

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

February 2016

Station: Taunton 2W

Latitude: 41° 53' 56" N Longitude: 71° 08' 19" W Elevation (Ground): 50 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	Speed	Dir
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	67.1*	36.6	51.8*	50.8	39	66	13	0	.....	0	0.00	0.0	30.02	29.67	29.780	7.0	4.3	255	30	NNW	18	315	110
2	51.0	23.9	37.4	35.9	25	68	27	0	.....	0	0.00	0.0	30.39	30.02	30.243	2.1	1.7	329	16	NNW	11	359	140
3	56.4	25.8	41.1	43.4	40	89	24	0	.....	0	1.03	0.0	30.38	29.80	30.142	6.6	5.9	168	33	S	21	137	21
4	55.6	41.0	48.3	51.2	47	86	16	0	.....	0	0.24	0.0	30.08	29.86	29.945	3.8	2.3	238	19	NNW	14	335	31
5	41.0	19.3	30.1	31.8	30	93	35	0	.....9	9	1.62	9.5	30.25	29.86	30.025	3.1	3.1	340	23	NNW	13	338	3
6	36.4	10.5	23.5	25.3	22	86	41	0	.....	9	0.06	0.0	30.39	30.23	30.305	2.1	2.0	203	15	SSW	10	202	160
7	45.0	18.8	31.9	32.4	27	82	33	0	.....	6	0.01	0.0	30.23	29.98	30.122	1.8	0.8	56	10	E	7	96	143
8	38.0	20.1	29.1	26.6	23	86	36	0	.....9	6	0.21	3.0	29.98	29.65	29.764	11.1	10.1	0	37	N	21	32	25
9	29.6	16.5	23.1	24.5	21	87	41	0	.....	6	0.06	0.0	29.75	29.57	29.648	3.7	3.6	345	16	NNW	11	339	75
10	36.9	14.3	25.6	27.2	24	89	39	0	.....	5	0.01	0.2	29.66	29.53	29.596	1.6	1.3	226	13	W	8	283	78
11	30.1	12.4	21.3	22.3	11	62	44	0	.....	5	0.00	T	30.04	29.64	29.773	8.5	8.4	288	32	NW	21	281	91
12	25.6	5.1	15.4	16.7	4	57	49	0	.....	4	0.00	0.0	30.21	29.89	30.083	4.5	3.5	263	28	WNW	18	307	145
13	25.4	-1.3	12.0	14.5	1	58	53	0	.....	3	0.00	T	30.15	29.79	29.917	8.8	8.7	300	36	NW	22	298	140
14	13.7	-8.9*	2.4*	1.9	-15	46	62	0	.....	3	0.00	0.0	30.54	30.15	30.363	8.1	8.0	309	30	NNW	19	294	169
15	29.4	-8.3	10.5	11.8	4	72	54	0	...4.6...	3	0.14	0.4	30.61	30.17	30.488	1.5	0.9	108	9	ESE	7	107	86
16	57.3	29.4	43.3	50.5	48	91	22	0	...4.6...	3	0.60	T	30.17	29.48	29.824	10.6	9.9	165	43	SSE	26	147	51
17	47.3	28.3	37.8	37.7	29	73	27	0	.....	0	0.00	0.0	30.11	29.63	29.887	4.7	4.6	289	20	NW	12	297	160
18	37.3	23.8	30.5	30.0	16	58	34	0	.....	0	0.00	0.0	30.49	30.11	30.311	6.4	6.2	328	23	NW	15	346	174
19	41.7	15.2	28.5	29.5	18	63	36	0	.....	T	0.00	T	30.58	30.23	30.445	3.8	1.4	197	14	SSW	10	212	160
20	53.9	35.3	44.6	46.0	38	74	20	0	.....	0	0.01	0.0	30.24	29.75	29.903	7.5	7.2	189	26	S	15	219	100
21	53.8	31.1	42.4	45.7	34	65	22	0	.....	0	0.00	0.0	29.97	29.74	29.841	5.5	4.9	292	23	W	17	259	117
22	49.9	27.4	38.7	39.2	28	66	26	0	.....	0	0.01	0.0	30.33	29.94	30.102	3.2	2.2	347	17	NW	12	323	180
23	39.7	21.6	30.7	32.2	26	80	34	0	...4.....	T	0.03	T	30.43	30.29	30.381	3.3	3.1	76	19	N	11	101	67
24	60.8	36.4	48.6	46.3	45	95	16	0	.....	0	0.77	0.0	30.30	29.52	29.955	5.0	2.3	122	37	SE	23	165	27
25	62.8	40.8	51.8	52.6	48	83	13	0	...3.....	0	0.44	0.0	29.52	29.12	29.274	12.1	11.0	193	50	SSW	26	161	106
26	40.8	24.3	32.5	33.9	17	51	32	0	.....	0	0.01	0.0	29.99	29.37	29.677	10.6	10.2	284	33	N	22	319	192
27	37.3	14.7	26.0	28.6	15	57	39	0	.....	0	0.00	0.0	30.08	29.88	29.987	5.0	4.1	226	20	SSW	13	145	186
28	55.8	34.8	45.3	44.0	30	59	19	0	.....	0	0.00	0.0	29.92	29.74	29.837	6.9	6.7	206	21	SSW	14	218	168
29	62.3	37.3	49.8	48.9	40	72	15	0	.....	0	0.01	0.0	29.80	29.50	29.636	7.4	6.1	220	30	W	20	203	157
Sum	Sum				---	---	Ttl	Ttl			Total	Total	For the month:						---				
1282	626						922	0			5.26	13.1	30.61	29.12	29.974	5.7	2.2	255	50	SSW	26	161	
Avg	Avg	Avg	Mean	Avg	Avg	--	--	--	Precip		Season Ttl		Date	Date		--	--	---	Date	Date	Avg		
44.2	21.6	32.9	33.8	25	72.8	--	--	--	≥.01 inch	17	8.55	25.3	15	25		--	--	---	25	25	112		
Number of Days							Season to Date	Snow, Ice ≥1.0 inch	2	Greatest in 24 Hours and Dates						Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date							
Max Temperature			Min Temperature			3724	0	Thunder	1	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	--	--	--	--	Heavy Fog	0	1.71	4- 5	9.5	5	9			5+						
0	6	22	3	--	--	--	--	Clear	0	Partly Cloudy		0	Cloudy		0								

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

February 2016: Taunton 2W

Hour	FEB 01								FEB 02								FEB 03										
	Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Humidity	Wind Direction	Wind Speed	Wind Gust	Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Humidity	Wind Direction	Wind Speed	Wind Gust	Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Humidity	Wind Direction	Wind Speed	Wind Gust
01	0	29.76	0.00	41	40	95	17	5	8	0	30.04	0.00	32	27	80	30	0	2	0	30.36	0.00	27	24	87	13	0	2
04	0	29.70	0.00	47	43	87	18	8	17	0	30.11	0.00	27	24	89	27	0	0	0	30.36	0.00	27	24	90	13	0	1
07	0	29.69	0.00	46	42	84	19	5	13	7	30.18	0.00	24	22	91	31	0	0	0	30.33	0.00	30	28	92	13	0	3
10	469	29.71	0.00	55	44	66	21	10	19	459	30.28	0.00	46	29	50	33	5	11	76	30.24	0.00	43	38	81	12	6	13
13	490	29.67	0.00	67	46	48	24	11	16	508	30.27	0.00	51	27	39	32	6	12	60	30.07	0.00	51	45	79	14	9	21
16	40	29.78	0.00	57	37	48	31	6	16	116	30.28	0.00	50	25	38	29	1	3	23	30.01	0.05	52	50	91	16	14	26
19	0	29.90	0.00	50	30	46	31	5	14	0	30.36	0.00	33	24	69	13	0	0	0	29.98	0.23	55	53	92	20	6	11
22	0	29.98	0.00	46	30	55	33	4	8	0	30.37	0.00	27	23	85	13	1	2	0	29.91	0.06	55	54	95	18	10	28

MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.08	0.12	0.16	0.19	0.26	0.38	0.49	0.59	0.63	0.67	0.75	0.78
Ended: Date	25	03	03	03	03	03	03	03	03	03	03	03
Ended: Time	0405	2018	2023	2025	2110	2053	2108	2114	2114	2115	2118	2126

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

February 2016: Taunton 2W

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						
FEB 19									FEB 20									FEB 21									
01	0	30.50	0.00	23	8	53	34	4	8	0	30.19	0.00	37	33	86	15	9	13	0	29.75	0.00	46	39	76	17	2	5
04	0	30.51	0.00	18	9	68	29	3	6	0	30.07	0.00	41	38	90	16	10	17	0	29.75	0.00	33	31	92	16	0	0
07	21	30.55	0.00	15	10	78	32	1	2	5	29.97	0.00	46	40	80	18	6	22	23	29.81	0.00	46	35	66	30	7	20
10	550	30.56	0.00	33	19	55	29	1	3	132	29.89	0.00	47	36	67	21	11	21	436	29.85	0.00	50	36	57	27	11	19
13	599	30.46	0.00	40	21	46	19	5	9	294	29.82	0.00	51	38	61	20	10	17	262	29.84	0.00	53	35	51	32	11	17
16	90	30.38	0.00	36	22	56	16	6	9	179	29.78	0.00	54	37	53	20	8	15	186	29.83	0.00	53	33	46	33	11	19
19	0	30.33	0.00	32	26	77	18	5	9	0	29.80	0.00	45	38	77	20	4	11	0	29.92	0.00	44	31	61	31	1	2
22	0	30.30	0.00	34	29	81	17	7	12	0	29.78	0.00	46	40	78	19	5	13	0	29.95	0.00	43	33	66	31	1	3
FEB 22									FEB 23									FEB 24									
01	0	29.95	0.00	40	34	81	32	1	3	0	30.34	0.00	26	23	89	05	0	0	0	30.26	0.05	37	35	93	03	4	10
04	0	29.97	0.00	39	30	68	03	2	8	0	30.36	0.00	23	20	90	05	0	0	0	30.19	0.04	40	38	95	02	5	9
07	21	30.05	0.00	33	27	77	33	3	7	30	30.41	0.00	22	20	92	05	0	0	5	30.15	0.00	41	40	96	32	1	6
10	555	30.09	0.00	43	28	55	31	6	13	278	30.42	0.00	37	27	67	08	4	14	118	30.06	0.00	44	43	96	04	3	9
13	647	30.05	0.00	48	28	45	28	5	14	185	30.39	0.00	39	29	65	11	7	11	62	29.93	0.00	46	45	96	01	2	5
16	234	30.10	0.00	45	28	51	10	8	12	56	30.39	0.00	38	28	68	08	6	18	25	29.83	0.00	46	45	96	32	1	4
19	0	30.24	0.00	34	26	70	05	2	3	0	30.40	0.00	34	30	84	06	3	9	0	29.72	0.00	57	56	97	16	11	20
22	0	30.30	0.00	31	26	82	05	0	0	0	30.34	0.00	35	32	88	03	5	8	0	29.61	0.00	60	58	92	17	17	30
FEB 25									FEB 26									FEB 27									
01	0	29.47	0.00	61	59	92	16	17	32	0	29.39	0.00	40	34	77	24	11	22	0	30.00	0.00	24	8	52	27	5	11
04	0	29.33	0.63	62	60	94	17	24	47	0	29.47	0.00	35	23	63	25	14	25	0	30.02	0.00	21	9	61	29	4	6
07	0	29.29	0.00	57	56	95	19	14	24	58	29.57	0.00	32	22	65	26	13	23	91	30.07	0.00	16	11	83	28	0	0
10	51	29.24	0.00	52	50	94	19	12	18	589	29.64	0.00	36	20	54	27	13	25	635	30.07	0.00	30	12	46	28	3	11
13	677	29.16	0.00	54	46	72	17	15	25	649	29.66	0.00	40	18	41	30	11	25	643	29.99	0.00	36	13	38	16	8	11
16	28	29.16	0.00	48	43	82	17	12	25	221	29.74	0.00	36	11	35	31	17	30	216	29.93	0.00	37	21	53	16	11	15
19	0	29.25	0.00	46	37	71	22	10	19	0	29.88	0.00	30	9	42	29	7	14	0	29.93	0.00	32	20	61	22	6	15
22	0	29.32	0.00	42	36	78	22	9	15	0	29.95	0.00	27	8	45	27	7	14	0	29.91	0.00	32	23	71	21	7	12
FEB 28									FEB 29																		
01	0	29.88	0.00	36	24	61	23	7	16	0	29.73	0.00	43	37	79	19	8	13									
04	0	29.86	0.00	37	24	59	20	5	12	0	29.65	0.00	42	39	87	18	6	13									
07	18	29.90	0.00	37	26	63	20	5	11	95	29.59	0.00	45	41	84	18	11	20									
10	599	29.92	0.00	46	31	55	21	6	13	575	29.56	0.00	55	42	63	22	15	25									
13	601	29.83	0.00	54	33	45	20	6	15	411	29.50	0.00	60	41	49	21	8	15									
16	156	29.79	0.00	53	33	48	19	9	14	90	29.57	0.00	55	45	69	25	9	15									
19	0	29.78	0.00	45	36	70	19	8	15	0	29.72	0.00	49	38	65	32	3	8									
22	0	29.77	0.00	44	36	72	19	6	16	0	29.76	0.00	40	34	78	19	2	4									

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	29.980	30	25	80	4.6	25	1.5
04	0	29.974	29	24	83	4.8	24	1.8
07	17	29.991	28	23	82	4.3	25	1.6
10	382	29.997	37	27	69	7.1	27	3.4
13	389	29.941	41	27	60	7.8	27	2.0
16	104	29.935	39	26	62	8.1	24	2.0
19	0	29.985	34	25	71	4.9	26	2.1
22	0	29.990	32	25	77	4.5	24	2.1

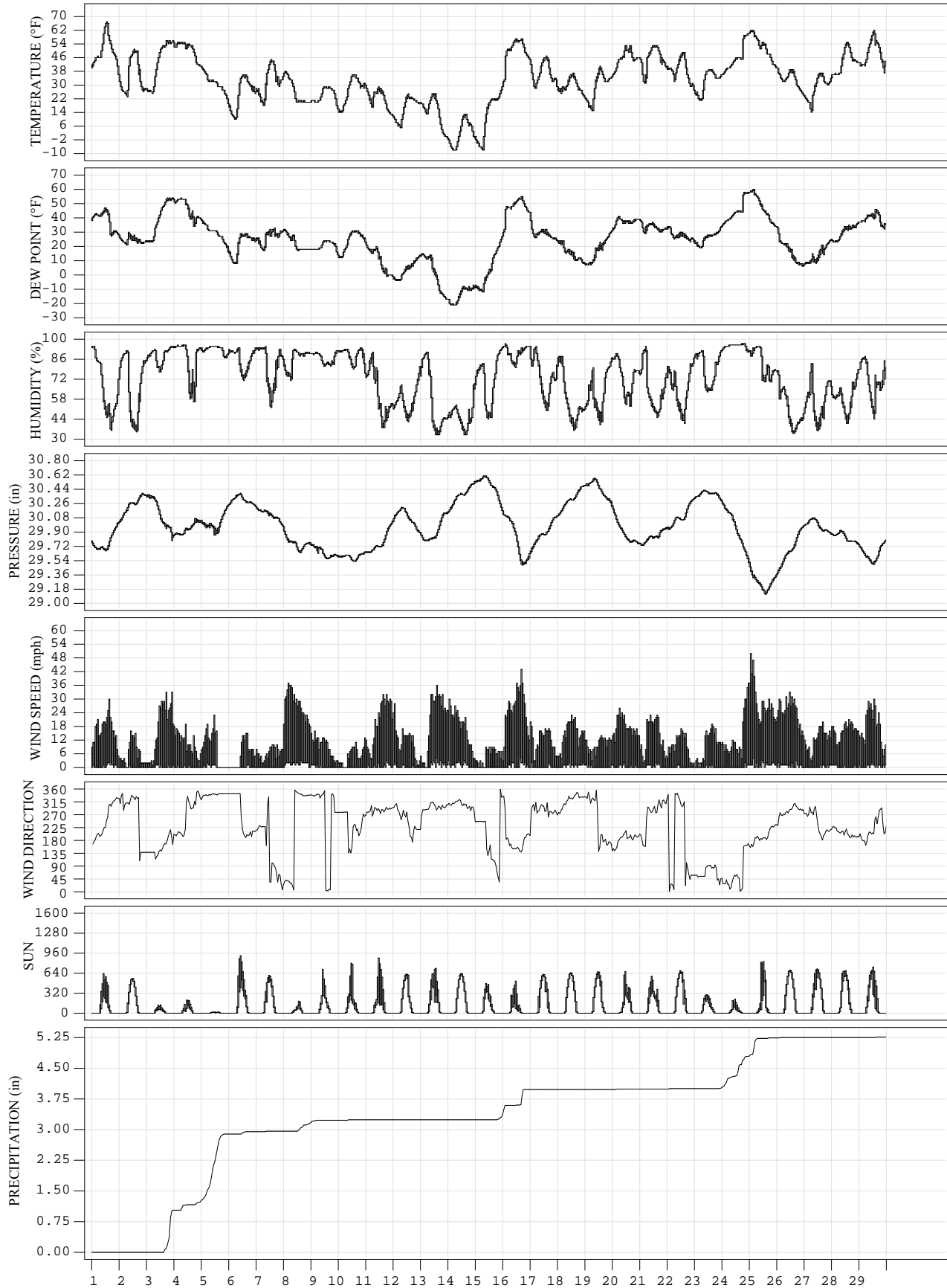
HOURLY PRECIPITATION (Water Equivalent) February 2016: Taunton 2W

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	
04							0.05	0.07			0.01					0.06	0.03	0.06	0.11	0.11	0.46	0.17	0.03	0.04	04	
05	0.02	0.02	0.05	0.04	0.09	0.06	0.04	0.11	0.16	0.17	0.12	0.08	0.15	0.15	0.14	0.10	0.06	0.03	0.01	0.03	0.01	0.01	0.01	0.04	05	
06																									06	
07												0.03	0.01	0.01	0.01										07	
08									0.01																08	
09	0.03	0.01		0.01		0.01							0.01	0.04	0.03	0.01	0.03	0.03			0.02		0.03	0.01	09	
10									0.01																10	
11																									11	
12																									12	
13																									13	
14																									14	
15																				0.01	0.02	0.02	0.02	0.07	15	
16	0.11	0.10									0.01				0.01	0.24	0.12	0.01							16	
17																									17	
18																									18	
19																									19	
20				0.01																					20	
21																									21	
22		0.01																							22	
23																									23	
24	0.02	0.02	0.05	0.04	0.08	0.01	0.02	0.01	0.01	0.01		0.01	0.01	0.08	0.17	0.02		0.10	0.02	0.05	0.03		0.01	0.02	24	
25	0.03		0.01	0.15	0.17	0.05	0.02									0.01									0.01	25
26			0.01																						26	
27																									27	
28																									28	
29															0.01										29	
Sum	0.21	0.16	0.12	0.25	0.34	0.13	0.13	0.19	0.19	0.18	0.13	0.13	0.18	0.28	0.36	0.20	0.37	0.34	0.17	0.21	0.54	0.21	0.09	0.15	Sum	

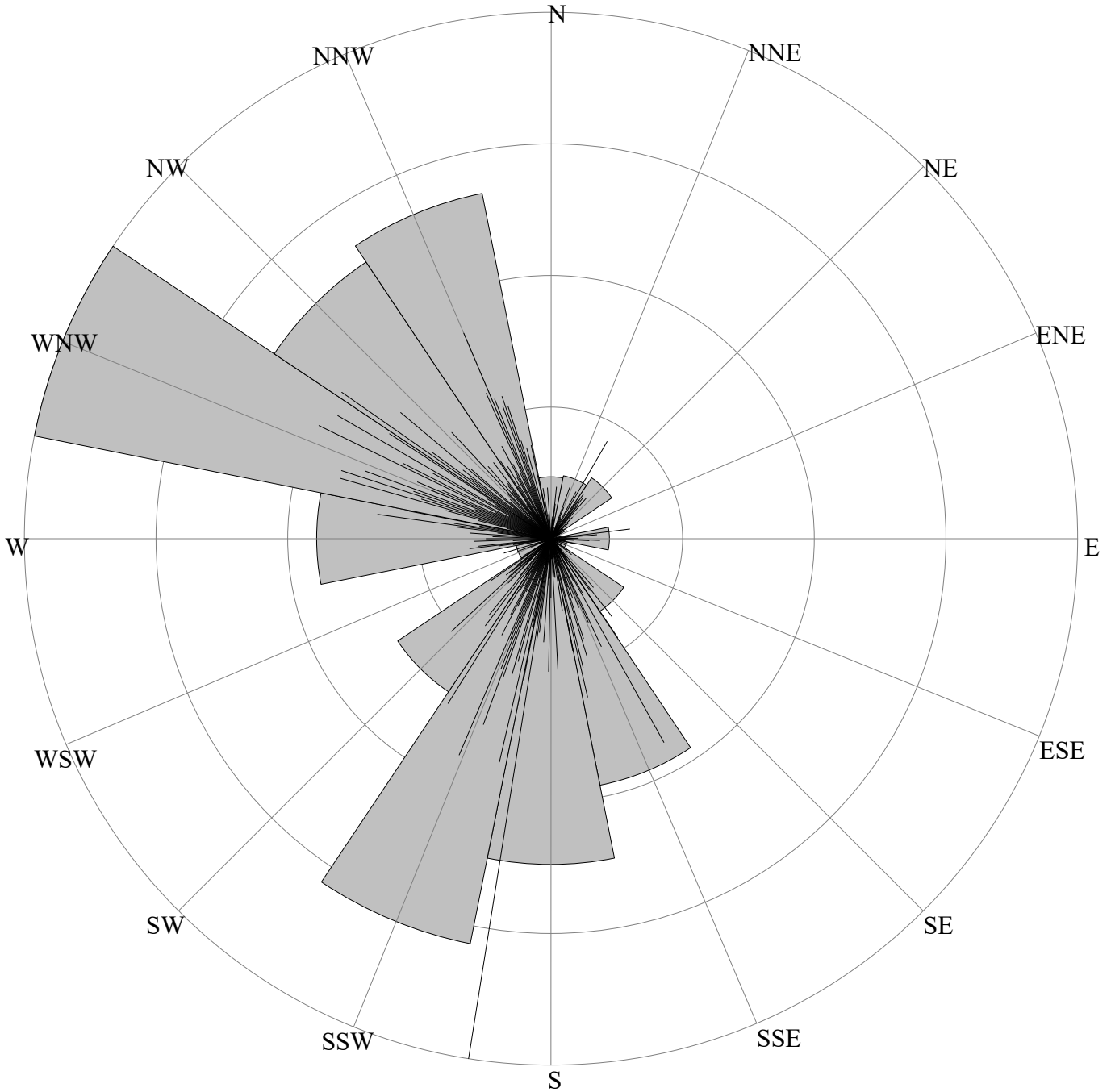
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

HOUR-BY-HOUR DATA

February 2016: Taunton 2W



Wind Rose: February 2016
Taunton 2W



Maximum direction of wind: 126.7 miles from 189°
Maximum sector of wind: 694.3 miles from WNW
3988.6 total miles of wind