

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### July 2008

Station: Oakland, NJ

Latitude: 41° 02' 26" N Longitude: 74° 13' 58" W Elevation (Ground): 272 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
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	83.0	61.3	72.1	72.0	62	74	0	7	.....	0	0.00	0.0	29.89	29.72	29.795	0.3	0.2	283	9	NNW	3	325		
2	83.2	60.1	71.6	70.9	56	66	0	7	.....	0	0.00	0.0	29.94	29.87	29.905	0.6	0.5	271	12	WNW	5	281		
3	88.2	56.7	72.4	71.4	60	70	0	8	.....	0	0.02	0.0	29.94	29.82	29.895	1.0	0.8	238	15	SW	7	345		
4	73.2	66.3	69.8	69.0	66	92	0	5	.....	0	0.24	0.0	29.98	29.92	29.952	0.2	0.1	329	7	WNW	3	314		
5	75.6	65.8	70.7	69.6	67	93	0	6	.....	0	0.52	0.0	30.00	29.94	29.955	0.1	0.1	173	7	S	2	307		
6	79.2	66.6	72.9	71.7	67	87	0	8	.....	0	0.00	0.0	30.04	29.98	30.007	0.2	0.1	189	6	SW	3	187		
7	83.4	69.8	76.6	75.0	69	82	0	12	.....	0	0.00	0.0	30.03	29.92	29.983	0.2	0.2	192	7	S	3	192		
8	87.6	66.3	77.0	76.7	68	76	0	12	.....	0	0.00	0.0	29.95	29.78	29.877	0.5	0.5	229	14	S	4	228		
9	83.4	67.6	75.5	74.8	69	84	0	11	.....	0	0.04	0.0	29.81	29.67	29.740	0.6	0.6	224	12	SW	7	212		
10	83.4	60.9	72.2	73.2	58	62	0	7	.....	0	0.00	0.0	29.97	29.73	29.876	1.0	0.9	306	16	W	6	1		
11	84.9	54.5*	69.7	69.8	58	70	0	5	.....	0	0.00	0.0	30.06	29.97	30.009	0.3	0.2	256	6	SSW	3	222		
12	86.3	62.4	74.4	73.1	62	72	0	9	.....	0	0.00	0.0	30.06	29.97	30.021	0.6	0.6	200	14	SE	6	164		
13	83.8	65.3	74.6	74.6	65	73	0	10	.....	0	0.00	0.0	29.97	29.69	29.819	1.1	1.0	195	17	SSE	7	170		
14	79.6	62.3	70.9	71.5	65	82	0	6	.....	0	0.06	0.0	29.90	29.68	29.785	0.3	0.2	276	9	SSW	4	351		
15	85.5	58.0	71.8	71.2	58	68	0	7	.....	0	0.00	0.0	30.08	29.90	29.988	0.5	0.4	309	10	W	3	215		
16	88.0	56.7	72.4	72.2	60	69	0	8	.....	0	0.00	0.0	30.13	30.03	30.079	0.3	0.2	320	7	W	4	1		
17	89.5	62.0	75.8	74.6	63	71	0	11	.....	0	0.00	0.0	30.09	30.00	30.042	0.3	0.1	313	9	NNW	5	336		
18	92.1	63.4	77.8	78.0	66	69	0	13	.....	0	0.00	0.0	30.01	29.90	29.960	0.5	0.5	264	10	SSW	3	308		
19	92.3	71.3	81.8*	80.7	67	66	0	17	.....	0	0.00	0.0	29.94	29.86	29.902	0.7	0.6	232	11	SSE	5	220		
20	94.0*	68.8	81.4	80.5	67	67	0	17	.....	0	0.00	0.0	29.90	29.73	29.829	0.9	0.9	225	16	SW	6	213		
21	89.0	69.3	79.2	79.2	64	63	0	14	.....	0	0.00	0.0	29.78	29.72	29.755	0.8	0.7	300	12	W	6	289		
22	85.5	66.3	75.9	74.5	67	80	0	11	.....	0	0.12	0.0	29.89	29.78	29.829	0.4	0.2	165	12	SSW	4	189		
23	78.3	68.3	73.3	71.7	70	94	0	8	.....	0	1.04	0.0	29.94	29.83	29.886	0.3	0.3	58	10	S	4	84		
24	80.9	60.9	70.9	71.0	65	84	0	6	.....	0	0.53	0.0	30.02	29.85	29.891	0.6	0.5	217	12	SSE	5	200		
25	83.2	55.9	69.5*	69.4	58	72	0	5	.....	0	0.00	0.0	30.09	30.00	30.038	0.3	0.3	257	7	SW	4	260		
26	85.3	58.9	72.1	72.5	62	72	0	7	.....	0	0.00	0.0	30.02	29.80	29.909	0.7	0.6	226	13	W	4	211		
27	78.8	64.0	71.4	69.2	66	89	0	7	.....	0	0.55	0.0	29.81	29.70	29.764	0.1	0.1	192	9	WNW	4	230		
28	84.1	62.7	73.4	72.2	64	79	0	9	.....	0	0.01	0.0	29.84	29.76	29.794	0.3	0.2	242	10	N	3	227		
29	85.5	62.0	73.8	73.1	63	75	0	9	.....	0	0.00	0.0	29.86	29.79	29.824	0.4	0.4	270	11	W	5	221		
30	83.8	61.8	72.8	73.0	66	81	0	8	.....	0	0.00	0.0	29.83	29.63	29.742	0.1	0.1	158	6	W	2	89		
31	86.5	67.6	77.0	76.3	67	77	0	13	.....	0	0.00	0.0	29.63	29.52	29.569	0.4	0.3	266	9	W	3	315		
Sum	Sum	-----	-----	---	----	Ttl	Ttl	Number of Days		For the month:												---		
2617	1964					0	283			3.13	0.0	30.13	29.52	29.885	0.5	0.3	246	17	SSE	7	170			
Avg	Avg	Avg	Mean	Avg	Avg	----	----	Precip		Season Ttl	Date	Date	-----	----	----	---	Date	Date	Avg					
84.4	63.3	73.9	73.3	64	76.1	----	----	≥.01 inch	10	25.63	0.0	16	31	-----	----	----	---	13	13					
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			0	488	Thunder	0	Precipitation			Snow, Ice Plts											
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	1.31	23-24	0.0	-	0					-							
4	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/m<sup>2</sup> 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

## July 2008: Oakland, NJ

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																		
JUL 01																											
01		29.74	0.00	66	64	94	25	0	0		29.89	0.00	64	60	88	03	1	2		29.94	0.00	59	55	87	22	0	0
04		29.73	0.00	63	62	98	25	0	0		29.87	0.00	63	61	94	09	0	0		29.91	0.00	58	55	90	22	0	0
07		29.77	0.00	63	63	99	25	0	0		29.92	0.00	64	63	97	06	1	2		29.92	0.00	59	57	92	21	0	0
10		29.81	0.00	74	62	65	15	1	4		29.94	0.00	72	59	62	34	2	7		29.91	0.00	75	63	68	18	1	3
13		29.81	0.00	79	60	52	21	0	3		29.93	0.00	80	52	39	30	2	7		29.87	0.00	85	59	42	17	2	13
16		29.80	0.00	81	64	56	31	1	6		29.89	0.00	83	50	32	18	1	9		29.82	0.00	86	57	37	21	2	12
19		29.81	0.00	80	62	54	29	0	6		29.89	0.00	79	50	37	22	0	3		29.87	0.00	75	64	67	17	0	7
22		29.87	0.00	70	61	73	32	0	0		29.91	0.00	64	58	82	22	0	0		29.92	0.00	71	67	88	13	0	0
JUL 02																											
JUL 03																											
JUL 04																											
01		29.95	0.00	68	65	90	20	1	6		29.95	0.06	67	67	99	11	0	2		29.99	0.00	67	67	98	00	0	0
04		29.92	0.00	66	66	98	36	0	0		29.94	0.00	66	66	100	00	0	0		29.99	0.00	67	67	99	00	0	0
07		29.97	0.00	67	67	99	36	0	0		29.95	0.00	67	67	100	00	0	0		30.01	0.00	67	67	99	00	0	0
10		29.98	0.00	68	68	100	32	1	3		29.95	0.00	70	70	100	00	0	0		30.02	0.00	72	67	84	33	0	3
13		29.98	0.00	71	67	87	12	0	0		29.96	0.00	72	68	89	15	0	2		30.03	0.00	74	67	81	24	0	3
16		29.95	0.00	72	65	78	31	0	5		29.95	0.00	74	68	83	18	1	4		30.00	0.00	78	68	72	16	0	4
19		29.94	0.00	72	66	82	35	0	0		29.94	0.00	74	66	76	15	0	3		29.99	0.00	76	68	78	15	0	2
22		29.96	0.00	68	67	97	35	0	0		29.98	0.00	68	67	96	00	0	0		30.01	0.00	72	68	88	20	0	0
JUL 05																											
JUL 06																											
JUL 07																											
01		30.01	0.00	71	68	91	20	0	0		29.95	0.00	69	67	95	22	0	0		29.79	0.00	70	68	91	23	0	0
04		30.00	0.00	70	68	94	20	0	0		29.92	0.00	67	66	98	22	0	0		29.77	0.00	69	68	96	23	0	0
07		30.01	0.00	70	69	95	20	0	0		29.94	0.00	69	68	98	23	0	0		29.78	0.00	69	69	97	22	0	3
10		30.03	0.00	75	68	79	24	1	2		29.92	0.00	78	70	77	22	1	3		29.75	0.00	78	70	77	22	0	2
13		29.99	0.00	80	68	67	14	1	5		29.88	0.00	85	67	55	24	1	7		29.73	0.00	82	70	68	25	2	10
16		29.96	0.00	82	69	65	22	1	4		29.83	0.00	87	65	48	21	2	4		29.69	0.00	82	69	64	22	3	9
19		29.92	0.00	80	71	76	23	0	3		29.79	0.00	84	68	59	16	0	3		29.68	0.00	77	73	89	26	0	1
22		29.95	0.00	72	68	87	22	0	0		29.82	0.00	76	69	78	23	0	0		29.70	0.00	73	71	92	19	0	0
JUL 08																											
JUL 09																											
JUL 10																											
01		29.75	0.00	71	69	93	16	0	0		29.98	0.00	60	56	87	23	0	0		30.05	0.00	64	61	92	31	0	0
04		29.78	0.00	71	65	83	32	0	3		29.99	0.00	56	54	94	23	0	0		30.06	0.00	64	61	90	31	0	0
07		29.86	0.00	65	59	79	25	0	0		30.02	0.00	57	55	96	11	0	0		30.06	0.00	64	61	93	31	0	0
10		29.89	0.00	72	54	53	27	3	13		30.04	0.00	73	56	55	25	0	2		30.05	0.00	74	65	74	28	0	2
13		29.92	0.00	78	54	43	26	2	4		30.01	0.00	81	54	40	30	1	4		30.03	0.00	84	66	54	25	1	7
16		29.90	0.00	82	51	34	35	3	10		29.98	0.00	84	57	40	17	0	3		30.00	0.00	85	62	47	08	4	10
19		29.92	0.00	80	53	39	21	1	5		29.99	0.00	79	65	62	33	0	0		29.97	0.00	80	58	47	07	1	5
22		29.97	0.00	66	58	77	23	0	0		30.04	0.00	69	64	84	31	0	0		29.98	0.00	70	61	73	33	0	0
JUL 11																											
JUL 12																											
JUL 13																											
01		29.96	0.00	65	62	89	33	0	1		29.69	0.00	72	67	85	24	0	0		29.91	0.00	61	60	97	24	0	0
04		29.91	0.00	67	63	87	21	0	1		29.69	0.00	71	68	91	24	0	0		29.92	0.00	59	58	98	24	0	0
07		29.90	0.00	70	66	87	21	0	5											29.97	0.00	60	59	98	15	0	1
10		29.87	0.00	75	65	71	27	2	5		29.78	0.00	68	68	98	02	0	1		30.01	0.00	75	57	54	33	1	6
13		29.81	0.00	83	64	53	15	3	10		29.79	0.00	74	65	73	29	1	4		30.02	0.00	82	56	41	34	1	5
16		29.74	0.00	83	65	54	14	3	9		29.79	0.00	79	59	51	21	1	7		30.00	0.00	85	53	34	22	1	5
19		29.70	0.00	79	67	67	21	2	5		29.82	0.00	74	65	73	24	0	1		30.00	0.00	80	60	50	32	0	3
22		29.72	0.00	73	66	79	24	0	0		29.88	0.00	65	63	93	24	0	0		30.06	0.00	67	61	82	32	0	0
JUL 14																											
JUL 15																											
JUL 16																											
01		30.07	0.00	61	57	88	32	0	0		30.07	0.00	65	62	88	30	0	0		30.00	0.00	67	63	88	18	0	0
04		30.07	0.00	58	57	95	32	0	0		30.05	0.00	63	60	92	30	0	0		29.98	0.00	64	62	93	18	0	0
07		30.11	0.00	59	58	97	32	0	0		30.08	0.00	64	62	94	30	0	0		30.00	0.00	64	63	96	18	0	0
10		30.12	0.00	75	62	64	00	0	1		30.08	0.00	79	64	62	02	1	2		29.99	0.00	79	67	67	22	0	1
13		30.10	0.00	84	57	40	22	1	4		30.05	0.00	87	63	45	32	1	3		29.96	0.00	88	68	51	29	1	6
16		30.06	0.00	87	57	37	29	2	4		30.01	0.00	86	67	54	23	0	2		29.92	0.00	91	66	45	31	1	7
19		30.03	0.00	82	64	54	30	0	0		30.00	0.00	80	67	65	07	0	0		29.90	0.00	89	66	47	22	1	3
22		30.07	0.00	71	65	82	30	0	1		30.01	0.00	73	65	76	18	0	0		29.93	0.00	79	70	73	25	0	0
JUL 17																											
JUL 18																											

## MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.15	0.21	0.27	0.31	0.36	0.41	0.44	0.45	0.45	0.45	0.48	0.51
Ended: Date	27	05	05	05	05	05	05	05	05	05	23	23
Ended: Time	1552	0046	0051	0053	0054	0110	0117	0117	0117	0117	2323	2333

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

July 2008: Oakland, NJ

Hour	JUL 19									JUL 20									JUL 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		29.92	0.00	76	71	85	25	0	0		29.90	0.00	72	67	86	23	0	0		29.76	0.00	76	69	78	19	0	2
04		29.90	0.00	72	69	89	25	0	0		29.89	0.00	69	67	91	23	0	0		29.74	0.00	73	67	80	28	0	0
07		29.92	0.00	73	68	84	25	0	2		29.89	0.00	69	67	95	23	0	0		29.76	0.00	70	67	89	28	0	0
10		29.93	0.00	82	70	67	24	1	2		29.88	0.00	82	72	72	24	1	5		29.76	0.00	78	66	66	23	2	3
13		29.91	0.00	88	69	53	22	1	5		29.84	0.00	89	66	47	20	1	5		29.76	0.00	83	64	52	32	2	10
16		29.87	0.00	92	61	36	20	2	7		29.77	0.00	93	64	38	21	2	6		29.75	0.00	88	61	40	33	0	10
19		29.87	0.00	89	63	43	23	2	5		29.73	0.00	89	65	45	20	1	11		29.73	0.00	87	56	36	31	2	6
22		29.89	0.00	76	67	74	23	0	0		29.76	0.00	82	67	61	22	0	1		29.77	0.00	80	63	55	29	1	4
JUL 22									JUL 23									JUL 24									
01		29.78	0.00	71	63	77	32	0	1		29.89	0.00	71	70	98	17	0	1		29.88	0.07	68	68	99	26	0	0
04		29.79	0.00	69	64	83	32	0	0		29.90	0.00	71	70	98	16	0	1		29.86	0.06	68	68	99	26	0	0
07		29.84	0.00	68	64	87	32	0	1		29.89	0.12	70	70	99	09	0	2		29.87	0.27	68	68	99	04	1	3
10		29.86	0.00	73	67	82	08	0	1		29.92	0.00	72	72	98	35	0	1		29.86	0.00	69	69	100	13	0	4
13		29.84	0.00	83	67	58	15	2	5		29.89	0.00	78	71	79	07	4	6		29.87	0.00	76	69	81	22	1	5
16		29.81	0.00	82	69	65	16	1	6		29.86	0.00	75	69	83	02	0	3		29.87	0.00	80	62	54	22	1	4
19		29.84	0.00	74	73	94	17	0	0		29.87	0.50	72	72	98	30	1	4		29.91	0.00	77	61	57	24	0	2
22		29.88	0.00	72	71	98	17	0	0		29.86	0.00	69	68	98	32	0	1		29.99	0.00	64	60	86	23	0	0
JUL 25									JUL 26									JUL 27									
01		30.01	0.00	60	58	96	23	0	0		30.01	0.00	62	60	95	30	0	0		29.80	0.00	70	58	65	25	0	0
04		30.03	0.00	58	57	97	23	0	0		29.99	0.00	60	59	97	30	0	0		29.77	0.00	66	59	79	22	0	0
07		30.07	0.00	57	57	99	23	0	0		29.99	0.00	60	59	98	30	0	0		29.76	0.00	65	64	98	25	0	1
10		30.08	0.00	73	61	66	26	1	5		29.95	0.00	76	63	65	14	1	3		29.80	0.00	70	68	95	25	0	1
13		30.05	0.00	81	58	46	34	2	5		29.91	0.00	83	62	50	21	3	7		29.74	0.00	77	69	77	10	0	2
16		30.03	0.00	83	57	41	00	1	3		29.84	0.00	84	64	51	25	0	9		29.72	0.20	72	70	93	02	0	5
19		30.01	0.00	79	59	50	31	0	1		29.80	0.00	81	65	58	21	2	13		29.73	0.00	69	68	98	21	0	0
22		30.02	0.00	66	62	88	30	0	0		29.81	0.00	76	61	61	22	1	5		29.78	0.00	67	67	99	21	0	0
JUL 28									JUL 29									JUL 30									
01		29.79	0.00	67	67	99	21	0	0		29.84	0.00	65	63	95	22	0	0		29.83	0.00	66	64	93	27	0	0
04		29.77	0.00	66	66	100	22	0	1		29.82	0.00	63	62	97	22	0	0		29.81	0.00	63	62	97	27	0	0
07		29.80	0.00	63	63	100	22	0	0		29.84	0.00	64	63	98	22	0	1		29.81	0.00	62	62	98	27	0	0
10		29.81	0.00	72	65	81	22	0	2		29.85	0.00	77	64	65	25	0	3		29.79	0.00	74	65	73	34	0	3
13		29.81	0.00	81	64	57	19	1	3		29.83	0.00	82	62	50	30	1	4		29.75	0.00	81	65	59	23	0	3
16		29.78	0.00	82	62	51	01	2	5		29.80	0.00	82	62	50	26	0	5		29.69	0.00	82	69	64	10	0	3
19		29.77	0.00	79	64	60	22	0	2		29.80	0.00	80	68	67	27	0	0		29.65	0.00	80	70	73	08	0	2
22		29.82	0.00	68	64	86	22	0	0		29.81	0.00	69	66	89	27	0	0		29.64	0.00	75	70	85	14	0	0
JUL 31																											
01		29.62	0.00	72	70	92	14	0	0																		
04		29.58	0.00	70	69	94	14	0	0																		
07		29.59	0.00	68	67	98	14	0	1																		
10		29.58	0.00	79	67	67	33	0	3																		
13		29.56	0.00	83	66	57	22	0	3																		
16		29.53	0.00	86	68	54	24	1	5																		
19		29.52	0.00	83	64	53	19	1	2																		
22		29.57	0.00	71	67	89	21	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

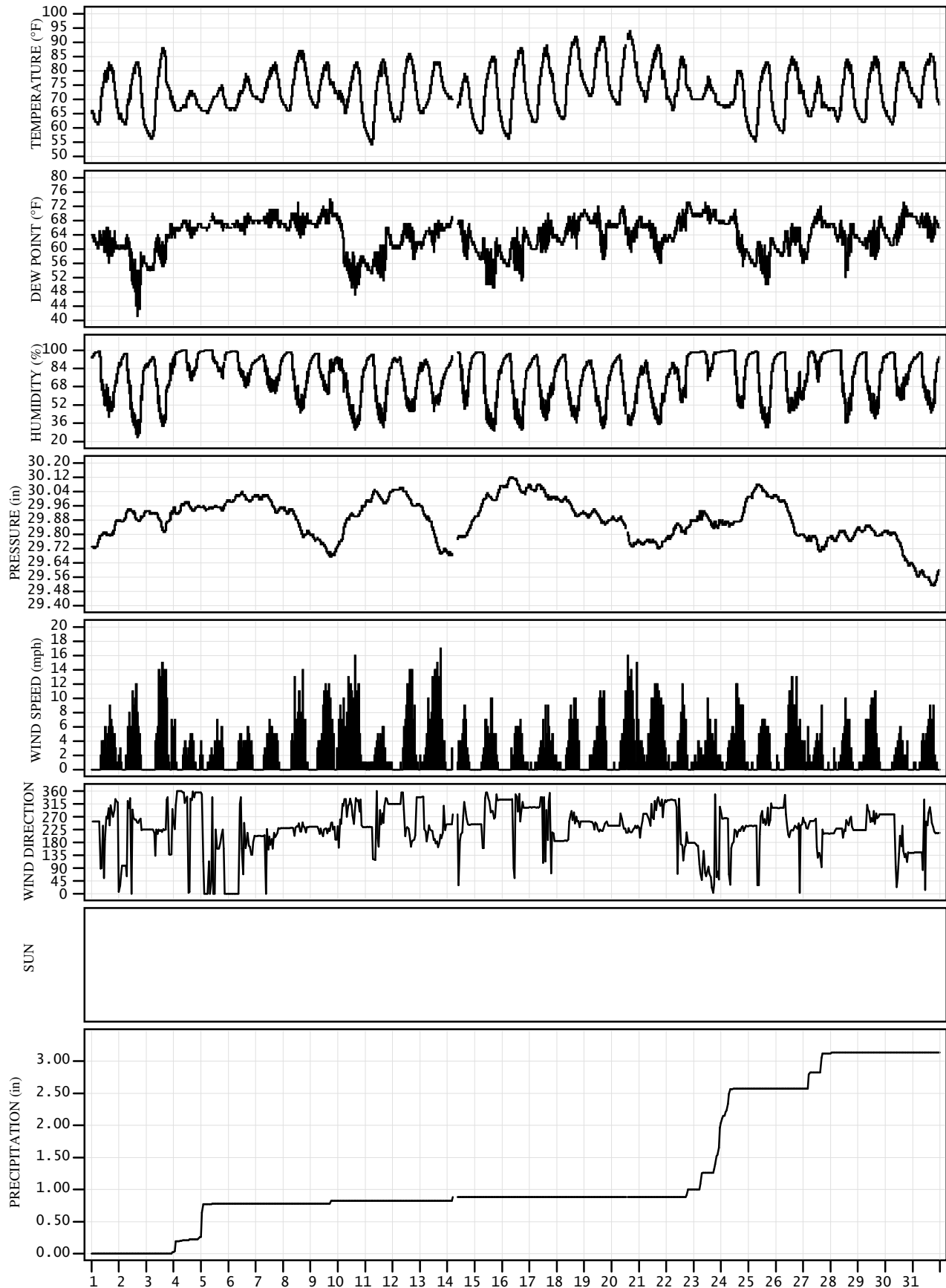
Hour	Averages						Resultant Wind	
	Sunshine	Pressure	Temperature	Dew Point	Humidity	Wind Speed	Direction	Speed
01		29.895	67	64	90	0.1	17	0.0
04		29.882	66	63	93	0.0	31	0.0
07		29.910	65	64	95	0.1	6	0.0
10		29.910	74	65	74	0.6	26	0.3
13		29.892	81	64	58	1.2	25	0.4
16		29.858	83	63	53	1.2	22	0.4
19		29.851	79	65	63	0.5	23	0.3
22		29.883	71	65	83	0.1	26	0.1

## HOURLY PRECIPITATION (Water Equivalent) July 2008: Oakland, NJ

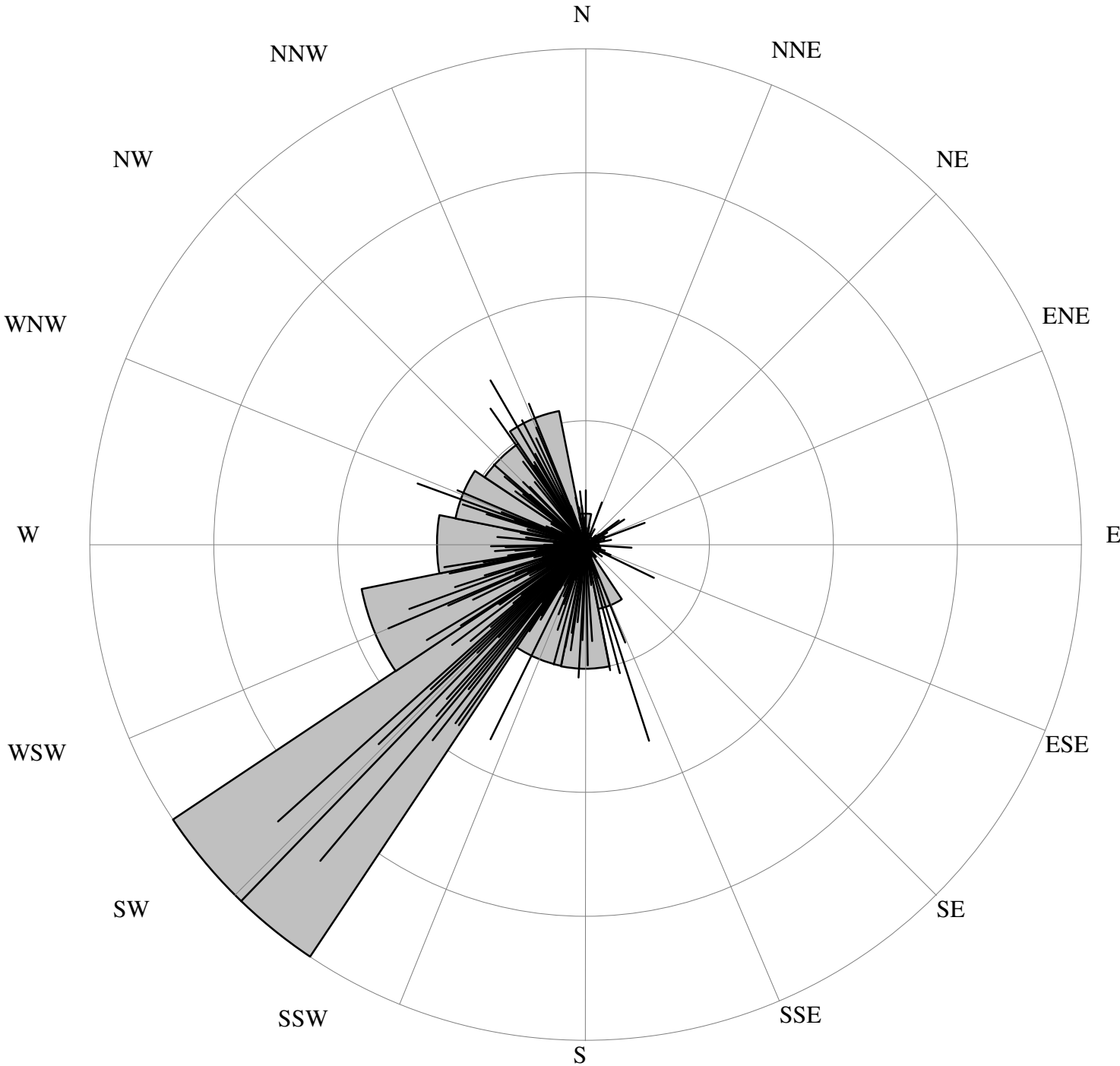
Date	A.M. Hour Ending at												P.M. Hour Ending at												Date
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	
01																								01	
02																									02
03																									03
04	0.02	0.15				0.01		0.01						0.01							0.02	0.02			04
05	0.38	0.13								0.01															05
06																									06
07																									07
08																									08
09																		0.04							09
10																									10
11																									11
12																									12
13																									13
14					0.06																				14
15																									15
16																									16
17																									17
18																									18
19																									19
20																									20
21																									21
22																	0.03	0.09							22
23						0.09	0.16	0.01								0.06	0.07	0.13	0.02	0.11	0.31	0.08			23
24	0.07	0.04		0.06	0.02	0.10	0.16	0.07		0.01															24
25																									25
26																									26
27					0.22	0.03									0.23	0.07									27
28	0.01																								28
29																									29
30																									30
31																									31
Sum	0.48	0.32	0.00	0.06	0.30	0.23	0.32	0.09	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.23	0.07	0.13	0.16	0.13	0.02	0.13	0.35	0.08	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  
July 2008: Oakland, NJ



Wind Rose: July 2008  
Oakland, NJ



Maximum direction of wind: 11.6 miles from 224°  
Maximum sector of wind: 102.2 miles from SW  
346.7 total miles of wind