

LOCAL CLIMATOLOGICAL DATA

Daily Summary

April 16, 2007

Station: Oakland, NJ
 Latitude: 41° 02' 24" N
 Longitude: 74° 14' 02" W
 Elevation (ground): 280 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	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
00	41.6	40.6	41.1	39	93	0.03	28.95	28.87	28.924	6.5	6	27	N	11	354	
01	41.6	40.3	41.2	39	92	0.12	28.87	28.81	28.852	5.8	0	18	N	9	354	
02	40.6	39.9	40.3	38	93	0.04	28.81	28.76	28.786	5.8	356	21	NNW	10	356	
03	40.2	39.9	40.0	38	92	0.02	28.76	28.68	28.729	8.4	359	28	NNW	13	355	
04	40.6	40.2	40.4	38	91	0.00	28.68	28.64	28.662	9.9	356	25	N	14	359	
05	41.8	41.5	41.6	39	90	0.02	28.61	28.61	28.614	11.2	348	29	N	17	341	
06	42.8	41.8	42.3	40	91	0.02	28.61	28.60	28.602	9.2	349	34	NNW	14	355	
07	41.8	40.6	41.2	38	89	0.08	28.63	28.61	28.615	8.6	339	27	WNW	15	333	
08	40.6	39.9	40.1	37	88	0.07	28.66	28.63	28.641	6.9	327	22	NW	12	324	
09	39.9	38.9	39.4	36	87	0.13	28.70	28.66	28.677	7.0	333	30	NNW	14	332	
10	39.1	38.3	38.6	35	87	0.14	28.75	28.70	28.720	5.8	318	24	NW	13	321	
11	38.5	38.2*	38.3	35	87	0.10	28.78	28.75	28.761	4.4	305	21	W	9	299	
12	39.1	38.2	38.7	35	87	0.05	28.83	28.78	28.797	4.7	289	18	WSW	9	262	
13	40.9	38.8	39.7	36	86	0.01	28.86	28.83	28.842	4.6	275	17	SSE	9	299	
14	42.6	40.5	41.4	37	83	0.02	28.89	28.86	28.873	4.7	289	14	W	9	289	
15	43.6	42.2	42.7	36	77	0.00	28.92	28.89	28.906	4.9	310	20	N	9	322	
16	43.8*	42.6	43.3	36	74	0.00	28.97	28.92	28.943	5.5	318	22	WNW	11	340	
17	42.8	40.9	41.8	35	75	0.00	29.01	28.97	28.985	3.5	294	16	N	11	340	
18	41.1	40.6	40.8	35	78	0.00	29.06	29.01	29.029	2.2	310	14	NW	5	300	
19	40.6	39.9	40.4	35	80	0.00	29.10	29.06	29.073	2.3	317	11	NNW	6	310	
20	39.9	39.5	39.7	36	85	0.01	29.14	29.10	29.117	1.8	323	10	NW	6	345	
21	39.5	39.2	39.3	36	89	0.02	29.18	29.14	29.158	1.6	320	11	NW	5	310	
22	40.3	39.2	39.7	37	91	0.01	29.20	29.18	29.188	2.9	336	14	NW	7	352	
23	40.6	40.3	40.5	38	89	0.01	29.23	29.20	29.211	5.0	355	16	N	10	355	
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Avg		Mean		Avg	Avg	Month	Hour	Hour	-----	----	---	Hour		Hour		Avg
41.0		40.5		37	86	6.88	23	6	-----	----	---	6		5		
Total Snow, Ice Pellets			0.0	Greatest Depth on Ground of Snow, Ice Pellets or Ice			0	Precip Types			Degree Days		Heat		24	
													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.