

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

August 2009

Station: Oakland, NJ

Latitude: 41° 02' 28" N Longitude: 74° 13' 52" W Elevation (Ground): 280 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						Sun		
	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	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	84.0	59.3	71.6	70.9	63	80	0	7	.....	0	0.00	0.0	30.08	29.95	30.023	0.6	0.5	178	11	ESE	6	128	
2	72.1	63.0	67.5	67.8	67	97	0	3	.....	0	1.36	0.0	30.02	29.81	29.900	0.2	0.1	208	15	SSE	6	190	
3	81.4	62.6	72.0	71.4	66	85	0	7	.....	0	0.00	0.0	29.99	29.87	29.942	0.5	0.3	297	9	W	4	226	
4	84.7	58.5	71.6	71.9	65	82	0	7	.....	0	0.00	0.0	30.01	29.84	29.933	1.2	1.2	218	16	SSW	8	216	
5	84.9	63.8	74.4	73.7	69	86	0	10	.....	0	0.01	0.0	29.93	29.83	29.859	0.7	0.5	245	18	WNW	10	343	
6	76.7	59.0	67.8	66.7	59	79	0	3	.....	0	0.00	0.0	29.98	29.89	29.936	0.3	0.2	329	7	N	4	346	
7	77.8	56.5	67.2	67.1	56	69	0	3	.....	0	0.00	0.0	30.14	29.95	30.032	1.4	1.4	326	18	W	8	301	
8	75.3	53.2	64.3	64.5	56	76	1	0	.....	0	0.00	0.0	30.25	30.14	30.189	0.3	0.2	317	10	E	4	6	
9	77.2	63.3	70.2	69.3	67	91	0	5	.....	0	0.01	0.0	30.18	29.92	30.046	0.4	0.4	215	13	S	7	207	
10	90.8	67.6	79.2	77.1	71	83	0	15	.....	0	0.44	0.0	29.99	29.77	29.863	1.5	0.8	260	24	NW	10	355	
11	85.1	69.2	77.1	75.7	69	82	0	12	.....	0	0.00	0.0	29.86	29.77	29.813	1.0	1.0	338	16	N	9	350	
12	76.6	68.1	72.3	71.4	69	91	0	8	.....	0	0.29	0.0	30.01	29.84	29.934	0.3	0.3	52	9	NNE	3	203	
13	72.2	66.6	69.4	68.7	67	96	0	5	.....	0	0.20	0.0	30.14	29.99	30.067	0.2	0.2	37	7	NE	3	35	
14	84.9	62.5	73.7	72.6	67	85	0	9	.....	0	0.00	0.0	30.18	30.11	30.147	0.4	0.1	279	10	N	4	190	
15	87.4	64.8	76.1	74.6	68	83	0	11	.....	0	0.01	0.0	30.17	30.08	30.136	0.7	0.6	239	12	SSW	5	197	
16	89.3	65.3	77.3	75.8	69	81	0	12	.....	0	0.00	0.0	30.17	30.08	30.131	0.4	0.4	282	7	WNW	4	299	
17	90.3	65.9	78.1	76.7	70	82	0	13	.....	0	0.00	0.0	30.16	30.06	30.117	0.4	0.3	260	9	W	4	230	
18	88.8	65.5	77.2	77.8	70	79	0	13	.....	0	0.00	0.0	30.10	29.92	30.014	1.7	1.7	221	18	SSW	10	229	
19	87.6	70.0	78.8	76.4	71	83	0	14	.....	0	0.00	0.0	29.96	29.90	29.928	0.8	0.5	282	11	NW	5	340	
20	88.7	66.1	77.4	76.6	71	85	0	13	.....	0	0.00	0.0	29.95	29.84	29.909	0.7	0.7	208	12	SW	6	214	
21	91.3*	69.8	80.6*	75.6	72	90	0	16	.....	0	0.44	0.0	29.90	29.78	29.862	1.3	1.2	219	24	S	14	189	
22	81.1	69.9	75.5	73.4	72	96	0	11	.....	0	0.99	0.0	29.90	29.74	29.826	0.2	0.1	64	8	NE	3	54	
23	84.0	68.3	76.2	73.9	71	91	0	11	.....	0	0.01	0.0	29.93	29.70	29.807	0.4	0.2	238	9	SW	5	295	
24	79.6	63.9	71.8	70.7	66	85	0	7	.....	0	0.00	0.0	30.08	29.92	30.006	0.6	0.5	1	13	N	6	335	
25	82.4	61.2	71.8	70.4	65	84	0	7	.....	0	0.00	0.0	30.14	30.02	30.079	0.5	0.2	270	9	WNW	4	201	
26	83.9	62.8	73.4	72.8	66	80	0	9	.....	0	0.00	0.0	30.03	29.90	29.967	1.6	1.4	254	18	WSW	9	215	
27	75.7	62.5	69.1	68.5	60	75	0	5	.....	0	0.00	0.0	30.11	29.99	30.058	0.5	0.5	349	12	NW	5	339	
28	64.7	59.0	61.8	62.7	61	93	3	0	.....	0	0.54	0.0	30.14	29.97	30.082	0.2	0.2	34	6	NNW	2	34	
29	70.8	62.8	66.8	66.0	65	97	0	2	.....	0	0.31	0.0	29.97	29.69	29.793	0.4	0.4	42	7	NE	3	58	
30	79.6	59.0	69.3	69.5	63	82	0	5	.....	0	0.01	0.0	29.99	29.78	29.858	1.2	1.1	250	20	SSW	9	231	
31	70.1	52.9*	61.5*	62.2	54	75	3	0	.....	0	0.00	0.0	30.20	29.99	30.093	1.1	1.0	355	15	N	5	339	
Sum	Sum	-----	-----	---	----	Ttl	Ttl	Number of Days		For the month:												---		
2519	1963					7	243			4.62	0.0	30.25	29.69	29.979	0.7	0.3	266	24	NW	14	189			
Avg	Avg	Avg	Mean	Avg	Avg	----	----	Precip		Season Ttl		Date	Date	-----	----	----	---	Date	Date	Avg				
81.3	63.3	72.3	71.4	66	84.7	----	----	≥.01 inch		13	30.76	0.0	8	29	-----	----	----	---	10+	21				
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			12	516	Thunder		0	Precipitation			Snow, Ice Plts										
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog		0	1.36	2	0.0		-		0						-			
3	0	0	0	----	----	Clear		31	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: Sunshine index 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

August 2009: Oakland, NJ

Hour	Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Humidity	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
AUG 01									AUG 02									AUG 03									
01		29.95	0.00	64	64	98	13	0	1		30.00	0.00	64	63	96	24	0	0		29.88	0.00	66	65	99	22	0	0
04		29.98	0.00	62	61	98	15	0	1		29.96	0.00	64	64	98	24	0	0		29.89	0.00	68	67	99	28	0	1
07		30.05	0.00	60	60	99	14	0	0		29.94	0.00	66	66	98	24	0	0		29.94	0.00	66	66	99	03	0	0
10		30.07	0.00	74	67	79	13	1	2		29.90	0.00	71	70	98	00	0	3		29.98	0.00	76	69	80	13	0	2
13		30.06	0.00	80	61	52	22	4	7		29.89	0.33	71	70	98	23	0	1		29.98	0.00	78	69	73	22	3	6
16		30.02	0.00	81	63	55	17	1	7		29.81	0.00	70	69	98	30	0	1		29.94	0.00	79	67	66	31	0	4
19		30.01	0.00	79	61	53	18	0	5		29.82	0.00	71	70	96	21	1	3		29.94	0.00	76	69	79	28	0	1
22		30.03	0.00	66	65	94	25	0	0		29.87	0.00	68	67	98	22	0	0		29.97	0.00	65	64	95	28	0	0
AUG 04									AUG 05									AUG 06									
01		29.97	0.00	62	61	97	28	0	0		29.84	0.00	69	68	97	20	0	0		29.93	0.00	62	60	94	09	0	2
04		29.97	0.00	60	59	98	28	0	0		29.85	0.00	67	67	98	20	0	0		29.93	0.00	62	58	87	35	0	0
07		30.00	0.00	59	59	98	28	0	0		29.87	0.00	68	67	98	20	0	0		29.95	0.00	60	58	94	35	0	0
10		29.98	0.00	76	66	72	20	2	4		29.85	0.00	80	71	75	32	0	5		29.96	0.00	66	59	79	29	0	1
13		29.94	0.00	83	69	63	17	5	11		29.84	0.00	85	72	65	22	4	9		29.95	0.00	74	59	61	21	1	3
16		29.90	0.00	84	68	59	20	3	11		29.85	0.00	74	71	92	21	0	7		29.89	0.00	76	58	53	33	0	3
19		29.86	0.00	79	70	74	20	0	0		29.84	0.00	78	73	84	31	0	6		29.91	0.00	72	62	72	30	0	2
22		29.86	0.00	72	70	95	20	0	0		29.92	0.00	69	65	90	01	0	0		29.94	0.00	62	60	92	30	0	1
AUG 07									AUG 08									AUG 09									
01		29.96	0.00	62	57	84	35	2	9		30.16	0.00	55	54	95	36	0	0		30.17	0.00	64	61	90	06	0	0
04		29.97	0.00	61	55	80	29	1	5		30.18	0.00	54	52	93	04	0	1		30.13	0.00	64	61	93	05	0	0
07		30.02	0.00	60	54	82	34	1	4		30.23	0.00	54	52	95	08	0	0		30.09	0.00	64	62	93	05	0	0
10		30.05	0.00	71	59	67	06	0	7		30.25	0.00	69	55	61	34	0	3		30.08	0.00	68	65	92	05	0	0
13		30.05	0.00	75	57	52	32	3	12		30.21	0.00	73	51	45	34	3	10		30.04	0.00	73	69	86	15	1	3
16		30.03	0.00	75	54	49	26	2	11		30.17	0.00	74	58	58	07	0	1		30.00	0.00	76	71	84	22	4	6
19		30.04	0.00	72	56	57	35	0	3		30.16	0.00	69	62	78	27	0	0		29.95	0.00	73	71	94	22	0	4
22		30.12	0.00	59	57	92	36	0	0		30.16	0.00	64	60	87	06	0	0		29.96	0.00	70	70	97	20	0	0
AUG 10									AUG 11									AUG 12									
01		29.97	0.30	68	67	97	08	3	11		29.81	0.00	70	69	97	29	0	0		29.85	0.00	69	68	96	29	0	0
04		29.89	0.00	68	67	97	21	2	6		29.78	0.00	70	69	97	29	0	0		29.86	0.00	69	67	96	29	0	0
07		29.90	0.00	69	68	97	35	2	7		29.81	0.00	72	70	92	30	3	7		29.89	0.00	69	67	96	29	0	0
10		29.91	0.00	80	73	80	18	2	4		29.84	0.00	78	70	75	35	3	15		29.94	0.00	76	69	81	03	0	5
13		29.87	0.00	86	74	68	01	3	7		29.83	0.00	83	71	67	26	3	13		29.97	0.00	73	71	96	01	0	3
16		29.80	0.00	88	76	67	22	1	9		29.79	0.00	84	68	59	26	2	7		29.95	0.00	75	68	80	06	1	7
19		29.78	0.00	86	75	71	19	1	8		29.80	0.00	78	71	80	29	0	0		29.98	0.00	73	69	89	03	0	6
22		29.84	0.00	70	69	95	29	0	1		29.83	0.00	71	69	93	29	0	0		30.00	0.00	70	68	94	35	0	1
AUG 13									AUG 14									AUG 15									
01		30.00	0.00	69	68	97	05	0	1		30.13	0.00	65	65	98	01	0	0		30.15	0.00	67	66	97	35	0	0
04		30.00	0.07	69	68	97	04	1	4		30.14	0.00	63	62	98	01	0	0		30.15	0.00	65	64	97	35	0	0
07		30.02	0.00	68	67	97	02	0	1		30.16	0.00	64	63	98	01	0	0		30.16	0.00	67	66	98	35	0	0
10		30.07	0.11	68	67	97	02	0	5		30.17	0.00	76	70	82	02	2	5		30.16	0.00	79	72	79	20	2	4
13		30.10	0.00	68	67	97	06	0	1		30.16	0.00	82	70	67	27	1	5		30.13	0.00	85	71	63	26	4	7
16		30.09	0.00	70	68	94	04	1	2		30.12	0.00	85	67	56	27	0	3		30.10	0.00	85	66	53	28	2	5
19		30.10	0.00	71	68	89	01	0	0		30.12	0.00	78	71	80	35	0	0		30.09	0.00	80	72	77	30	0	1
22		30.14	0.00	69	68	97	01	0	0		30.15	0.00	70	69	96	35	0	1		30.14	0.00	70	69	95	30	0	0
AUG 16									AUG 17									AUG 18									
01		30.14	0.00	67	67	97	30	0	0		30.14	0.00	69	68	97	28	0	1		30.09	0.00	71	70	97	19	0	2
04		30.13	0.00	66	65	97	30	0	0		30.13	0.00	67	66	97	28	0	0		30.08	0.00	69	68	97	17	0	0
07		30.15	0.00	66	66	98	30	0	0		30.15	0.00	66	66	98	28	0	0		30.08	0.00	66	65	98	17	0	1
10		30.16	0.00	81	72	73	21	1	3		30.15	0.00	83	73	72	22	1	3		30.05	0.00	81	71	72	23	2	9
13		30.14	0.00	88	66	49	21	3	6		30.14	0.00	88	70	55	30	0	3		30.01	0.00	88	73	62	21	5	16
16		30.10	0.00	87	69	55	28	2	6		30.09	0.00	88	69	55	27	1	5		29.95	0.00	88	72	69	20	5	14
19		30.09	0.00	80	71	74	28	0	0		30.06	0.00	81	74	79	29	0	0		29.93	0.00	83	72	70	23	1	3
22		30.14	0.00	71	69	95	28	0	0		30.09	0.00	73	71	95	29	0	0		29.96	0.00	79	71	76	22	1	6

MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.35	0.49	0.51	0.52	0.56	0.62	0.72	0.82	0.88	0.95	0.97	1.05
Ended: Date	02	02	02	02	02	02	02	02	02	02	02	02
Ended: Time	1318	1322	1324	1324	1322	1324	1321	1322	1348	1356	1356	1356

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

August 2009: Oakland, NJ

Hour	AUG 19									AUG 20									AUG 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	29.94	0.00	74	70	86	22	1	4	29.93	0.00	69	69	97	17	0	0	29.89	0.00	72	72	97	35	0	0			
04	29.92	0.00	71	68	91	18	0	0	29.92	0.00	67	66	97	17	0	0	29.86	0.00	72	71	97	35	0	0			
07	29.93	0.00	70	68	94	21	0	2	29.94	0.00	66	66	97	04	0	0	29.87	0.00	73	72	98	35	0	0			
10	29.95	0.00	79	70	75	31	4	8	29.94	0.00	79	73	80	33	0	2	29.87	0.00	81	76	84	24	2	10			
13	29.93	0.00	85	72	67	35	1	4	29.93	0.00	86	75	69	24	0	5	29.82	0.00	88	77	69	19	1	9			
16	29.92	0.00	81	73	78	35	2	6	29.87	0.00	86	75	68	22	3	8	29.87	1.02	71	69	91	23	0	10			
19	29.90	0.00	77	72	85	17	0	0	29.85	0.00	81	75	83	19	0	0	29.87	0.00	71	70	96	02	0	1			
22	29.92	0.00	73	71	95	17	0	0	29.89	0.00	75	74	95	29	0	0	29.90	0.00	70	69	97	02	0	0			
AUG 22									AUG 23									AUG 24									
01	29.89	0.00	70	69	98	02	0	0	29.73	0.00	71	70	98	27	0	0	29.93	0.00	68	67	96	04	0	1			
04	29.86	0.15	71	70	98	10	0	1	29.71	0.00	69	68	98	15	0	0	29.95	0.00	66	65	97	08	0	0			
07	29.88	0.06	70	70	98	08	0	2	29.75	0.00	70	69	98	23	0	0	29.99	0.00	64	64	98	10	0	1			
10	29.88	0.00	72	71	98	32	0	2	29.81	0.00	73	72	98	35	0	4	30.02	0.00	72	65	79	33	2	11			
13	29.83	0.00	76	75	96	00	0	1	29.82	0.00	81	73	75	13	2	6	30.03	0.00	77	68	73	35	1	6			
16	29.76	0.00	77	75	93	06	0	1	29.82	0.00	80	74	82	31	2	7	30.02	0.00	79	66	64	31	1	3			
19	29.75	0.05	76	75	97	05	0	1	29.85	0.00	77	73	88	33	0	0	30.02	0.00	74	67	81	29	0	2			
22	29.76	0.00	73	72	98	27	0	0	29.91	0.00	71	70	96	04	0	0	30.06	0.00	66	65	96	33	0	0			
AUG 25									AUG 26									AUG 27									
01	30.08	0.00	64	63	96	08	0	2	30.02	0.00	64	63	97	27	0	0	30.00	0.00	70	64	81	33	1	11			
04	30.08	0.00	62	61	97	08	0	0	30.00	0.00	63	62	97	22	0	0	30.01	0.00	68	61	80	01	0	1			
07	30.13	0.00	62	61	98	08	0	1	30.00	0.00	65	64	98	19	0	2	30.06	0.00	64	61	91	06	0	2			
10	30.14	0.00	74	66	75	01	0	6	29.99	0.00	77	69	75	29	2	10	30.09	0.00	67	57	72	12	1	6			
13	30.09	0.00	81	65	57	18	2	6	29.93	0.00	81	67	63	25	3	12	30.07	0.00	74	59	60	34	2	6			
16	30.04	0.00	78	68	71	29	0	3	29.90	0.00	82	67	60	22	5	12	30.05	0.00	75	57	53	17	0	4			
19	30.03	0.00	75	67	77	27	0	0	29.92	0.00	75	67	76	25	0	2	30.06	0.00	69	62	77	01	0	1			
22	30.05	0.00	66	65	96	27	0	0	29.98	0.00	72	66	82	33	0	5	30.11	0.00	65	61	87	06	0	0			
AUG 28									AUG 29									AUG 30									
01	30.10	0.00	64	60	87	03	0	0	29.94	0.00	63	63	98	05	0	3	29.78	0.00	67	66	98	06	0	0			
04	30.09	0.00	64	59	85	03	0	0	29.89	0.00	63	63	98	06	0	2	29.81	0.00	66	66	98	02	0	1			
07	30.11	0.00	64	59	85	06	0	0	29.85	0.00	64	64	98	04	0	5	29.84	0.00	66	65	98	06	0	1			
10	30.14	0.04	59	58	95	04	1	3	29.78	0.00	65	65	98	01	0	3	29.87	0.00	73	69	89	19	3	5			
13	30.12	0.06	61	60	96	07	0	5	29.73	0.00	67	66	98	00	1	5	29.84	0.00	79	62	56	23	3	12			
16	30.07	0.00	63	63	97	02	1	4	29.70	0.00	70	67	91	13	1	3	29.85	0.00	75	61	62	30	1	6			
19	30.02	0.00	63	63	97	02	1	3	29.70	0.00	68	67	94	07	0	2	29.88	0.00	70	62	77	26	0	3			
22	30.02	0.00	64	63	97	34	0	2	29.76	0.00	67	66	97	12	0	1	29.96	0.00	60	58	91	28	0	0			
AUG 31																											
01	30.00	0.00	63	55	74	35	4	10																			
04	30.02	0.00	60	53	78	28	0	5																			
07	30.08	0.00	59	54	82	01	0	4																			
10	30.11	0.00	62	56	81	35	1	6																			
13	30.12	0.00	66	53	63	00	3	5																			
16	30.11	0.00	68	50	53	35	1	9																			
19	30.12	0.00	63	56	79	32	0	1																			
22	30.18	0.00	56	54	93	32	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		29.980	66	65	94	0.4	1	0.2
04		29.972	65	64	94	0.1	26	0.0
07		29.996	65	64	96	0.2	33	0.2
10		30.005	74	67	81	1.1	27	0.3
13		29.987	79	67	70	2.0	25	0.9
16		29.954	78	67	70	1.5	25	0.8
19		29.950	75	68	81	0.2	22	0.1
22		29.987	68	66	93	0.0	24	0.0

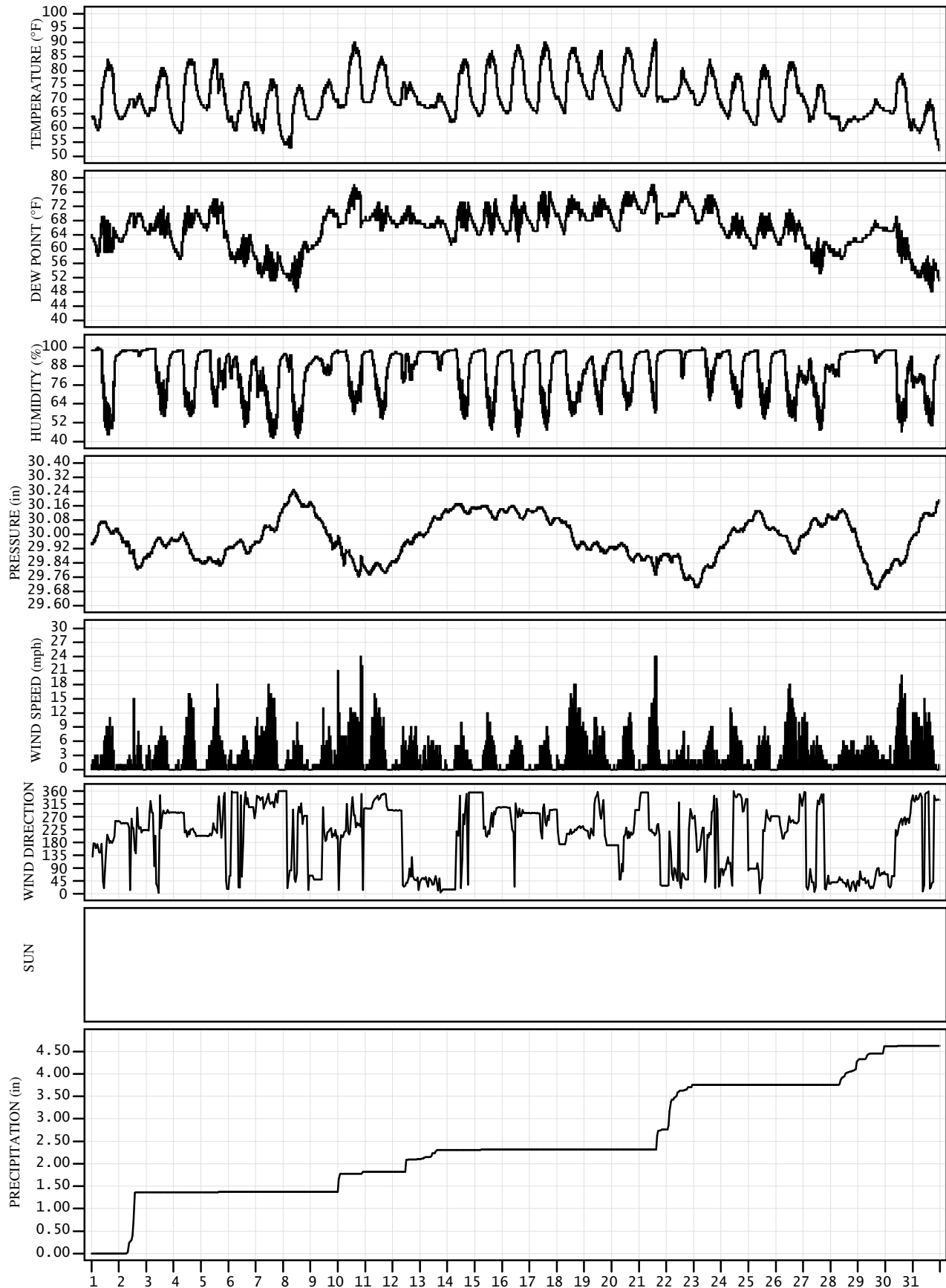
**HOURLY PRECIPITATION (Water Equivalent)
August 2009: Oakland, NJ**

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							0.01	0.02	0.21	0.02	0.05	0.09	0.30	0.65	0.01									02	
03																								03	
04																								04	
05															0.01									05	
06																								06	
07																								07	
08																								08	
09																							0.01	09	
10	0.28	0.12																			0.04			10	
11																								11	
12												0.26		0.01							0.02			12	
13		0.01		0.02	0.01				0.02	0.06			0.04	0.04										13	
14																								14	
15						0.01																		15	
16																								16	
17																								17	
18																								18	
19																								19	
20																								20	
21																								21	
22		0.10	0.30	0.21	0.06		0.04	0.01	0.03	0.08	0.02	0.02			0.30	0.11	0.01		0.05	0.02			22		
23													0.01		0.01	0.01							0.05	23	
24																								24	
25																								25	
26																								26	
27																								27	
28								0.02	0.08	0.05	0.02	0.02	0.05	0.02	0.01	0.01		0.01	0.01	0.01	0.02	0.16	0.04	28	
29	0.03						0.01	0.07	0.02	0.01	0.02											0.15		29	
30											0.01													30	
31																								31	
Sum	0.31	0.23	0.30	0.23	0.07	0.01	0.06	0.12	0.34	0.18	0.18	0.39	0.36	0.72	0.06	0.33	0.13	0.01	0.06	0.03	0.01	0.08	0.37	0.04	Sum

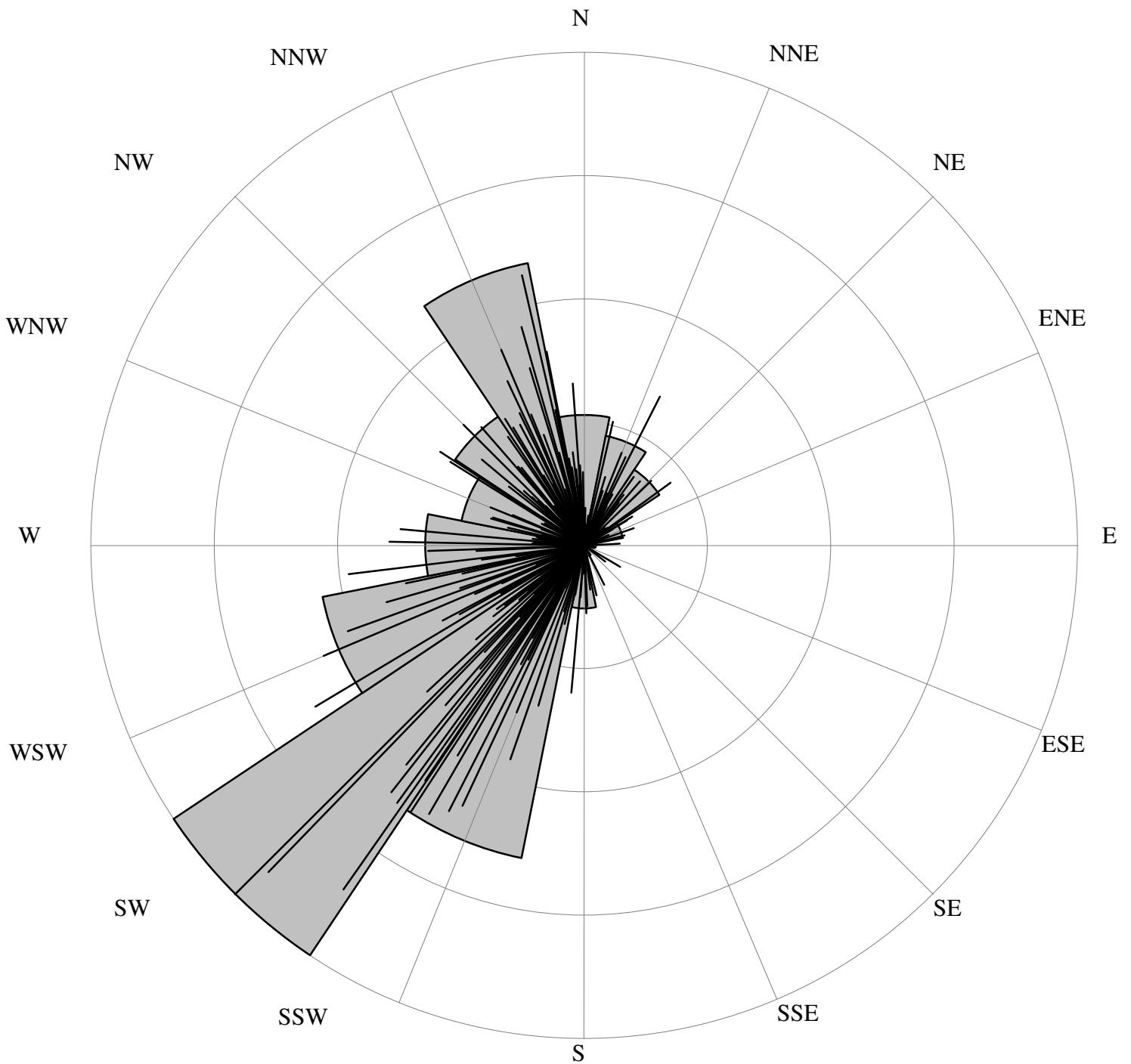
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

HOUR-BY-HOUR DATA

August 2009: Oakland, NJ



Wind Rose: August 2009
Oakland, NJ



Maximum direction of wind: 13.3 miles from 225°
Maximum sector of wind: 113.3 miles from SW
522.2 total miles of wind