

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

January 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	Dir		Speed	Dir	Speed	Dir
1	2	3	4A	4B	5	6	7	8	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
1	24.4	12.1	18.3	17.3	3	53	47	0	.....	0	0.03	0.0	30.30	29.99	30.206	3.5	3.2	327	28	W	13	327	
2	30.7	16.7	23.7	23.8	18	78	41	0	.....	0	0.00	T	30.21	29.74	29.914	0.9	0.9	226	16	W	10	258	
3	36.9	20.5	28.7	30.1	16	57	36	0	.....	0	0.03	0.0	30.08	29.74	29.969	3.6	3.5	295	24	WNW	13	302	
4	40.2	22.8	31.5	29.5	16	57	33	0	.....	0	0.01	0.0	30.11	29.95	30.060	1.7	0.9	286	20	W	12	288	
5	41.3	30.7	36.0*	36.3	26	67	29	0	.....	0	0.03	0.0	30.02	29.91	29.950	1.5	1.1	297	20	NNW	8	289	
6	33.9	27.2	30.6	29.9	12	51	34	0	...4.6...	0	0.01	T	30.09	29.81	29.998	0.6	0.3	44	11	W	5	353		
7	34.0	28.8	31.4	32.0	31	95	33	0	...6...	0	0.00	0.0	29.81	29.10	29.367	1.1	0.4	41	30	SSW	11	231		
8	35.8	25.6	30.7	32.3	24	71	34	0	.....	0	0.01	T	29.71	29.17	29.450	6.0	5.7	248	30	WSW	18	231	
9	30.4	22.5	26.4	25.7	14	62	38	0	.....	0	0.00	0.0	30.25	29.71	30.001	3.3	3.2	289	30	NW	14	271	
10	25.3	17.6	21.4	21.8	17	81	43	0	.....	0	0.00	3.0	30.32	29.91	30.200	0.6	0.3	41	9	E	3	70	
11	30.2	17.6	23.9	24.3	19	82	41	0	.....	0	0.07	0.0	30.04	29.76	29.903	1.6	1.4	345	21	N	9	347	
12	31.2	16.4	23.8	22.5	15	73	41	0	.....	0	0.10	0.0	30.33	30.00	30.171	1.3	1.1	317	15	N	7	3	
13	37.4	14.5	26.0	25.4	21	85	39	0	.....	0	0.06	0.0	30.31	29.73	30.036	0.4	0.4	233	12	SW	7	219	
14	32.2	12.9	22.6	18.7	4	52	42	0	.....	0	0.01	0.0	30.17	29.73	30.058	2.7	2.6	318	29	NNW	12	342	
15	18.8	2.8	10.8	13.6	6	71	54	0	.....	0	0.00	1.0	30.41	30.10	30.238	1.1	1.0	0	14	NNW	7	342	
16	15.8	-1.1	7.4	7.9	-4	60	57	0	.....	0	0.00	0.0	30.56	30.41	30.488	2.1	2.0	278	20	W	12	279	
17	17.9	-3.3*	7.3*	10.2	-4	54	57	0	.....	0	0.00	0.0	30.58	30.27	30.473	1.1	0.9	221	12	SW	8	220	
18	31.5	17.8	24.6	24.1	19	82	40	0	.....	0	0.04	2.7	30.27	29.72	29.959	0.3	0.2	72	7	ESE	4	115	
19	34.4	13.6	24.0	24.1	20	85	41	0	.....	0	0.07	0.3	29.73	29.61	29.667	0.5	0.5	226	11	SW	7	219	
20	28.2	14.2	21.2	21.5	11	64	44	0	.....	0	0.01	0.0	29.79	29.64	29.701	1.9	1.7	354	16	NE	10	355	
21	24.4	12.8	18.6	19.0	6	57	46	0	.....	0	0.00	0.0	29.97	29.78	29.905	2.2	1.5	288	18	NNW	9	272	
22	33.7	6.9	20.3	20.7	13	73	44	0	.....	0	0.00	0.0	30.03	29.95	29.989	1.7	1.7	246	20	SW	12	256	
23	45.3*	12.8	29.0	28.6	21	75	36	0	.....	0	0.06	0.0	30.08	29.71	29.924	0.5	0.4	214	13	SW	8	206	
24	44.0	12.8	28.4	28.5	12	50	36	0	.....	0	0.00	0.0	30.31	29.71	30.029	4.1	4.0	323	24	WNW	14	352	
25	25.7	5.2	15.5	16.7	2	53	49	0	.....	0	0.00	0.0	30.36	30.26	30.320	1.9	1.7	242	16	SW	9	224	
26	28.6	12.1	20.4	20.4	6	55	44	0	.....	0	0.00	0.0	30.46	30.36	30.400	0.8	0.6	276	12	SW	7	209	
27	28.6	23.0	25.8	25.1	9	50	39	0	.....	0	0.00	0.0	30.52	30.38	30.440	1.0	0.9	342	12	NNW	6	356	
28	38.7	22.2	30.5	29.5	26	87	34	0	...4.6...	0	0.87	3.3	30.38	29.49	29.889	2.1	1.0	276	33	NNW	16	334		
29	33.0	17.2	25.1	26.9	15	62	40	0	.....	0	0.16	0.0	29.98	29.72	29.914	2.7	2.4	290	25	WNW	11	272	
30	32.8	12.4	22.6	23.6	17	78	42	0	.....	0	0.01	0.0	29.96	29.84	29.902	1.7	1.4	247	20	W	10	271	
31	26.3	15.4	20.8	21.7	7	54	44	0	.....	0	0.00	T	30.06	29.88	29.975	3.1	2.8	284	25	WNW	13	297	
Sum	Sum	-----	-----	---	----	Ttl	Ttl	Number of Days		For the month:												---		
972	483					1278	0			1.58	10.3	30.58	29.10	30.016	1.9	1.2	292	33	NNW	18	231			
Avg	Avg	Avg	Mean	Avg	Avg	----	----	Precip		Season Ttl		Date	Date	-----	----	----	---	Date	Date	Avg				
31.3	15.6	23.5	23.6	13	66.8	----	----	≥.01 inch	17	1.58	26.1	17	7	-----	----	----	---	28	8					
Number of Days						Season to Date	Snow, Ice ≥1.0 inch	4	Greatest in 24 Hours and Dates						Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date									
Max Temperature			Min Temperature			3505	0	Thunder	0	Precipitation			Snow, Ice Plts											
≥ 90°F	≤ 32°F	≤ 32°F	≤ 0°F	----	----	Heavy Fog	0	0.87	28	3.3	28	0						-						
0	17	31	2	----	----	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

January 2009: Oakland, NJ

Hour	Wind									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	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																																																																																																																																																																																								
JAN 01																											JAN 02																											JAN 03																																																																																																																																																																									
01		30.00	0.00	15	4	61	34	3	11		30.19	0.00	18	9	67	19	0	0		29.76	0.00	21	19	92	25	1	4	04		30.08	0.00	14	4	64	31	4	15		30.10	0.00	18	11	75	19	0	1		29.86	0.00	29	17	59	24	0	7	07		30.20	0.00	12	-0	56	34	6	18		30.02	0.00	19	13	75	20	0	0		29.95	0.00	28	16	60	23	2	7	10		30.29	0.00	16	1	53	04	4	21		29.95	0.00	26	15	64	22	0	2		30.00	0.00	32	18	55	33	4	10	13		30.24	0.00	22	1	39	35	4	11		29.84	0.00	28	23	82	21	5	11		29.98	0.00	36	17	46	25	5	23	16		30.27	0.00	23	0	36	31	3	9		29.78	0.00	30	25	80	22	1	3		30.02	0.00	34	15	46	31	2	17	19		30.27	0.00	18	4	54	17	1	2		29.76	0.00	26	23	90	21	0	2		30.06	0.00	30	14	51	02	1	11	22		30.24	0.00	16	7	67	28	0	2		29.74	0.00	25	23	92	21	0	1		30.07	0.00	28	13	54	29	5	12
JAN 04																											JAN 05																											JAN 06																																																																																																																																																																									
01		30.07	0.00	25	10	54	19	2	13		29.95	0.00	34	24	65	22	0	3		30.01	0.00	33	4	29	34	1	11	04		30.08	0.00	23	11	60	26	1	5		29.92	0.00	34	29	82	18	2	4		30.04	0.00	31	4	32	05	2	7	07		30.09	0.00	23	11	60	31	6	18		29.92	0.00	36	28	74	22	2	6		30.05	0.00	28	8	43	03	0	1	10		30.10	0.00	28	13	53	00	5	13		29.96	0.00	40	32	75	34	5	10		30.08	0.00	30	7	37	25	0	1	13		30.05	0.00	37	15	41	25	0	6		29.93	0.00	41	29	62	31	1	9		30.00	0.00	32	10	40	11	3	5	16		30.04	0.00	40	17	39	22	0	7		29.92	0.00	40	26	56	27	3	6		29.99	0.00	31	11	43	06	0	1	19		30.05	0.00	29	20	69	29	0	0		29.97	0.00	31	26	81	21	0	0		29.96	0.00	28	21	74	04	0	2	22		30.01	0.00	32	22	67	18	0	0		30.00	0.00	37	14	39	33	0	5		29.90	0.00	27	25	91	00	0	3
JAN 07																											JAN 08																											JAN 09																																																																																																																																																																									
01		29.75	0.00	29	27	92	02	2	6		29.21	0.00	35	29	80	22	2	15		29.74	0.00	25	14	62	28	8	16	04		29.63	0.00	31	29	94	35	1	4		29.29	0.00	34	27	77	21	7	17		29.81	0.00	24	14	65	27	3	11	07		29.52	0.00	32	31	95	04	1	6		29.37	0.00	33	27	78	22	6	15		29.91	0.00	23	13	66	29	2	6	10		29.41	0.00	32	31	95	03	1	5		29.43	0.00	35	27	71	25	10	22		30.01	0.00	27	15	60	33	3	12	13		29.25	0.00	32	31	95	02	0	0		29.44	0.00	34	24	67	24	12	24		30.00	0.00	30	15	55	34	4	21	16		29.17	0.00	33	31	95	34	0	1		29.50	0.00	32	20	60	25	7	15		30.09	0.00	29	15	56	30	6	22	19		29.14	0.00	32	31	95	13	0	1		29.59	0.00	29	19	65	23	10	18		30.16	0.00	27	14	59	34	0	5	22		29.14	0.00	33	32	96	22	2	5		29.68	0.00	27	22	79	32	1	4		30.22	0.00	24	13	63	28	0	5
JAN 10																											JAN 11																											JAN 12																																																																																																																																																																									
01		30.25	0.00	21	13	71	19	0	1		29.86	0.00	23	21	92	02	1	6		30.00	0.00	20	15	81	00	1	4	04		30.29	0.00	18	13	81	23	1	3		29.77	0.00	25	24	93	05	0	3		30.02	0.00	21	15	79	32	2	5	07		30.30	0.00	19	14	82	06	0	1		29.79	0.00	22	19	88	00	0	3		30.10	0.00	17	12	80	25	1	5	10		30.31	0.00	24	14	66	35	0	2		29.90	0.00	23	20	88	25	3	11		30.18	0.00	24	14	67	31	3	12	13		30.23	0.00	25	18	75	33	0	3		29.92	0.00	29	21	72	35	3	16		30.17	0.00	30	16	56	30	4	11	16		30.17	0.00	23	19	86	05	1	4		29.96	0.00	28	18	66	34	4	6		30.24	0.00	30	16	55	29	2	7	19		30.12	0.00	22	19	90	03	1	4		29.99	0.00	24	17	74	28	1	7		30.27	0.00	22	16	77	22	0	1	22		30.00	0.00	22	20	91	03	1	5		30.03	0.00	20	15	81	35	0	1		30.30	0.00	17	14	88	12	0	0
JAN 13																											JAN 14																											JAN 15																																																																																																																																																																									
01		30.29	0.00	17	14	89	12	0	0		29.76	0.00	32	21	64	33	7	20		30.16	0.00	16	7	68	03	1	3	04		30.27	0.00	17	14	90	12	0	0		29.91	0.00	20	7	55	33	4	14		30.10	0.00	15	10	80	03	2	7	07		30.22	0.00	15	12	90	12	0	0		30.04	0.00	14	0	54	34	4	12		30.15	0.00	14	9	81	35	1	4	10		30.15	0.00	24	20	84	04	0	1		30.15	0.00	16	-1	48	29	4	14		30.22	0.00	14	7	74	04	2	6	13		30.01	0.00	35	27	71	23	1	4		30.11	0.00	19	1	45	28	4	12		30.21	0.00	18	7	60	34	3	8	16		29.89	0.00	36	29	76	25	0	2		30.12	0.00	19	-0	42	28	3	6		30.25	0.00	17	8	66	02	0	3	19		29.81	0.00	32	28	88	33	0	0		30.17	0.00	18	1	48	28	3	9		30.37	0.00	14	1	56	31	0	3	22		29.75	0.00	30	28	92	33	0	1		30.16	0.00	17	3	54	04	0	1		30.40	0.00	4	-1	80	32	0	0
JAN 16																											JAN 17																											JAN 18																																																																																																																																																																									
01		30.41	0.00	2	-1	85	32	0	0		30.56	0.00	5	-7	55	24	3	6		30.23	0.00	18	7	62	20	2	4	04		30.42	0.00	-1	-4	84	32	0	0		30.56	0.00	4	-8	57	29	1	6		30.14	0.00	18	12	78	02	0	3	07		30.48	0.00	6	-1	72	24	1	2		30.56	0.00	-2	-8	77	16	0	1		30.08	0.00	18	15	88	04	0	2	10		30.53	0.00	11	-2	55	35	5	17		30.57	0.00	9	-5	54	26	1	3		30.03	0.00	23	19	87	00	0	2	13		30.47	0.00	14	-4	44	27	3	15		30.47	0.00	16	-2	44	24	3	7		29.89	0.00	29	23	79	13	0	3	16		30.48	0.00	14	-5	41	24	5	17		30.42	0.00	16	-2	44	16	1	5		29.83	0.00	30	23	76	06	2	4	19		30.54	0.00	10	-6	47	24	1	6		30.39	0.00	16	-1	47	22	2	5		29.82	0.00	28	26	92	06	0	1	22		30.55	0.00	7	-6	53	26	4	13		30.34	0.00	16	3	54	28	0	3		29.76	0.00	27	26	93	05	0	0

MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.03	0.05	0.06	0.08	0.12	0.16	0.20	0.25	0.30	0.34	0.40	0.43
Ended: Date	28	28	28	28	28	28	28	28	28	28	28	28
Ended: Time	1149	1154	1149	1156	1208	1208	1214	1229	1229	1229	1240	1305

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

January 2009: Oakland, NJ

Hour	JAN 19									JAN 20									JAN 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		29.71	0.00	24	22	92	05	0	0		29.67	0.00	21	14	75	35	0	4		29.79	0.00	16	6	64	10	1	6
04		29.69	0.00	16	14	91	33	0	0		29.66	0.00	20	11	66	32	1	7		29.83	0.00	15	7	68	30	1	5
07		29.70	0.00	15	13	91	23	0	1		29.67	0.00	15	9	76	06	0	3		29.89	0.00	15	7	69	31	3	11
10		29.70	0.00	25	22	91	22	0	2		29.74	0.00	21	11	63	02	2	6		29.95	0.00	19	6	57	32	2	7
13		29.62	0.00	33	19	57	31	1	5		29.67	0.00	27	10	49	34	7	10		29.91	0.00	24	5	44	27	6	16
16		29.62	0.00	30	25	80	20	1	5		29.65	0.00	27	12	52	35	4	14		29.92	0.00	24	4	42	28	5	11
19		29.64	0.00	28	25	89	29	0	1		29.73	0.00	23	11	60	35	4	11		29.95	0.00	21	5	50	25	1	3
22		29.66	0.00	24	22	90	24	0	2		29.79	0.00	18	9	66	29	0	3		29.96	0.00	19	6	58	21	2	5
JAN 22									JAN 23									JAN 24									
01		29.97	0.00	13	6	74	21	0	2		30.04	0.00	16	13	90	22	0	0		29.71	0.00	36	28	72	21	1	2
04		29.99	0.00	10	6	83	23	0	1		30.05	0.00	15	12	90	22	0	0		29.79	0.00	41	19	60	31	9	14
07		30.00	0.00	7	4	87	23	0	0		30.05	0.00	13	10	89	22	0	0		29.90	0.00	35	19	52	28	4	11
10		30.00	0.00	27	16	63	21	6	11		30.05	0.00	26	21	81	21	0	1		30.02	0.00	31	18	58	32	5	20
13		29.95	0.00	31	17	56	26	10	16		29.92	0.00	42	24	48	21	3	6		30.05	0.00	29	8	40	30	4	13
16		29.97	0.00	33	19	55	26	4	12		29.83	0.00	44	26	50	10	1	5		30.13	0.00	25	2	37	29	8	16
19		30.00	0.00	25	18	76	22	0	0		29.77	0.00	34	29	79	03	0	0		30.23	0.00	20	2	45	29	2	13
22		30.02	0.00	20	16	86	22	0	0		29.72	0.00	35	29	79	23	0	2		30.29	0.00	15	-2	46	33	3	15
JAN 25									JAN 26									JAN 27									
01		30.32	0.00	12	-3	51	34	3	10		30.37	0.00	15	7	69	24	0	1		30.41	0.00	24	6	46	31	1	7
04		30.34	0.00	10	-2	58	20	0	1		30.39	0.00	16	7	66	06	1	4		30.41	0.00	24	11	57	25	0	1
07		30.32	0.00	6	-1	75	23	0	0		30.42	0.00	13	6	71	02	0	1		30.46	0.00	23	11	58	28	1	5
10		30.35	0.00	15	2	55	21	5	9		30.46	0.00	20	6	54	35	2	3		30.52	0.00	24	6	47	34	4	9
13		30.27	0.00	24	1	37	20	3	14		30.38	0.00	27	4	36	24	6	11		30.45	0.00	26	8	46	28	0	5
16		30.27	0.00	25	3	39	23	4	12		30.36	0.00	28	2	32	24	2	6		30.43	0.00	28	8	42	33	2	5
19		30.31	0.00	24	6	47	27	2	10		30.39	0.00	23	5	45	28	0	1		30.43	0.00	26	11	53	11	1	3
22		30.35	0.00	19	6	57	28	2	5		30.40	0.00	21	10	61	32	0	2		30.41	0.00	26	11	53	05	0	1
JAN 28									JAN 29									JAN 30									
01		30.37	0.00	24	16	69	17	1	5		29.78	0.00	30	17	57	28	8	16		29.95	0.00	16	13	88	25	0	0
04		30.27	0.00	22	20	89	03	0	1		29.86	0.00	26	14	60	29	4	13		29.94	0.00	14	11	90	30	0	0
07		30.16	0.00	23	20	91	05	2	5		29.93	0.00	24	13	64	30	7	16		29.94	0.00	14	11	89	30	0	0
10		30.00	0.00	28	26	93	01	1	3		29.98	0.00	26	14	60	35	2	8		29.94	0.00	27	20	74	20	1	2
13		29.73	0.09	32	31	94	05	0	0		29.93	0.04	32	15	49	22	5	13		29.88	0.00	31	23	73	20	3	11
16		29.54	0.08	32	31	95	06	0	2		29.92	0.00	32	16	50	26	3	7		29.85	0.00	33	23	68	24	1	6
19		29.50	0.00	36	35	96	23	2	9		29.94	0.00	27	17	66	23	1	5		29.84	0.00	26	21	83	19	0	0
22		29.61	0.04	38	30	72	25	6	15		29.94	0.00	22	16	79	24	0	1		29.87	0.00	27	13	57	28	7	20
JAN 31																											
01		29.89	0.00	22	11	62	30	3	17																		
04		29.92	0.00	19	9	65	19	1	6																		
07		29.95	0.00	17	8	68	20	1	8																		
10		29.99	0.00	21	8	56	29	4	15																		
13		29.95	0.00	24	5	42	34	7	16																		
16		29.98	0.00	25	5	42	27	7	15																		
19		30.04	0.00	23	6	48	25	2	6																		
22		30.05	0.00	23	7	49	23	3	10																		

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

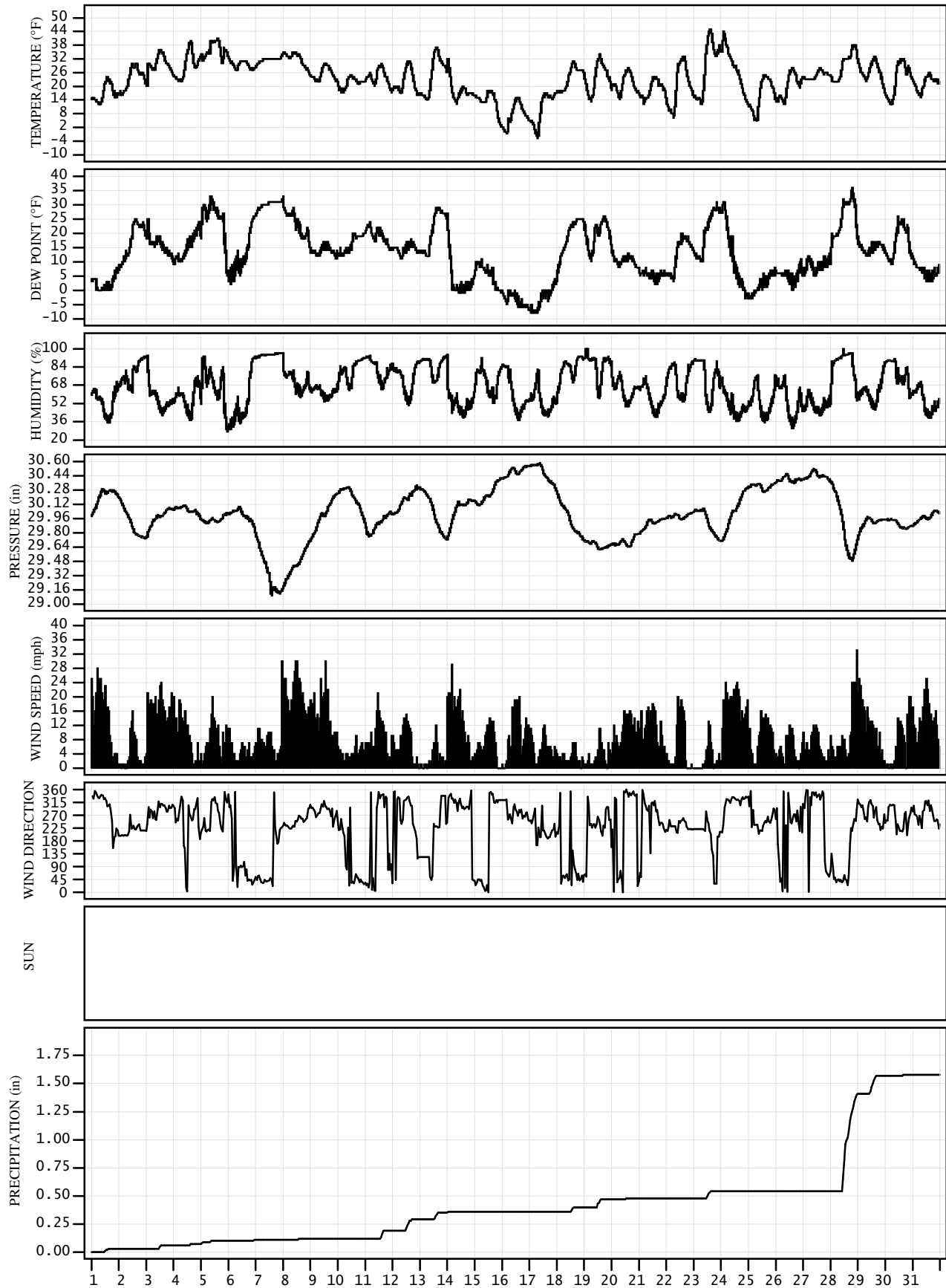
Hour	Averages						Resultant Wind	
	Sunshine	Pressure	Temperature	Dew Point	Humidity	Wind Speed	Direction	Speed
01		30.005	21	12	70	1.6	30	1.0
04		30.014	20	12	73	1.6	30	0.9
07		30.037	19	11	74	1.7	30	1.1
10		30.064	24	14	66	2.7	31	1.6
13		29.997	29	14	56	3.5	27	2.2
16		29.988	29	14	56	2.6	28	1.9
19		30.008	25	15	68	1.2	26	0.7
22		30.011	23	14	71	1.2	28	1.0

HOURLY PRECIPITATION (Water Equivalent) January 2009: Oakland, NJ

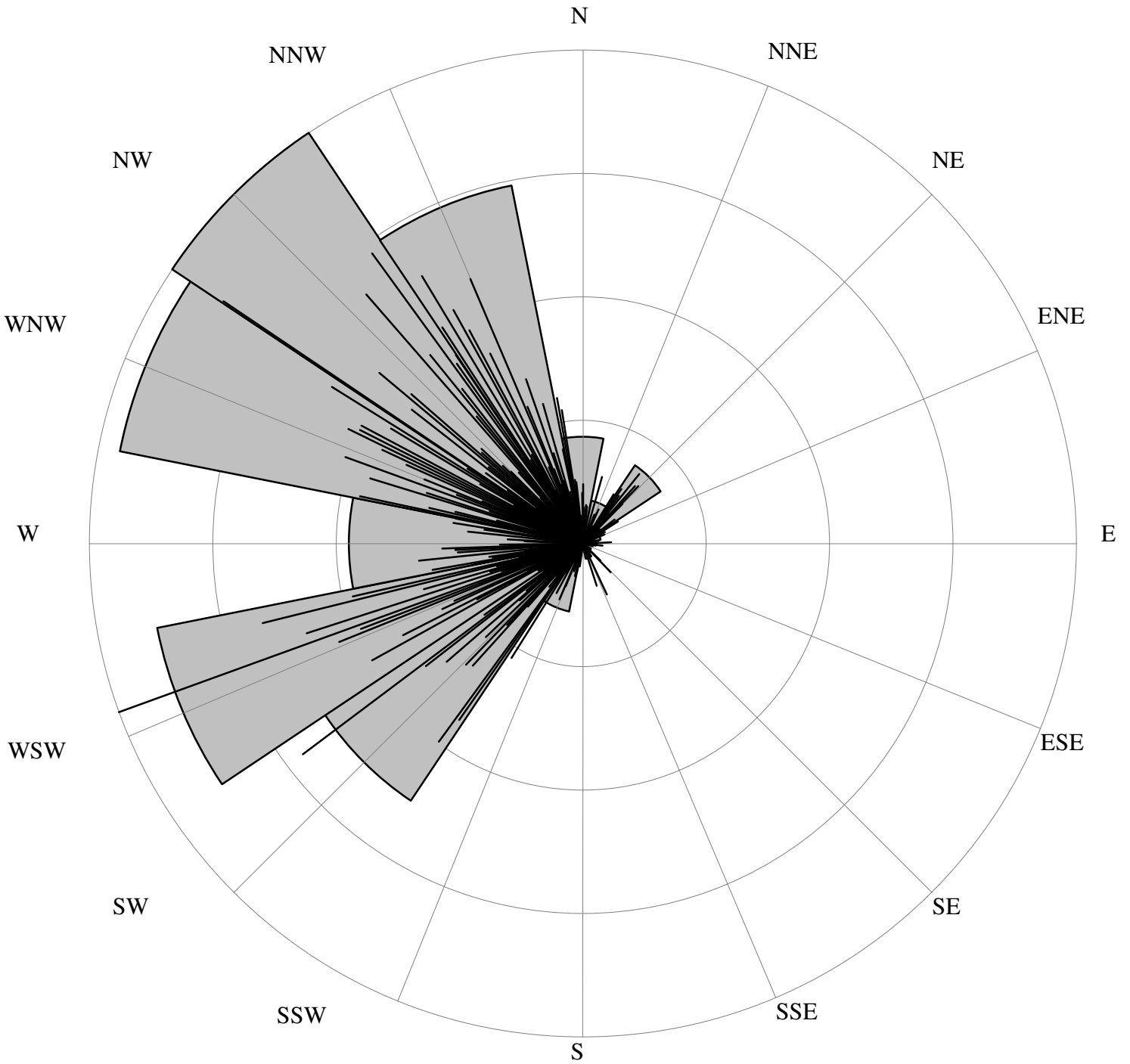
Date	A.M. Hour Ending at												P.M. Hour Ending at												Date	
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12		
01												0.01	0.01		0.01										01	
02																									02	
03												0.02	0.01												03	
04															0.01										04	
05	0.01	0.01								0.01															05	
06																							0.01		06	
07																									07	
08														0.01											08	
09																									09	
10																									10	
11															0.01	0.04	0.02								11	
12												0.02	0.02	0.03	0.02		0.01								12	
13													0.01	0.02	0.02	0.01									13	
14	0.01																								14	
15																									15	
16																									16	
17																									17	
18													0.01	0.02	0.01										18	
19												0.03	0.01	0.02	0.01										19	
20													0.01												20	
21																									21	
22																									22	
23												0.02	0.02	0.01	0.01										23	
24																									24	
25																									25	
26																									26	
27																									27	
28												0.11	0.18	0.13	0.03	0.03	0.05	0.10	0.05	0.03	0.05	0.04	0.04	0.02	0.01	28
29												0.02	0.04	0.03	0.03	0.02	0.02									29
30																0.01										30
31																										31
Sum	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.13	0.32	0.26	0.18	0.18	0.11	0.11	0.05	0.03	0.05	0.04	0.04	0.03	0.01	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 January 2009: Oakland, NJ



Wind Rose: January 2009
Oakland, NJ



Maximum direction of wind: 31.6 miles from 250°
Maximum sector of wind: 253.8 miles from NW
1380.7 total miles of wind