

LOCAL CLIMATOLOGICAL DATA

Daily Summary

February 12, 2009

Station: Oakland, NJ
 Latitude: 41° 02' 28" N
 Longitude: 74° 13' 52" W
 Elevation (ground): 280 feet
 Time Zone: Eastern

Hour	Temperature				Humidity Mean	Precipitation Water Equiv.	Pressure Adj. to Sea Level			Wind				Sun Mean Index		
	Maximum	Minimum	Mean	Dew Point			Maximum	Minimum	Mean	Avg Speed	Res	Peak			Minute	
												Speed	Dir		Speed	Dir
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
00	41.0	39.2	39.8	39	95	0.04	29.43	29.36	29.410	0.4	65	3	N	2	210	
01	41.6	39.5	40.7	40	96	0.01	29.39	29.32	29.352	0.4	83	4	N	2	72	
02	42.0	39.1	40.6	40	96	0.00	29.35	29.33	29.338	0.5	224	3	S	2	214	
03	40.6	38.7*	39.9	39	96	0.00	29.33	29.30	29.316	0.1	240	2	W	1	286	
04	40.4	39.0	39.8	39	96	0.00	29.31	29.28	29.293	0.1	19	3	SSE	1	322	
05	51.6	40.2	46.3	44	91	0.00	29.29	29.28	29.281	6.3	221	30	SSW	16	215	
06	52.5*	50.5	51.5	40	66	0.00	29.32	29.27	29.293	12.9	249	34	WNW	21	245	
07	50.5	48.7	49.7	36	59	0.00	29.33	29.31	29.315	14.6	251	40	WSW	21	247	
08	48.7	47.3	47.9	36	63	0.00	29.33	29.31	29.324	10.5	267	35	W	18	257	
09	51.1	48.2	49.7	36	58	0.01	29.34	29.32	29.330	10.7	255	31	W	18	219	
10	51.4	50.6	50.9	34	53	0.00	29.34	29.32	29.329	12.7	256	36	WSW	20	239	
11	50.7	48.3	49.3	33	53	0.00	29.35	29.33	29.344	13.6	264	40	SW	21	245	
12	48.3	47.6	48.0	33	55	0.00	29.37	29.34	29.354	11.4	263	39	SSW	20	242	
13	47.9	47.3	47.6	32	55	0.00	29.38	29.35	29.369	11.1	257	37	SSW	20	255	
14	47.3	46.7	46.9	32	55	0.00	29.41	29.37	29.397	10.8	265	32	W	22	270	
15	46.7	46.0	46.3	32	57	0.00	29.45	29.41	29.431	10.3	273	29	WSW	19	272	
16	46.3	45.7	46.0	32	58	0.00	29.48	29.44	29.457	10.3	281	33	WNW	16	291	
17	45.8	45.3	45.6	32	58	0.00	29.51	29.46	29.481	9.5	282	33	SW	17	291	
18	45.7	45.0	45.5	30	55	0.00	29.54	29.50	29.525	8.7	296	32	WNW	17	282	
19	45.1	44.0	44.7	29	54	0.00	29.56	29.53	29.545	9.1	291	33	W	17	288	
20	44.1	42.2	43.0	29	57	0.00	29.59	29.55	29.569	10.0	289	32	W	17	277	
21	42.2	41.7	41.9	28	56	0.00	29.62	29.58	29.600	7.2	290	29	W	15	266	
22	42.0	41.1	41.6	27	55	0.00	29.63	29.62	29.624	7.6	291	23	WNW	13	257	
23	41.5	41.2	41.4	27	57	0.00	29.64	29.63	29.634	7.7	290	26	W	14	293	
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Avg		Mean		Avg	Avg	Month	Hour	Hour	-----	----	---	Hour		Hour		Avg
45.6		45.2		34	66	0.30	23	6	-----	----	---	7+		14		
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.