

2003

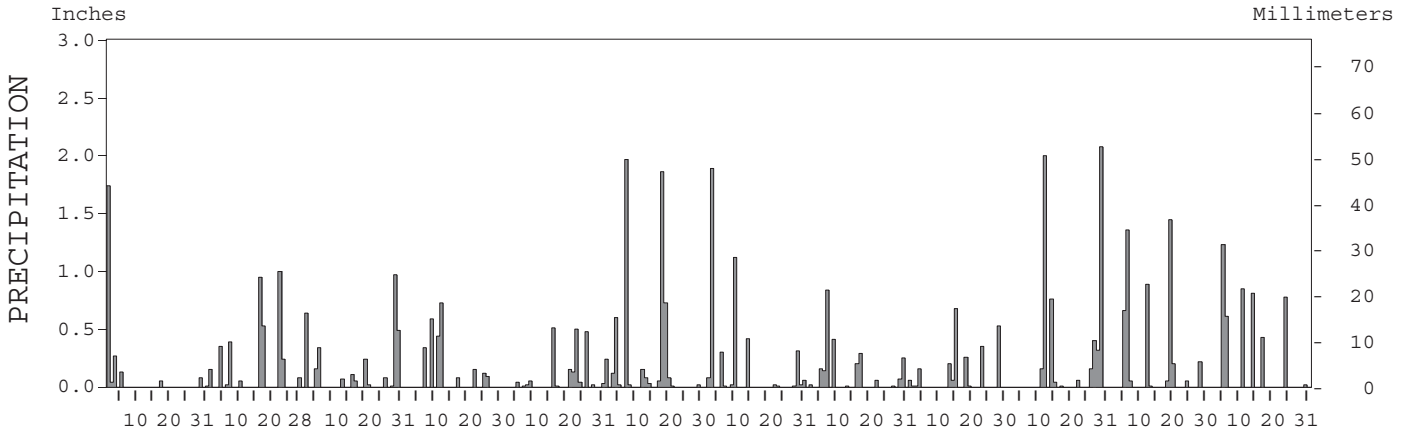
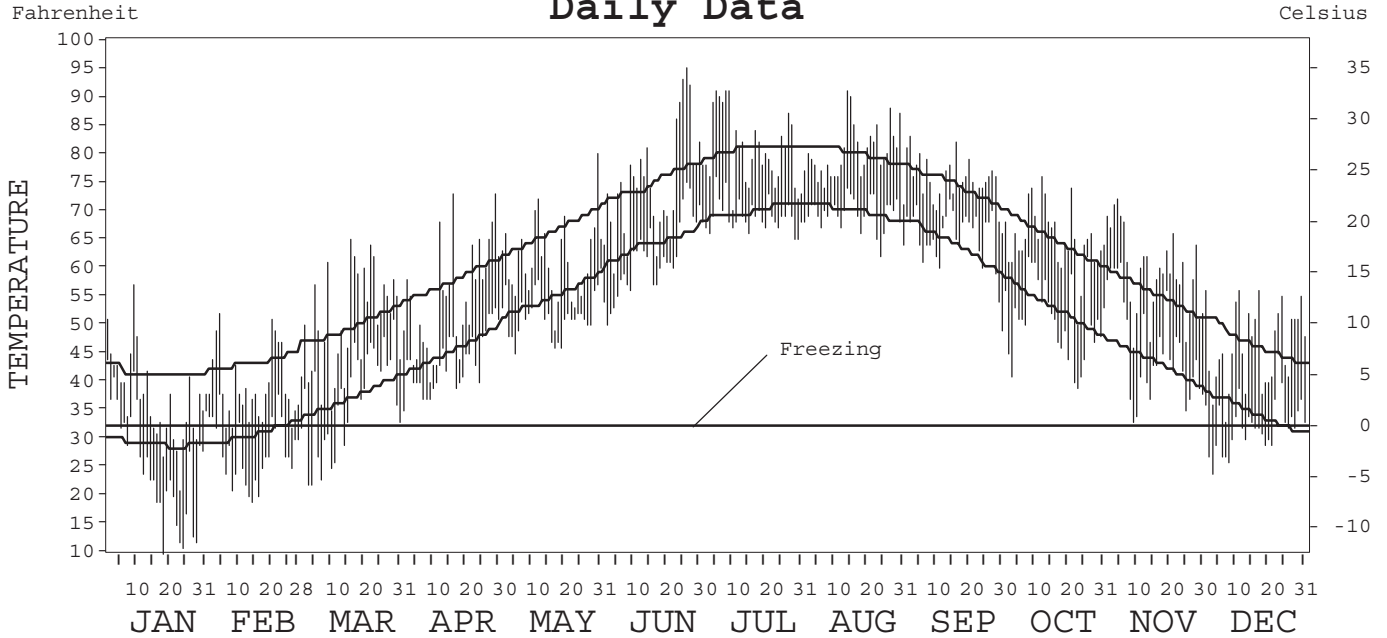
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0275-1771

ATLANTIC CITY, NEW JERSEY
STATE MARINA (ATLN)

Daily Data



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METEOROLOGICAL DATA FOR 2003

ATLANTIC CITY C.O., NJ (ATLN)

LATITUDE: 39° 23' 0 " N LONGITUDE: 74° 26' 0 " W ELEVATION (FT): GRND: 11 BARO: 11 TIME ZONE: EASTERN (UTC + 5) WBAN: 13724

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	37.0	39.3	50.6	54.9	61.3	74.8	80.7	80.2	75.2	65.0	59.3	46.3	60.4	
	HIGHEST DAILY MAXIMUM	57	52	65	73	80	95	91	91	83	76	72	56	95	
	DATE OF OCCURRENCE	09	04	16	29+	30	26	09+	14	02	12	04	17+	JUN 26	
	MEAN DAILY MINIMUM	25.9	27.9	36.8	43.5	51.6	61.8	69.0	69.4	65.2	50.9	45.7	32.4	48.3	
	LOWEST DAILY MINIMUM	10	19	22	35	45	50	65	62	49	39	33	24	10	
	DATE OF OCCURRENCE	18	14	04+	01	05	02	30+	24	30	23	09	03	JAN 18	
	AVERAGE DRY BULB	31.5	33.6	43.7	49.2	56.5	68.3	74.9	74.8	70.2	58.0	52.5	39.4	54.4	
	MEAN WET BULB														
	MEAN DEW POINT														
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	0	3	4	2	0	0	0	0	0	9
MAXIMUM ≤ 32°	10	3	0	0	0	0	0	0	0	0	0	0	0	13	
MINIMUM ≤ 32°	22	21	10	0	0	0	0	0	0	0	0	17	0	70	
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	1031	870	650	465	259	41	0	0	11	219	371	788	4705	
	COOLING DEGREE DAYS	0	0	0	0	4	147	313	314	175	9	2	0	964	
RH	MEAN (PERCENT)														
	HOUR 01 LST														
	HOUR 07 LST														
	HOUR 13 LST														
	HOUR 19 LST														
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	0	0	0	0	0	0	0	0	0	0	0	0	0	
	THUNDERSTORMS	0	0	0	0	0	0	0	0	0	0	0	0	0	
CLOUDINESS	AVG. SKY COVER (OKTAS)														
	SUNRISE - SUNSET														
	MIDNIGHT - MIDNIGHT														
	NUMBER OF DAYS WITH:														
	CLEAR														
	PARTLY CLOUDY														
	CLOUDY														
PR	MEAN STATION PRESS. (IN.)														
	MEAN SEA-LEVEL PRESS. (IN.)														
WINDS	RESULTANT SPEED (MPH)														
	RES. DIR. (TENS OF DEGS.)														
	MEAN SPEED (MPH)														
	PREVAIL.DIR. (TENS OF DEGS.)														
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	24	36	23	32	25	21	18	20	34	26	30	36	36	
	DIR. (TENS OF DEGS.)	04	04	36	04	03	08	21	24	09	28	29	11	11	
	DATE OF OCCURRENCE	01	17	06	10	17+	16	22	06	18	15	13	14	DEC 14	
	PEAK GUST :														
	SPEED (MPH)	33	51	33	45	43	31	33	48	53	52	60	62	62	
DIR. (TENS OF DEGS.)	27	04	32	04	25	07	24	24	08	28	29	11	11		
DATE OF OCCURRENCE	20	17	26	10	12	16+	22	06	18	14	13	14	DEC 14		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	2.32	3.76	3.18	2.54	1.99	5.98	4.27	2.46	2.33	5.99	4.94	4.73	44.49	
	GREATEST 24-HOUR (IN.)	1.78	1.17	1.43	0.92	0.51	1.97	1.89	0.84	0.68	2.08	1.45	1.23	2.08	
	DATE OF OCCURRENCE	01-02	22-23	29-30	11-12	16	07	03	07	15	29	19	05	OCT 29	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	7	10	12	8	13	15	13	12	11	10	10	7	128	
PRECIPITATION ≥ 0.10	3	7	7	6	5	7	5	7	6	7	6	6	72		
PRECIPITATION ≥ 1.00	1	1	0	0	0	2	2	0	0	2	2	1	11		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)														
	GREATEST 24-HOUR (IN.)														
	DATE OF OCCURRENCE														
	MAXIMUM SNOW DEPTH (IN.)														
	DATE OF OCCURRENCE														
NUMBER OF DAYS WITH:															
SNOWFALL ≥ 1.0															

NORMALS, MEANS, AND EXTREMES

ATLANTIC CITY C.O., NJ (ATLN)

LATITUDE: 39° 23' 0 " N LONGITUDE: 74° 26' 0 " W ELEVATION (FT): GRND: 11 BARO: 11 TIME ZONE: EASTERN (UTC + 5) WBAN: 13724

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	41.4	43.2	49.5	57.5	66.1	74.8	80.6	79.8	74.1	64.5	55.0	46.3	61.1
	MEAN DAILY MAXIMUM	50	41.2	42.8	48.8	57.5	66.2	74.8	80.7	79.7	72.6	64.7	55.2	46.2	60.9
	HIGHEST DAILY MAXIMUM	43	71	72	82	91	94	97	101	102	92	90	78	74	102
	YEAR OF OCCURRENCE		2002	1976	1998	1960	1969	1991	1999	1983	1985	2002	1993	1998	AUG 1983
	MEAN OF EXTREME MAXS.	50	58.1	58.9	65.6	75.9	83.2	89.6	92.5	90.7	84.2	78.4	69.6	60.7	75.6
	NORMAL DAILY MINIMUM	30	29.0	30.6	37.0	45.2	54.8	63.9	69.8	69.7	63.6	52.5	42.9	34.0	49.4
	MEAN DAILY MINIMUM	50	28.5	29.9	36.1	44.5	53.8	63.0	68.9	68.5	60.9	51.6	41.9	33.1	48.4
	LOWEST DAILY MINIMUM	43	-3	1	2	22	34	45	53	50	42	27	8	4	-3
	YEAR OF OCCURRENCE		1994	1961	1991	1982	2002	1972	1988	1986	1974	1974	2000	1983	JAN 1994
	MEAN OF EXTREME MINS.	50	12.4	14.8	21.0	32.4	43.5	52.5	60.4	58.7	47.8	37.4	26.8	17.7	35.5
	NORMAL DRY BULB	30	35.2	36.9	43.3	51.4	60.5	69.4	75.2	74.8	68.9	58.5	49.0	40.2	55.3
	MEAN DRY BULB	50	34.8	36.3	42.6	51.0	59.9	68.8	74.9	74.2	66.7	58.1	48.5	39.7	54.6
	MEAN WET BULB														
	MEAN DEW POINT														
	NORMAL NO. DAYS WITH:														
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	*	0.3	0.3	2.5	1.4	0.5	0.0	0.0	0.0	5.0	
MAXIMUM ≤ 32°	30	5.6	3.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.5	12.4	
MINIMUM ≤ 32°	30	20.9	16.8	9.5	1.2	0.0	0.0	0.0	0.0	0.0	1.0	4.4	14.4	68.2	
MINIMUM ≤ 0°	30	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
H/C	NORMAL HEATING DEG. DAYS	30	924	787	674	409	167	18	0	0	20	228	481	772	4480
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	25	147	316	302	136	25	0	0	951
RH	NORMAL (PERCENT)														
	HOUR 01 LST														
	HOUR 07 LST														
	HOUR 13 LST														
	HOUR 19 LST														
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	THUNDERSTORMS	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH:														
	CLEAR														
	PARTLY CLOUDY														
	CLOUDY														
PR	MEAN STATION PRESSURE (IN)														
	MEAN SEA-LEVEL PRES. (IN)														
WINDS	MEAN SPEED (MPH)														
	PREVAIL. DIR (TENS OF DEGS)														
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	13	43	43	63	37	37	30	44	30	34	44	36	45	63
	DIR. (TENS OF DEGS)		04	04	07	01	04	35	19	03	09	04	04	01	07
	YEAR OF OCCURRENCE		1996	1998	1984	1996	1998	2001	1996	1991	2003	1996	1997	1992	MAR 1984
PEAK GUST:															
SPEED (MPH)	16	58	60	87	63	52	64	52	67	78	77	64	67	87	
DIR. (TENS OF DEGS)		SSW	WNW	ENE	NE	NE	SW	SE	ENE	WSW	SE	NW	E	ENE	
YEAR OF OCCURRENCE		1992	1985	1984	1987	1985	1986	1984	1986	1985	1991	1995	1992	MAR 1984	
PRECIPITATION	NORMAL (IN)	30	3.44	2.88	3.79	3.25	3.16	2.46	3.36	4.16	3.02	2.71	2.96	3.18	38.37
	MAXIMUM MONTHLY (IN)	43	8.40	6.29	8.48	6.68	6.01	7.28	15.69	14.77	6.87	6.43	7.57	6.87	15.69
	YEAR OF OCCURRENCE		1987	1979	1994	1987	1984	1973	1959	1967	1996	2002	1972	1996	JUL 1959
	MINIMUM MONTHLY (IN)	43	0.35	0.56	0.68	0.82	0.28	0.61	0.57	0.93	0.39	0.01	0.82	0.71	0.01
	YEAR OF OCCURRENCE		1981	2002	1966	1976	1986	1971	1981	1964	1959	2000	1965	1985	OCT 2000
	MAXIMUM IN 24 HOURS (IN)	43	3.40	2.91	3.30	3.46	3.13	4.10	6.62	8.60	3.77	3.44	3.90	3.32	8.60
	YEAR OF OCCURRENCE		1962	1998	1993	2002	1978	1968	1969	1967	2000	2002	1977	1993	AUG 1967
	NORMAL NO. DAYS WITH:														
	PRECIPITATION ≥ 0.01	30	10.5	9.3	10.2	10.6	11.0	9.0	8.6	8.4	8.0	7.3	9.4	10.4	112.7
PRECIPITATION ≥ 1.00	30	0.7	0.6	0.7	0.7	0.5	0.6	0.8	1.4	0.9	0.8	0.6	0.7	9.0	
SNOWFALL	NORMAL (IN)														
	MAXIMUM MONTHLY (IN)														
	YEAR OF OCCURRENCE														
	MAXIMUM IN 24 HOURS (IN)														
	YEAR OF OCCURRENCE														
	MAXIMUM SNOW DEPTH (IN)	11	11	7	7	0	0	0	0	0	0	0	0	2	11
YEAR OF OCCURRENCE		1958	1958	1952									1957	JAN 1958	
NORMAL NO. DAYS WITH:															
SNOWFALL ≥ 1.0															

PRECIPITATION (inches) 2003 ATLANTIC CITY, NEW JERSEY NJ (ATLN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	2.87	3.51	2.64	4.03	2.83	7.28	3.21	1.06	2.96	1.80	1.33	5.23	38.75
1974	2.78	2.35	4.33	1.75	2.44	2.01	2.57	6.31	2.56	1.59	1.00	3.31	33.00
1975	4.29	3.08	3.39	3.94	2.73	3.72	5.63	2.05	3.82	1.74	2.93	2.57	39.89
1976	3.66	2.98	0.91	0.82	2.19	1.59	1.74	5.01	3.08	4.94	0.95	2.42	30.29
1977	2.48	2.10	2.30	1.89	0.90	1.78	2.17	4.10	1.81	3.05	6.77	5.12	34.47
1978	5.59	1.11	3.82	1.33	6.00	2.07	4.20	4.01	0.87	1.35	2.48	3.95	36.78
1979	6.96	6.29	3.28	4.00	3.55	3.12	2.21	5.93	3.68	2.07	3.80	1.56	46.45
1980	2.97	0.79	6.39	4.38	1.47	2.73	2.25	1.41	2.08	3.63	3.11	1.13	32.34
1981	0.35	4.08	1.98	4.96	2.16	2.49	0.57	3.75	2.09	2.98	1.28	3.83	30.52
1982	2.81	2.03	2.48	3.98	2.24	2.88	4.14	2.08	1.16	1.11	4.05	3.04	32.00
1983	2.22	2.82	5.63	5.17	3.75	2.50	0.71	2.43	1.88	3.41	6.64	3.47	40.63
1984	2.38	4.32	6.50	4.46	6.01	1.44	4.24	1.03	2.08	1.53	2.28	1.53	37.80
1985	2.04	1.73	2.58	0.97	5.01	2.39	3.37	3.43	2.07	1.08	2.16	0.71	27.54
1986	2.46	2.83	1.46	2.79	0.28	0.28	0.28	6.11	1.88	3.55	4.19	5.01	30.52
1987	8.40	1.55	4.10	6.68	3.84	0.71	3.11	2.91	3.27	2.81	2.41	1.99	41.78
1988	3.07	3.74	2.00	2.37	3.28	1.55	2.95	3.73	2.22				
1990						1.65	4.06	3.70	1.44	1.98	1.95	3.67	
1991	5.81	1.36	4.90	5.41	0.34	0.81	2.59	4.86	2.86	2.70	1.38	4.29	37.31
1992	1.20	2.40	2.97	1.43	2.81	1.75	5.89	5.11	5.01	1.42	3.25	4.25	37.49
1993	2.75	2.39	8.20	1.96	2.24	1.17	1.89	4.53	1.24	3.81	1.29	5.21	36.68
1994	4.00	3.25	8.48	2.09	3.37	1.86	3.68	4.03	2.80	1.07	2.59	2.32	39.54
1995	2.79	2.30	0.96	2.54	4.49	2.86	2.07	2.40	3.87	5.09	4.55	2.14	36.06
1996	2.68	2.17	3.09	3.18	3.90	2.81	3.49	4.75	6.87	5.03	1.09	6.87	45.93
1997	2.40	3.36	3.88	3.13	3.21	1.73	8.38	6.01	1.06	3.45	3.74	4.77	45.12
1998	5.17	5.99	6.29	3.77	5.79	3.61	1.58	1.84	1.88	2.50	0.89	2.45	41.76
1999	6.40	2.91	3.93	2.90	0.71	2.09	1.20	5.24	5.81	3.90	0.92	2.34	38.35
2000	3.38	2.14	4.67	3.05	2.21	4.30	6.04	11.77	6.42	0.01	2.13	1.42	47.54
2001	2.68	2.31	4.04	1.42	0.78	4.59	2.52	2.88	1.27	0.99	0.85	1.26	25.59
2002	1.78	0.56	4.62	5.23	2.34	5.02	0.86	2.06	2.47	6.43	6.57	5.18	43.12
2003	2.32	3.76	3.18	2.54	1.99	5.98	4.27	2.46	2.33	5.99	4.94	4.73	44.49
POR= 44 YRS	3.27	3.04	3.81	3.19	2.90	2.69	3.77	4.13	2.87	2.79	2.95	3.38	38.79

WBAN : 13724

AVERAGE TEMPERATURE (°F) 2003 ATLANTIC CITY, NEW JERSEY NJ (ATLN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	39.0	38.4	48.4	54.0	57.2	68.8	73.7	75.1	69.8	60.4	48.9	40.8	56.2
1974	39.1	34.1	43.6	52.5	59.8	67.5	75.6	73.4	65.8	53.3	47.4	39.5	54.3
1975	37.4	36.0	39.4	45.9	61.3	68.8	73.5	74.9	64.7	59.3	50.8	38.5	54.2
1976	32.7	42.0	45.0	53.4	58.0	69.1	71.8	71.4	65.9	53.1	41.6	34.5	53.2
1977	24.4	35.6	45.7	52.2	60.9	67.1	75.3	76.1	71.1	56.6	48.9	36.9	54.2
1978	31.2	27.9	39.8	49.6	55.3	65.8	70.6	74.4	65.0	55.2	48.2	39.3	51.9
1979	33.1	27.4	43.3	50.5	59.3	66.6	72.8	73.1	67.5	56.2	51.4	41.9	53.6
1980	35.5	32.7	40.7	52.2	62.3	67.0	72.9	75.1	69.4	55.6			36.7
1981	29.9	39.1	41.4	53.2	60.7	71.4	77.5	74.7	67.3	54.6	46.9	37.9	54.6
1982	29.1	35.8	42.2	48.7	60.2	66.1	72.8	69.6	66.0	56.3	48.8	40.7	53.0
1983	34.7	39.0	46.0	51.3	59.0	67.5	76.0	74.6	68.7	57.6	48.3	35.4	54.8
1984	30.4	41.3	39.6	51.1	60.7	72.8	73.4	77.4	67.4	62.8	47.6	47.2	56.0
1985	30.6	36.9	46.4	54.1	62.0	68.4	75.0	74.4	70.4	61.7	54.4	36.4	55.9
1986	35.5	34.0	43.6	51.5	62.4	69.4	77.0	73.3	68.3	59.8	48.4	41.1	55.4
1987	35.1	34.8	44.1	49.8		70.4	76.3	74.5	69.0	54.4	49.4	40.6	
1988	30.5	35.2	43.0	49.4	59.4	68.4	73.6	73.8	66.2				
1990						69.9	75.0	75.4	67.9	62.2	50.1	44.0	
1991	37.5	40.9	44.9	53.0	66.0	71.8	76.4	76.7	68.3	59.1	48.6	41.5	57.1
1992	36.9	37.9	41.0	48.7	56.8	66.7	74.9	72.6	67.8	55.7	48.7	40.3	54.0
1993	39.8	32.9	39.2	49.2	61.4	69.6	78.1	75.1	68.8	57.9	49.3	38.4	55.0
1994	29.5	34.3	41.8	54.5	58.5	70.6	75.5	71.0	67.4	57.6	53.2	43.7	54.8
1995	39.2	33.5	44.1	50.8	60.5	69.2	75.6	75.6	68.9	62.8	45.4	34.8	
1996	33.6	35.5	38.3	50.3	58.9	70.9	73.3	73.6		58.5	43.6	43.4	
1997	35.1	41.5	44.5	51.1	58.6	68.4	75.2	74.4	69.2	59.2	47.6	41.6	55.5
1998	43.1	43.0	44.7	53.3	62.5	70.5	76.8	76.6	72.2	59.6	50.3	44.1	58.1
1999	38.7	39.1	42.7	52.5	61.6	70.1	78.6	76.0	70.2	59.7	52.7	43.8	57.1
2000	34.7	39.8	47.2	51.4	62.6	70.9	73.1	74.4	68.3	59.5	46.9	33.7	55.2
2001	35.5	38.7	42.0	52.6	62.5	73.5	72.9	76.7	68.3	59.6	53.9	46.3	56.9
2002	42.2	41.6	45.7	55.3	61.7	71.2	77.3	76.7	71.6	60.3	48.6	38.8	57.6
2003	31.5	33.6	43.7	49.2	56.5	68.3	74.9	74.8	70.2	58.0	52.5	39.4	54.4
POR= 44 YRS	34.0	36.0	42.3	50.9	60.0	69.0	74.7	74.4	66.7	58.0	48.7	39.2	54.5

HEATING DEGREE DAYS (base 65°F) 2003 ATLANTIC CITY, NEW JERSEY NJ (ATLN)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1974	0	0	0	10	18	125	334	266	91	0	1	0	845
1975	0	0	0	0	42	131	269	313	50	16	0	0	821
1976	0	0	0	14	2	160	219	210	69	2	0	0	676
1977	0	0	0	6	37	105	324	355	200	10	0	0	1037
1978	0	0	0	0	9	72	186	297	69	0	0	0	633
1979	0	0	0	0	5	74	252	263	111	8	0	0	713
1980	0	0	0	0	39	109	250	319	159	2	0	0	821
1981	0	0	0	3	33	200	392	305	125	1	0	0	1059
1982	0	0	0	0	13	77	247	160	70	20	3	0	590
1983	0	0	0	2	0	96	349	313	181	14	0	0	955
1984	0	0	0	0	12	246	269	393	135	36	0	0	1091
1985	0	0	2	12	34	124	315	298	188	35	0	0	1008
1986	0	0	0	0	70	154	378	274	126	47	0	0	1049
1987	0	0	0	0	0	173	357	299	142	0	0	0	821
1988	0	0	0	0	34	160	275	280	83	0	0	0	633
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	166	318	330	136	74	1	0	713
1991	0	0	0	3	116	219	359	370	143	30	0	0	1240
1992	0	0	0	0	21	83	315	243	126	8	0	0	796
1993	0	0	0	0	30	164	415	319	155	2	4	0	1089
1994	0	0	0	3	12	176	331	197	94	0	0	0	813
1995	0	0	0	0	24	139	0	338	145	56	6	0	713
1996	0	0	0	0	43	192	263	275	0	6	0	0	713
1997	0	0	0	0	7	179	326	299	159	50	0	0	1020
1998	0	0	2	0	66	184	376	368	236	13	0	0	1245
1999	0	0	0	0	44	164	427	348	168	25	1	0	1177
2000	0	0	0	1	65	201	261	297	146	29	0	0	1000
2001	0	0	0	5	33	264	253	370	147	32	0	0	1104
2002	0	0	0	34	45	205	388	373	203	63	0	0	1311
2002-03	0	0	0	0	0	0	1031	870	650	465	259	41	1311
2003-	0	0	11	219	371	788	0	0	0	0	0	0	0

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COOLING DEGREE DAYS (base 65°F) 2003 ATLANTIC CITY, NEW JERSEY NJ (ATLN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	0	0	0	3	9	233	278	319	168	29	0	0	1039
1974	0	0	0	10	18	125	334	266	91	0	1	0	845
1975	0	0	0	0	42	131	269	313	50	16	0	0	821
1976	0	0	0	14	2	160	219	210	69	2	0	0	676
1977	0	0	0	6	37	105	324	355	200	10	0	0	1037
1978	0	0	0	0	9	72	186	297	69	0	0	0	633
1979	0	0	0	0	5	74	252	263	111	8	0	0	713
1980	0	0	0	0	39	109	250	319	159	2	0	0	821
1981	0	0	0	3	33	200	392	305	125	1	0	0	1059
1982	0	0	0	0	13	77	247	160	70	20	3	0	590
1983	0	0	0	2	0	96	349	313	181	14	0	0	955
1984	0	0	0	0	12	246	269	393	135	36	0	0	1091
1985	0	0	2	12	34	124	315	298	188	35	0	0	1008
1986	0	0	0	0	70	154	378	274	126	47	0	0	1049
1987	0	0	0	0	0	173	357	299	142	0	0	0	821
1988	0	0	0	0	34	160	275	280	83	0	0	0	633
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	166	318	330	136	74	1	0	713
1991	0	0	0	3	116	219	359	370	143	30	0	0	1240
1992	0	0	0	0	21	83	315	243	126	8	0	0	796
1993	0	0	0	0	30	164	415	319	155	2	4	0	1089
1994	0	0	0	3	12	176	331	197	94	0	0	0	813
1995	0	0	0	0	24	139	0	338	145	56	6	0	713
1996	0	0	0	0	43	192	263	275	0	6	0	0	713
1997	0	0	0	0	7	179	326	299	159	50	0	0	1020
1998	0	0	2	0	66	184	376	368	236	13	0	0	1245
1999	0	0	0	0	44	164	427	348	168	25	1	0	1177
2000	0	0	0	1	65	201	261	297	146	29	0	0	1000
2001	0	0	0	5	33	264	253	370	147	32	0	0	1104
2002	0	0	0	34	45	205	388	373	203	63	0	0	1311
2003	0	0	0	0	4	147	313	314	175	9	2	0	964

SNOWFALL (inches) 2003 ATLANTIC CITY, NEW JERSEY NJ (ATLN)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
POR=													

WBAN : 13724

REFERENCE NOTES :

PAGE 1:
 THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).

PAGE 2 AND 3:
 H/C INDICATES HEATING AND COOLING DEGREE DAYS.
 RH INDICATES RELATIVE HUMIDITY
 W/O INDICATES WEATHER AND OBSTRUCTIONS
 S INDICATES SUNSHINE.
 PR INDICATES PRESSURE.
 CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS (OKTAS).

GENERAL:
 T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE.
 + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES.
 BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.
 NORMALS ARE 30-YEAR AVERAGES (1971 - 2000).
 ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM.
 PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH.
 POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING.
 WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED.
 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05.
 CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET.
 THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.

GENERAL CONTINUED:
 CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.
 WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED.
 WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH.
 RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION.
 AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2.
 SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL.
 A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65° F.
 DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR.
 DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY.
 WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.

ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTS (OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.

2003
ATLANTIC CITY, NEW JERSEY
STATE MARINA (ATLN)

The Atlantic City State Marina is located on Abescon Island on the southeast coast of New Jersey. Surrounding terrain, composed of tidal marshes and beach sand, is flat and lies slightly above sea level. The climate is principally continental in character. However, the moderating influence of the Atlantic Ocean is apparent throughout the year, being more marked in the city than at the airport. As a result, summers are relatively cooler and winters milder than elsewhere at the same latitude.

Land and sea breezes, local circulations resulting from the differential heating and cooling of the land and sea, often prevail. These winds occur when moderate or intense storms are not present in the area, thus enabling the local circulation to overcome the general wind pattern. During the warm season sea breezes in the late morning and afternoon hours prevent excessive heating. Frequently, the temperature at Atlantic City during the afternoon hours in the summer averages several degrees lower than at the airport and the airport averages several degrees lower than localities farther inland. On occasions, sea breezes have lowered the temperature as much as 15 to 20 degrees within a half hour. However, the

major effect of the sea breeze at the airport is preventing the temperature from rising above the 80s. Because the change in ocean temperature lags behind the air temperature from season to season, the weather tends to remain comparatively mild late into the fall, but on the other hand, warming is retarded in the spring. Normal ocean temperatures range from an average near 37 degrees in January to near 72 degrees in August.

Precipitation is moderate and well distributed throughout the year, with June the driest month and August the wettest. Tropical storms or hurricanes occasionally bring excessive rainfall to the area. The bulk of winter precipitation results from storms which move northeastward along or near the east coast of the United States. Snowfall is considerably less than elsewhere at the same latitude and does not remain long on the ground. Precipitation, often beginning as snow, will frequently become mixed with or change to rain while continuing as snow over more interior sections. In addition, ice storms and resultant glaze are relatively infrequent.

STATION LOCATION

ATLANTIC CITY, NEW JERSEY STATE
MARINA

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE										AUTOMATIC OBSERVING EQUIPMENT *	* TYPE M = AMOS T = AUTOB S = ASOS W = AWOS REMARKS	
						GROUND												
						SEA LEVEL	WIND	EXTREME	PSYCHROMETER	SUNSHINE	TIPPING BUCKET	WINDHOLE	8 INCH RAIN GAGE	HYGROMETER	TEMPERATURE			
U.S. Life Saving Sta. 27 S. Vermont Avenue	12/10/73	10/5/78	NA	39°22'	74°25'	8	27	4										
Apsley Cottage 10 S. Rhode Island Ave.	10/5/78	12/1/87	0.05mi. W	39°22'	74°25'	8	40	10										
National Bank Building 1125 Atlantic Avenue	12/1/87	4/1/89	0.35mi. W	39°22'	74°25'	10	50	52	52									
Real Estate & Law Bldg. 1421 Atlantic Avenue	4/1/89	1/22/02	0.15mi. W	39°22'	74°25'	9	76	68	68									
U.S. Weather Bureau Building, 23 S. Rhode Island Avenue	1/22/02	7/21/58	0.5mi. E	39°22'	74°25'	8	48 a172	39	37		33							a. Effective 12/17/21.
Atlantic City Marina	7/21/58	Present	1.1mi. NW	39°23'	74°26'	11	42 b40				26		4	\$28				Data remoted to airport office. b. Moved 600' SE 10/15/70. \$ - Remote reading thermometer. Station closed 9/30/88. Last LCD monthly = Sep 1988. Station reopened 8/1/89. First LCD monthly = Jul 1990. First LCD annual = 1991.

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