

LOCAL CLIMATOLOGICAL DATA

Daily Summary

March 8, 2008

Station: Oakland, NJ
 Latitude: 41° 02' 24" N
 Longitude: 74° 14' 02" W
 Elevation (ground): 272 feet
 Time Zone: Eastern

Hour	Temperature				Humidity Mean	Precipitation Water Equiv.	Pressure Adj. to Sea Level			Wind						Sun	
	Maximum	Minimum	Mean	Dew Point			Maximum	Minimum	Mean	Avg Speed	Res	Peak		Minute		Mean Index	
												Speed	Dir	Speed	Dir		Speed
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
00	40.9	40.8	40.9	40	95	0.00	29.63	29.63	29.630	0.0	57	2	NE	1	56		
01	41.2	40.9	41.0	40	96	0.00	29.64	29.63	29.630	0.1	57	2	NE	1	56		
02	41.2	41.1	41.2	40	96	0.02	29.65	29.64	29.645	0.0	57	1	NE	1	56		
03	41.8	41.2	41.6	41	96	0.01	29.66	29.65	29.649	0.8	26	4	NW	2	344		
04	41.6	41.5	41.5	41	96	0.00	29.67	29.64	29.655	1.3	38	7	N	4	17		
05	41.6	41.5	41.6	41	97	0.00	29.68	29.66	29.673	0.3	144	4	SE	3	145		
06	41.5	41.2	41.3	41	97	0.00	29.66	29.65	29.658	0.1	148	1	SE	1	148		
07	41.9	41.2	41.3	41	97	0.00	29.65	29.63	29.640	1.2	30	6	NNE	3	17		
08	42.5	41.9	42.2	42	99	0.00	29.63	29.61	29.614	1.9	9	6	NNE	3	11		
09	42.8	42.5	42.7	43	100	0.00	29.61	29.59	29.601	1.7	18	6	NNE	3	12		
10	43.2	42.8	43.0	43	100	0.07	29.60	29.54	29.578	1.3	21	5	NNE	3	37		
11	43.3	43.1	43.2	43	100	0.22	29.54	29.47	29.514	1.3	3	6	N	3	16		
12	43.3	43.2	43.3	43	100	0.15	29.47	29.42	29.457	1.6	30	6	N	4	22		
13	43.6	43.3	43.3	43	100	0.19	29.42	29.32	29.375	2.7	21	10	NE	5	17		
14	44.9	43.6	44.0	44	100	0.22	29.32	29.26	29.306	2.0	33	9	NNW	4	17		
15	46.8	44.9	45.8	46	100	0.10	29.26	29.20	29.236	1.2	30	4	NNW	2	28		
16	51.7	46.8	47.9	48	100	0.00	29.20	29.15	29.183	0.9	253	11	S	4	222		
17	57.3*	51.7	56.4	56	100	0.00	29.15	29.10	29.124	2.8	195	11	SSW	5	209		
18	57.2	53.8	56.1	56	100	0.03	29.12	29.09	29.102	6.8	220	28	SW	15	217		
19	53.8	48.9	51.1	45	80	0.01	29.26	29.12	29.180	12.1	231	33	SSW	20	233		
20	48.9	41.9	45.2	35	67	0.00	29.38	29.26	29.297	11.1	232	26	S	15	232		
21	41.9	38.3	39.9	29	65	0.00	29.44	29.38	29.398	9.6	234	29	SSW	16	222		
22	38.3	35.9	37.0	23	57	0.00	29.50	29.44	29.467	10.4	236	32	SW	15	233		
23	35.9	34.0*	34.9	19	52	0.00	29.56	29.50	29.528	8.9	236	24	S	14	224		

						Total	For the day:										-----
						1.02	29.68	29.09	29.464	3.3	240	33	SSW	20	233	-----	
Avg			Mean	Avg	Avg	Month	Hour	Hour	-----	-----	---	Hour		Hour		Avg	
45.7			43.6	41	91	3.06	5	18	-----	-----	---	19		19			
Total Snow, Ice Pellets				0.0		Greatest Depth on Ground of Snow, Ice Pellets or Ice				0		Precip Types		Degree Days		Heat 19	
																Cool 0	

NOTES:

Units are: Temperature=°F, Wind=mph, Pressure=Inches Hg, Precipitation=inches.
 Data in columns 4, 5, 6, 10, 11, 17 are means via continuous observations for each hour.
 Column 5: Dew point is calculated from temperature and humidity and is continuously averaged for each hour.
 Columns 11-12: Resultant wind is calculated by the vector sum of continuous wind observations.
 Column 17: Sunshine Index is measured in Watts/m^2 and is continuously averaged for each hour.
 Snowfall, snow cover, and precipitation type data are entered manually by the station observer.
 Degree Days heating base is 65°F, cooling base is 65°F.