

1999

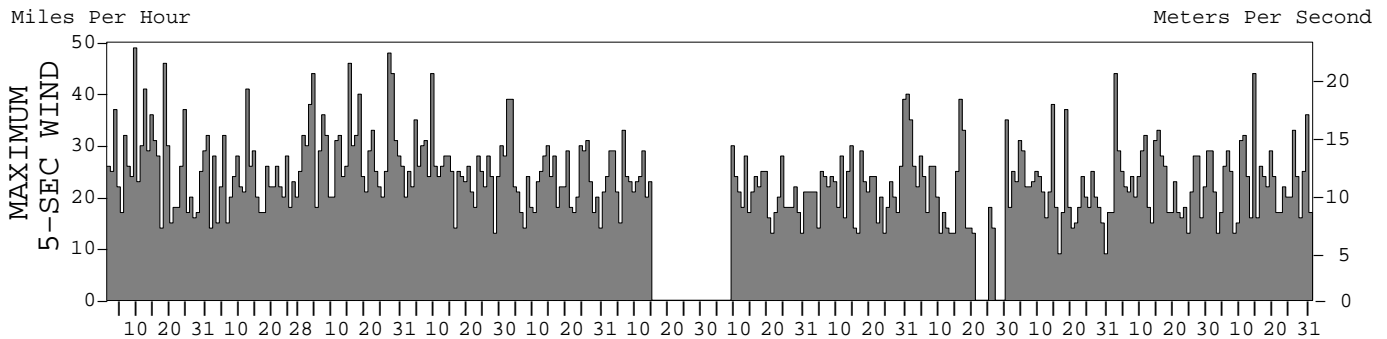
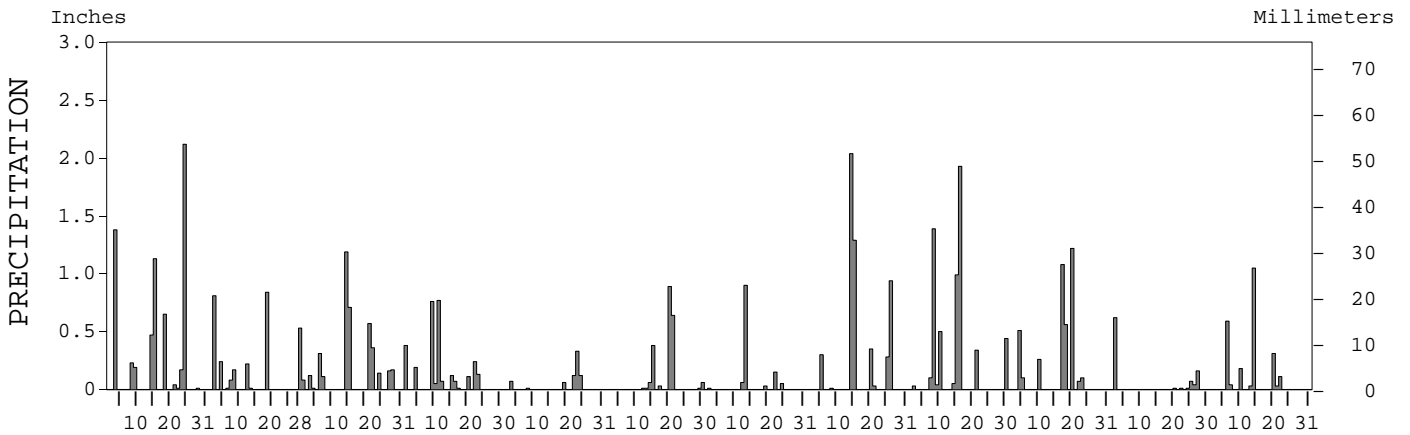
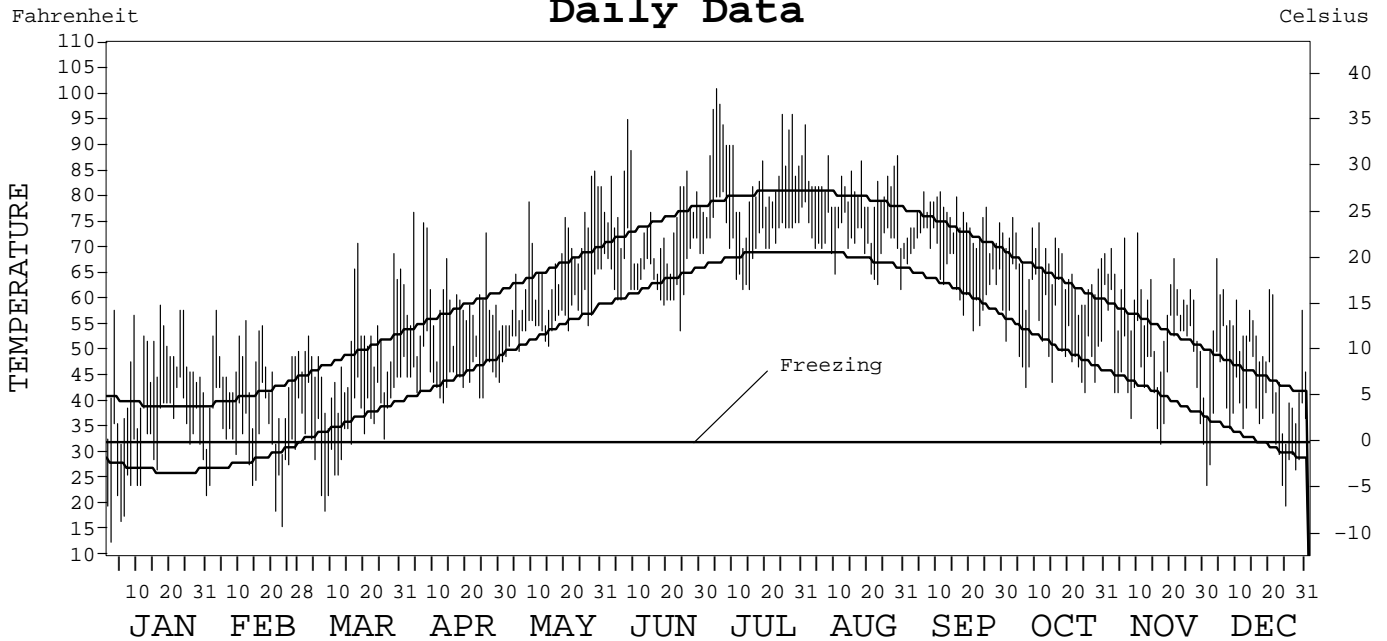
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ATLANTIC CITY, NEW JERSEY
STATE MARINA (0325)

ISSN 0275-1771

Daily Data



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Thomas R. Karl

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL ENVIRONMENTAL AND INFORMATION SERVICE
 NATIONAL SATELLITE, DATA, AND INFORMATION SERVICE
 NATIONAL CLIMATIC DATA CENTER
 ASHEVILLE, NORTH CAROLINA
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 1999

ATLANTIC CITY C.O., NJ (0325)

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	46.1	45.5	50.1	59.8	67.3	75.7	85.1	81.1	75.4	66.5	58.5	50.4	63.5	
	HIGHEST DAILY MAXIMUM	59	58	71	77	85	95	101	94	81	76	73	68	101	
	DATE OF OCCURRENCE	17	03	18	04	29	08	05	01	11+	03	10	04	JUL 05	
	MEAN DAILY MINIMUM	31.3	32.6	35.3	45.2	55.9	64.4	72.0	70.9	65.0	52.9	46.8	37.2	50.8	
	LOWEST DAILY MINIMUM	13	16	19	40	48	54	62	62	54	42	32	20	13	
	DATE OF OCCURRENCE	02	23	08	13	01	24	15+	30	21	25	30+	25	JAN 02	
	AVERAGE DRY BULB	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	
	MEAN WET BULB														
	MEAN DEW POINT														
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	0	1	10	1	0	0	0	0	0	12
	MAXIMUM ≤ 32°	2	2	0	0	0	0	0	0	0	0	0	1	5	5
MINIMUM ≤ 32°	15	12	9	0	0	0	0	0	0	0	2	10	48	48	
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	808	720	684	368	140	4	0	0	3	181	363	651	3922	
	COOLING DEGREE DAYS	0	0	0	0	44	164	427	348	168	25	1	0	1177	
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) THUNDERSTORMS														
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)	30	25	32	32	29		21	30	26	22	31	29		
	DIR. (TENS OF DEGS.)	21	18	03	04	03		03	03	04	32	15	03		
	DATE OF OCCURRENCE	09	12	15	09	02		13	31	01	18+	02	14		
	PEAK GUST :														
	SPEED (MPH)	49	41	48	44	39		30	40	39	38	44	44		
DIR. (TENS OF DEGS.)	19	31	00	01	02		20	04	13	31	17	03			
DATE OF OCCURRENCE	09	12	27	09	03+		09	31	16	14	02	14			
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	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	
	GREATEST 24-HOUR (IN.)	2.12	0.84	1.19	0.77	0.33	1.42	0.96	2.04	2.59	1.64	0.62	1.05	2.59	
	DATE OF OCCURRENCE	24	18	14	11	23	20-21	12-13	14	15-16	17-18	02	14	SEP 15-16	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	11	9	12	12	6	9	6	8	10	8	7	8	106	
PRECIPITATION ≥ 0.10	8	6	10	8	3	3	2	6	7	7	2	5	67		
PRECIPITATION ≥ 1.00	3	0	1	0	0	0	0	2	2	2	0	1	11		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)														
	GREATEST 24-HOUR (IN.)														
	DATE OF OCCURRENCE														
	MAXIMUM SNOW DEPTH (IN.)														
	NUMBER OF DAYS WITH: SNOWFALL ≥ 1.0														

NORMALS, MEANS, AND EXTREMES

ATLANTIC CITY C.O., NJ (0325)

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	39.5	41.5	48.8	57.3	65.7	74.4	80.1	79.8	73.8	64.3	54.8	45.5	60.5
	MEAN DAILY MAXIMUM	46	41.1	42.6	48.6	57.5	66.0	74.7	80.7	79.7	72.4	64.6	55.0	46.2	60.8
	HIGHEST DAILY MAXIMUM	39	70	72	82	91	94	97	101	102	92	89	78	74	102
	YEAR OF OCCURRENCE		1967	1976	1998	1960	1969	1991	1999	1983	1985	1997	1993	1998	AUG 1983
	MEAN OF EXTREME MAXS.	46	57.8	58.8	65.5	75.7	83.1	89.3	92.5	90.6	84.1	78.2	69.6	60.7	75.5
	NORMAL DAILY MINIMUM	30	26.8	28.8	36.0	44.1	53.6	62.3	68.3	68.0	61.8	51.0	41.7	32.5	47.9
	MEAN DAILY MINIMUM	46	28.4	29.7	35.9	44.4	53.7	62.8	68.9	68.3	60.7	51.5	41.7	33.1	48.3
	LOWEST DAILY MINIMUM	39	-3	1	2	22	36	45	53	50	42	27	19	4	-3
	YEAR OF OCCURRENCE		1994	1961	1991	1982	1966	1972	1988	1986	1974	1974	1987	1983	JAN 1994
	MEAN OF EXTREME MINS.	46	12.2	14.3	21.4	32.2	43.7	52.5	60.2	58.4	47.6	37.3	26.9	17.5	35.3
	NORMAL DRY BULB	30	33.1	35.2	42.5	50.7	59.7	68.4	74.2	73.9	67.8	57.6	48.2	39.1	54.2
	MEAN DRY BULB	46	34.7	36.2	42.4	50.9	59.8	68.7	74.8	74.0	66.5	58.1	48.3	39.7	54.5
	MEAN WET BULB														
	MEAN DEW POINT														
	NORMAL NO. DAYS WITH:														
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	*	0.4	0.6	2.2	1.4	0.4	0.0	0.0	0.0	5.0	
MAXIMUM ≤ 32°	30	7.2	4.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*	2.4	14.3	
MINIMUM ≤ 32°	30	22.5	18.5	9.5	1.3	0.0	0.0	0.0	0.0	0.0	0.4	4.4	15.7	72.3	
MINIMUM ≤ 0°	30	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*	0.0	0.0	
H/C	NORMAL HEATING DEG. DAYS	30	989	834	698	429	179	19	0	0	30	243	504	803	4728
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	15	121	285	276	114	13	0	0	824
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)														
	THUNDERSTORMS														
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)	9	43	43	63	37	37	30	44	30	32	44	36	45	63
	DIR. (TENS OF DEGS)		04	04	07	01	04	05	19	03	07	04	04	01	07
	YEAR OF OCCURRENCE		1996	1998	1984	1996	1998	1997	1996	1991	1992	1996	1997	1992	MAR 1984
	PEAK GUST:														
	SPEED (MPH)	12	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	3.27	3.02	3.36	3.25	2.96	2.56	3.31	3.84	2.65	2.40	3.19	3.29	37.10
	MAXIMUM MONTHLY (IN)	39	8.40	6.29	8.48	6.68	6.01	7.28	15.69	14.77	6.87	5.47	7.57	6.87	15.69
	YEAR OF OCCURRENCE		1987	1979	1994	1987	1984	1973	1959	1967	1996	1959	1972	1996	JUL 1959
	MINIMUM MONTHLY (IN)	39	0.35	0.79	0.68	0.82	0.28	0.61	0.57	0.93	0.39	0.02	0.82	0.71	0.02
	YEAR OF OCCURRENCE		1981	1980	1966	1976	1986	1971	1981	1964	1959	1963	1965	1985	OCT 1963
	MAXIMUM IN 24 HOURS (IN)	39	3.40	2.91	3.30	2.73	3.13	4.10	6.62	8.60	2.59	2.67	3.90	3.32	8.60
	YEAR OF OCCURRENCE		1962	1998	1993	1991	1978	1968	1969	1967	1999	1972	1977	1993	AUG 1967
	NORMAL NO. DAYS WITH:														
	PRECIPITATION ≥ 0.01	30	10.5	9.4	10.2	10.3	10.2	8.9	8.0	8.6	7.5	7.2	9.4	10.2	110.4
	PRECIPITATION ≥ 1.00	30	0.6	0.6	0.7	0.7	0.5	0.5	1.0	1.2	0.8	0.6	0.7	0.6	8.5
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) 1999 ATLANTIC CITY, NEW JERSEY NJ (0325)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	2.24	2.92	2.63	3.76	1.43	1.64	11.11	4.15	2.46	0.51	4.56	6.55	43.96
1970	1.54	3.39	3.26	4.77	2.46	4.60	3.72	1.24	0.47	3.35	4.37	2.30	35.47
1971	2.89	4.31	1.84	1.35	2.14	0.61	4.20	10.37	5.47	3.60	4.29	2.85	43.92
1972	3.25	3.76	3.87	3.97	5.10	5.21	3.73	1.46	4.35	4.43	7.57	4.98	51.68
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			6.11	1.88	3.55	4.19	5.01	
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
POR= 40 YRS	3.33	3.10	3.77	3.19	3.00	2.45	3.78	4.04	2.82	2.72	2.87	3.38	38.45

WBAN : 13724

AVERAGE TEMPERATURE (°F) 1999 ATLANTIC CITY, NEW JERSEY NJ (0325)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	32.4	33.6	38.6	52.8	61.4	70.8	75.2	75.4	69.3	58.6	47.8	37.9	54.5
1970	29.5	36.7	41.0	51.1	61.4	69.3	72.5	74.9	68.3	58.5	48.3	38.2	54.1
1971	31.5	38.1	40.9	48.7	56.9	67.9	71.9	71.0	67.9	60.0	46.2	44.9	53.8
1972	38.6	36.6	40.4	48.3	58.1	64.5	73.1	72.0	67.5	54.3	46.4	43.6	53.6
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	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	68.5	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
POR= 40 YRS	33.9	35.7	42.1	50.8	59.9	68.7	74.6	74.2	66.5	57.9	48.5	39.1	54.3

HEATING DEGREE DAYS (base 65°F) 1999 ATLANTIC CITY, NEW JERSEY NJ (0325)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1970-71	0	0	33	204	493	823	1029	749	738	480	246	30	4825
1971-72	0	2	27	158	560	615	812	818	755	494	209	47	4497
1972-73	2	0	23	328	553	658	796	738	508	330	245	9	4190
1973-74	0	0	16	163	476	742	798	860	655	379	173	24	4286
1974-75	0	0	57	358	524	784	848	805	786	567	151	11	4891
1975-76	0	0	49	188	422	814	994	664	612	356	212	29	4340
1976-77	0	3	38	366	696	936	1253	816	590	384	154	36	5272
1977-78	0	0	11	267	477	862	1043	1031	776	455	302	41	5265
1978-79	6	0	62	297	497	791	979	1045	666	427	173	22	4965
1979-80	5	3	27	275	404	708	906	931	746	376	115	43	4539
1980-81	0	0	19	288		871	1080	720	723	350	160	3	
1981-82	0	0	51	315	538	834	1106	813	698	482	155	39	5031
1982-83	1	10	36	280	486	749	931	722	584	405	179	17	4400
1983-84	1	9	63	236	496	911	1065	681	781	406	139	5	4793
1984-85	0	0	56	96	514	543	1059	783	571	336	119	16	4093
1985-86	0	0	19	132	313	876	910	860	654	399	144	15	4322
1986-87	0	9	20	201	491	735	922	842	641	452		3	
1987-88	0	0	14	324	460	747	1062	859	675	465	200	51	4857
1988-89	1	2	40										
1989-90												13	
1990-91	0	0	42	154	437	646	847	668	616	357	79	8	3854
1991-92	0	0	36	205	484	722	865	780	738	484	267	23	4604
1992-93	0	0	37	292	482	759	776	890	792	467	136	19	4650
1993-94	0	0	33	214	469	819	1093	851	712	313	206	3	4713
1994-95	0	3	16	221	346	652	791	875	641	420	159	5	4129
1995-96		0	21	115	583	928	967	850	820	432	226	10	
1996-97	0	0		201	638	663	923	655	624	411	199	74	
1997-98	0	0	25	221	518	719	672	609	626	344	138	10	3882
1998-99	0	0	9	171	434	641	808	720	684	368	140	4	3979
1999-	0	0	3	181	363	651							

WBAN : 13724

COOLING DEGREE DAYS (base 65°F) 1999 ATLANTIC CITY, NEW JERSEY NJ (0325)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	0	0	0	0	38	181	322	327	160	32	0	0	1060
1970	0	0	0	0	37	138	240	315	141	11	0	0	882
1971	0	0	0	0	2	122	219	194	336	7	2	0	882
1972	0	0	0	0	0	39	258	224	103	2	0	0	626
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	
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		173	357	299	142	0	0	0	
1988	0	0	0	0	34	160	275	280	83				
1990						166	318	330	136	74	1	0	
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		338	145	56	6	0	
1996	0	0	0	0	43	192	263	275		6	0	0	
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

SNOWFALL (inches) 1999 ATLANTIC CITY, NEW JERSEY NJ (0325)

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 (1961 - 1990).
 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.

1999
ATLANTIC CITY, NEW JERSEY
STATE MARINA (0325)

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	NORTH	WEST	ELEVATION ABOVE											REMARKS
						SEA LEVEL	GROUND										
							WIND	EMERGENCY	RECORDED	RECORDED	RECORDED	RECORDED	RECORDED	RECORDED	RECORDED	RECORDED	
U.S. Life Saving Sta. 27 S. Vermont Avenue	12/10/73	10/5/78	NA	39° 22'	74° 25'	8	27	4	NA	NA	NA	NA	5	NA	NA		
Apsley Cottage 10 S. Rhode Island Ave.	10/5/78	12/1/87	0.05 mi. W	39° 22'	74° 25'	8	40	10	NA	NA	NA	NA	37	NA	NA		
National Bank Building 1125 Atlantic Avenue	12/1/87	4/1/89	0.35 mi. W	39° 22'	74° 25'	10	50	52	52	NA	NA	NA	42	NA	NA		
Real Estate & Law Bldg. 1421 Atlantic Avenue	4/1/89	1/22/02	0.15 mi. W	39° 22'	74° 25'	9	76	68	68	NA	NA	NA	58	NA	NA		
U.S. Weather Bureau Building, 23 S. Rhode Island Avenue	1/22/02	7/21/58	0.5 mi. E	39° 22'	74° 25'	8	48 a172	39	37	NA	33	NA	33	NA	NA	a - Effective 12/17/21.	
Atlantic City State Marina	7/21/58	Present	1.1 mi. NW	39° 23'	74° 26'	11	42 b40	NA	NA	NA	26	NA	4	\$28	NA	Data removed 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.	

SUBSCRIPTION: Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801.
INQUIRIES/COMMENTS CALL: (828) 271-4800

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