	3	0.29	2.9	29.74	29.39	29.506	3.0	0.9	249	16	WNW	0	0									
26	26.7	3.2	15.0	15.9	11	83	50	0	.....	6	0.12	2.5	30.45	29.74	30.142	2.8	2.6	316	20	NW	0	0									
27	28.7	1.1	14.9	16.3	7	68	50	0	.....	4	0.00	0.0	30.49	30.13	30.358	4.5	4.3	196	21	S	0	0									
28	45.7	28.4	37.1	36.5	24	61	28	0	.....	2	0.00	0.0	30.13	29.94	30.030	4.8	4.5	208	24	SSW	0	0									
29	36.8	29.8	33.3	33.5	28	82	32	0	.....	2	0.04	0.1	30.05	29.58	29.844	0.8	0.3	42	11	NE	0	0									
30	41.6	32.2	36.9	35.6	34	95	28	0	.....	1	0.22	0.0	29.77	29.57	29.694	0.6	0.2	185	8	NE	0	0									
31	37.3	27.8	32.5	34.2	31	88	33	0	.....	T	0.08	0.4	29.76	29.65	29.707	2.5	1.7	168	20	SSE	0	0									
Sum	Sum	-----	-----	---	----	Ttl	Ttl						For the month:														---				
1075	599					1184	0	Number of Days		4.44	23.9	30.66	29.09	29.896	3.9	2.3	213	41	SSE	4	159										
Avg	Avg	Avg	Mean	Avg	Avg	----	----	Precip		Season Ttl	Date	Date	-----	----	----	---	Date	Date	Avg												
34.7	19.3	27.0	27.3	21	78.8	----	----	≥.01 inch	17	4.44	65.7	22	18	-----	----	----	---	18	17												
Number of Days							Season to Date	Snow, Ice ≥1.0 inch	10	Greatest in 24 Hours and Dates					Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date																
Max Temperature			Min Temperature			4112	0	Thunder	0	Precipitation		Snow, Ice Plts																			
≥ 90°F	< 32°F	< 32°F	< 0°F	----	----	Heavy Fog	0	0.00	-	4.7	6	10			6+																
0	11	27	3	----	----	Clear	5	Partly Cloudy	10	Cloudy	16																				

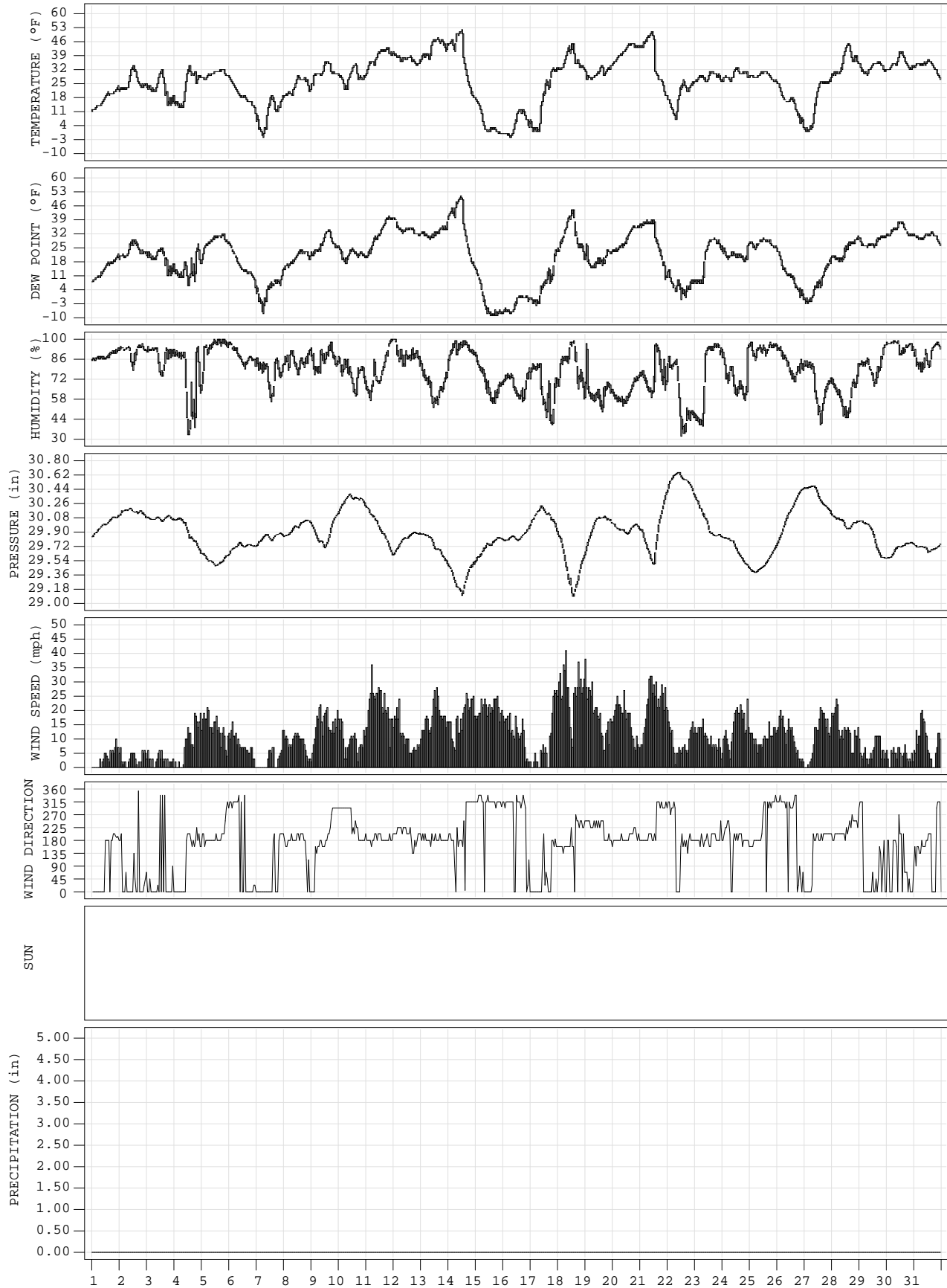
NOTES:
 Units are: Temperature=°F, Wind=mph, Pressure=Inches Hg, Precipitation=inches.
 Data in column 4A are (MAX+MIN) ÷ 2, whereas columns 4B, 5, 6, 15, 16, 23 are means via continuous observations for 24 hours.
 Column 5: Dew point is calculated from temperature and humidity and is continuously averaged 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: Sunshine index 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.

HOURLY PRECIPITATION (Water Equivalent)
January 2006: Westford

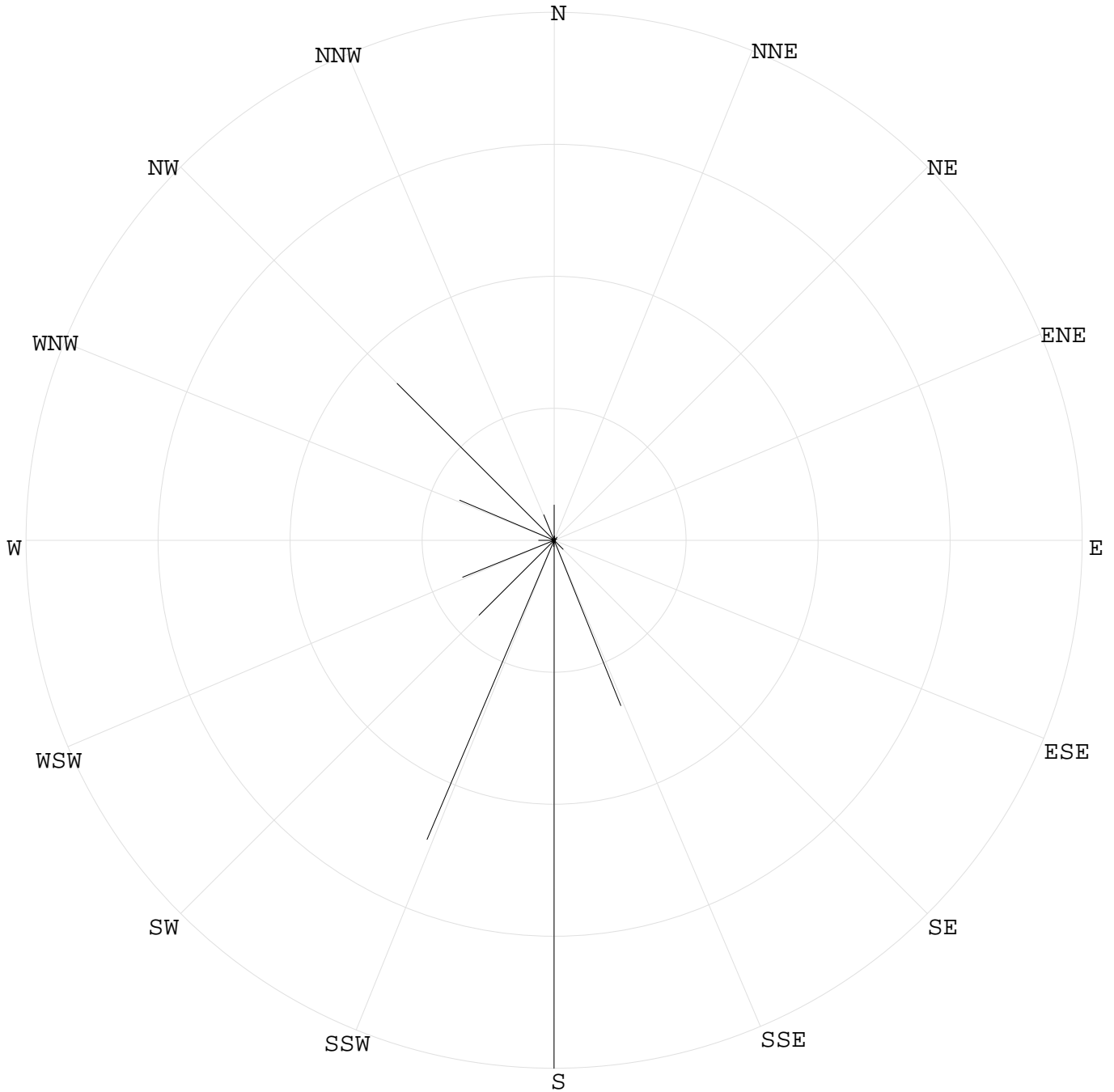
Date	A.M. Hour Ending at												P.M. Hour Ending at												Date	
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12		
01																									01	
02																										02
03																										03
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29																										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	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.)

HOURLY-BY-HOURLY DATA
January 2006: Westford



Wind Rose: January 2006
Westford



Maximum direction of wind: 907.3 miles from 180°.
2886.6 total miles of wind.