

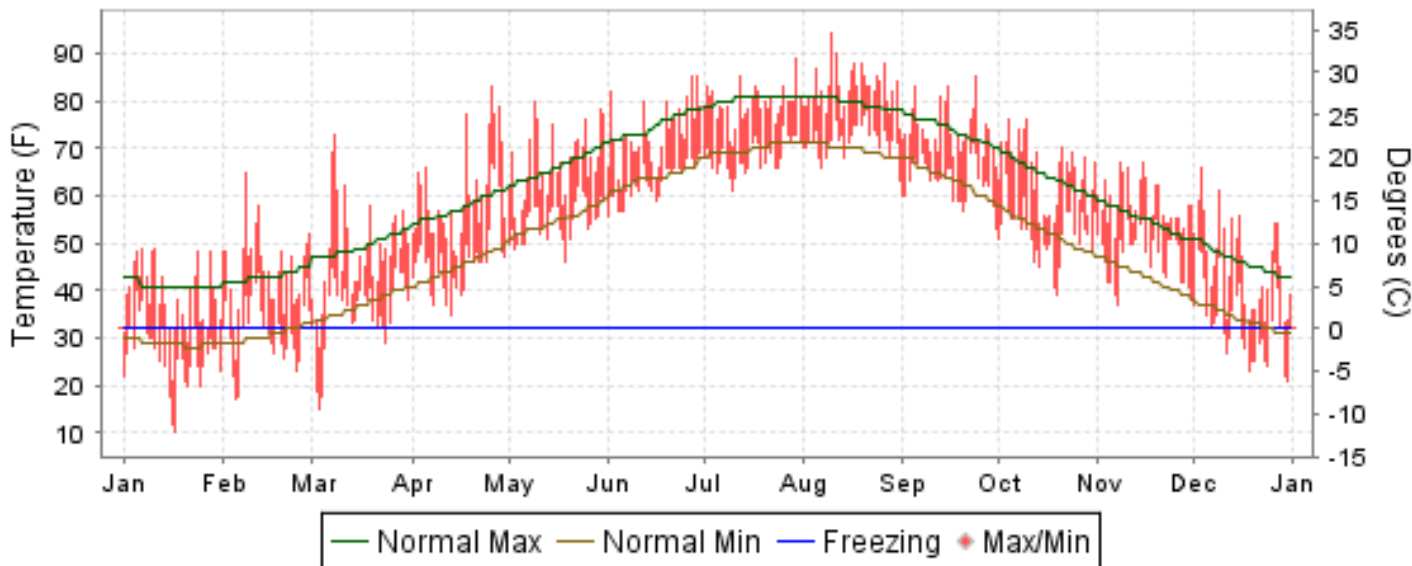


2009 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

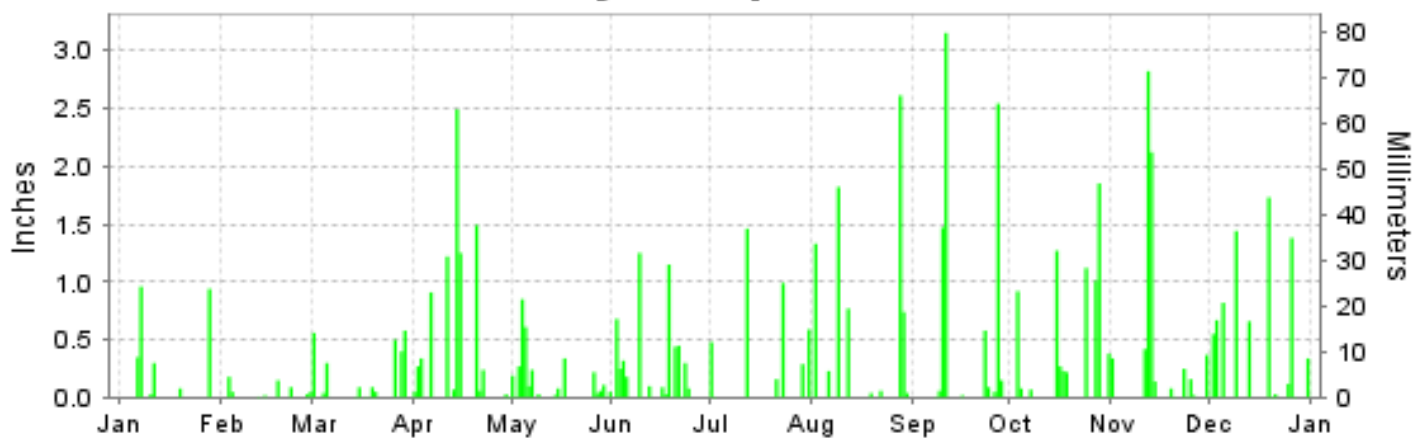
ISSN 0275-1771

ATLANTIC CITY C.O., STATE MARINA (ATLN)

Daily Max/Min Temperature



Daily Precipitation



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NATIONAL
OCEANIC AND
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NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2009

ATLANTIC CITY C.O. (ATLN)

LATITUDE: 39 ° 23'N LONGITUDE: -74 ° 26'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	38.7	44.4	48.6	60.4	66.7	73.1	79.2	82.7	73.9	65.1	58.3	45.8	61.4	
	HIGHEST DAILY MAXIMUM	49	65	73	83	80	85	89	94	85	76	67	66	94	
	DATE OF OCCURRENCE	11+	08	08	26	09	29+	30	10	24	10+	15+	03	AUG 10	
	MEAN DAILY MINIMUM	26.3	31.4	35.6	46.5	54.7	63.0	68.3	71.8	63.4	52.3	47.4	33.3	49.5	
	LOWEST DAILY MINIMUM	10	17	15	35	46	56	61	63	53	39	37	21	10	
	DATE OF OCCURRENCE	17	05	03	13	19	01	10	31	30	19	07	30	JAN 17	
	AVERAGE DRY BULB	32.5	37.9	42.1	53.5	60.7	68.1	73.8	77.3	68.7	58.7	52.9	39.6	55.5	
	MEAN WET BULB														
	MEAN DEW POINT														
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	0	0	0	2	0	0	0	0	2
	MAXIMUM <= 32°	4	2	5	0	9	0	0	0	6	5	0	0	9	40
MINIMUM <= 32°	28	17	8	0	0	0	0	0	0	0	0	0	17	70	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	998	753	704	360	149	21	0	0	9	197	358	781	4330	
	COOLING DEGREE DAYS	0	0	0	23	21	119	279	388	124	8	0	0	962	
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	
CLOUDNESS	SUNRISE-SUNSET: (OKTAS)														
	CEILOMETER (<= 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
	MIDNIGHT-MIDNIGHT: (OKTAS)														
	CEILOMETER (<= 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
	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)	25	30	28	24	20	15	20	15	39	26	38	26	39	
	DIR. (TENS OF DEGS.)	22	29	04	04	08	17	22	21	06	07	04	33	06	
	DATE OF OCCURRENCE	28	12	01	15	26	18	12	21	11	15	12	20	SEP 11	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	49	49	60	43	32	38	29	31	57	40	59	54	60	
	DIR. (TENS OF DEGS.)	29	29	03	29	08	12	22	07	05	04	04	02	03	
	DATE OF OCCURRENCE	08	12	02	04	26	02	29	28	11	18	12	19	MAR 02	
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	2.66	0.58	2.63	8.43	3.22	5.33	3.98	7.64	8.12	7.43	6.74	7.76	64.52	
	GREATEST 24-HOUR (IN.)	0.96	0.18	0.58	2.49	0.85	1.25	1.46	2.61	3.15	1.85	2.82	1.73	3.15	
	DATE OF OCCURRENCE	07	03	29	14	04	09	12	28	11	28	12	19	SEP 11	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	6	8	11	13	16	14	7	9	10	12	12	12	130	
	PRECIPITATION 0.10	4	2	5	8	9	10	6	6	5	9	8	9	81	
	PRECIPITATION 1.00	0	0	0	4	0	2	1	3	3	4	2	3	22	
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. (ATLN)

LATITUDE: 39 ° 23'N LONGITUDE: -74 ° 26'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	60	41.2	42.6	48.7	57.4	66.0	74.7	80.5	79.9	74.1	65.0	55.2	46.1	61.0
	HIGHEST DAILY MAXIMUM	49	72	72	82	91	94	97	101	102	92	90	78	74	102
	YEAR OF OCCURRENCE		2007	1976	1998	1960	1969	1991	1999	1983	1985	2002	1993	1998	AUG 1983
	MEAN OF EXTREME MAXS.	60	58.6	59.0	66.0	76.4	83.0	89.3	92.3	90.9	85.9	78.4	69.5	60.9	75.9
	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	60	28.4	29.6	35.8	44.4	53.7	62.8	68.9	68.7	62.4	51.9	42.0	32.9	48.5
	LOWEST DAILY MINIMUM	49	-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.	60	12.4	15.0	21.3	32.7	43.5	52.8	60.6	58.9	49.4	37.6	27.2	17.9	35.8
	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	60	34.3	36.1	42.3	50.9	59.9	68.9	74.7	74.3	68.2	58.4	48.6	39.5	54.7
	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)	30													
	hour 01 LST	30													
	hour 07 LST	30													
	hour 13 LST	30													
	hour 19 LST	30													
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI) THUNDERSTORMS	13 18	0.0 0.0	0.0 0.1	0.0 0.2	0.0 0.2	0.0 0.7	0.0 0.7	0.0 0.6	0.0 0.2	0.0 0.1	0.0 0.1	0.0 0.0	0.0 0.0	0.0 2.9
CLOUDNESS	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)	19	43	43	63	37	37	30	44	30	39	44	38	45	63
	DIR. (TENS OF DEGS)		00	04	00	01	04	35	19	03	06	04	04	01	00
	YEAR OF OCCURRENCE		1996	1998	1984	1996	1998	2001	1996	1991	2009	1996	2009	1992	MAR 1984
MAXIMUM 3-SECOND															
SPEED (MPH)	22	60	60	87	63	70	64	52	67	78	77	64	67	87	
DIR. (TENS OF DEGS)		03	30	07	04	10	23	14	07	24	14	31	09	07	
YEAR OF OCCURRENCE		2006	1985	1984	1987	2008	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)	49	8.40	6.29	8.48	8.43	6.01	7.28	15.69	14.77	8.12	9.60	8.09	7.76	15.69
	YEAR OF OCCURRENCE		1987	1979	1994	2009	1984	1973	1959	1967	2009	2005	2006	2009	JUL 1959
	MINIMUM MONTHLY (IN)	49	0.35	0.56	0.32	0.82	0.28	0.61	0.57	0.44	0.21	0.01	0.82	0.71	0.01
	YEAR OF OCCURRENCE		1981	2002	2006	1976	1986	1971	1981	2006	2005	2000	1965	1985	OCT 2000
	MAXIMUM IN 24 HOURS (IN)	49	3.40	2.91	3.30	3.46	3.13	4.10	6.62	8.60	3.77	3.44	3.90	4.12	8.60
	YEAR OF OCCURRENCE		1962	1998	1993	2002	1978	1968	1969	1967	2000	2002	1977	2008	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)	55	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	30	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.4	

PRECIPITATION (inches) 2009 ATLANTIC CITY C.O. (ATLN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
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
2004	1.37	1.94	5.24	6.31	3.95	1.26	3.79	4.45	1.44	2.10	5.42	2.23	39.50
2005	3.39	2.32	3.92	2.78	4.44	2.59	4.32	1.72	0.21	9.60	3.61	4.90	43.80
2006	5.28	2.79	0.32	3.26	3.30	2.46	3.21	0.44	5.39	4.71	8.09	1.89	41.14
2007	2.54	2.79	3.96	3.39	1.02	4.42	2.60	5.66	1.85	5.70	1.99	6.94	42.86
2008	1.67	5.22	2.11	3.42	5.20	1.13	2.66	2.09	5.26	1.41	7.15	7.56	44.88
2009	2.66	0.58	2.63	8.43	3.22	5.33	3.98	7.64	8.12	7.43	6.74	7.76	64.52
POR= 60 YRS	3.31	3.04	3.78	3.31	3.08	2.76	3.59	4.27	2.86	3.08	3.57	3.64	40.29

WBAN : 13724

AVERAGE TEMPERATURE (°F) 2009 ATLANTIC CITY C.O. (ATLN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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	45.6	36.7	53.8
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	62.7	70.4	76.3	74.5	69.0	54.4	49.4	40.6	55.1
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	77.2	75.6	68.9	62.8	45.4	34.8	55.2
1996	33.6	35.5	38.3	50.3	58.9	70.9	73.3	73.6	70.3	58.5	43.6	43.4	54.2
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
2004	29.2	37.0	43.6	50.6	63.9	70.0	75.4	73.8	70.6	58.1	50.2	40.3	55.2
2005	34.5	36.8	39.2	52.2	56.5	69.8	76.3	78.1	73.2	60.3	51.6	37.8	55.5
2006	42.9	37.9	43.3	54.1	61.6	69.6	76.8	76.7	67.9	58.2	53.4	46.2	57.4
2007	41.1	31.6	43.9	50.3	62.0	69.9	72.9	74.7	70.1	64.8	47.6	40.5	55.8
2008	2.2	39.0	43.7	51.5	58.9	73.5	75.5	74.3	70.1	57.9	47.5	42.0	53.0
2009	32.5	37.9	42.1	53.5	60.7	68.1	73.8	77.3	68.7	58.7	52.9	39.6	55.5
POR= 60 YRS	34.3	36.1	42.3	50.9	59.9	68.9	74.7	74.3	68.2	58.4	48.6	39.5	54.7

HEATING DEGREE DAYS (base 65°F) 2009 ATLANTIC CITY C.O. (ATLN)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1979-80	0	0	0	0	39	109	250	319	159	2		0	
1980-81	0	0	0	3	33	200	392	305	125	1	0	0	1059
1981-82	0	0	0	0	13	77	247	160	70	20	3	0	590
1982-83	0	0	0	2	0	96	349	313	181	14	0	0	955
1983-84	0	0	0	0	12	246	269	393	135	36	0	0	1091
1984-85	0	0	2	12	34	124	315	298	188	35	0	0	1008
1985-86	0	0	0	0	70	154	378	274	126	47	0	0	1049
1986-87	0	0	0	0		173	357	299	142	0	0	0	
1987-88	0	0	0	0	34	160	275	280	83				
1989-90						166	318	330	136	74	1	0	
1990-91	0	0	0	3	116	219	359	370	143	30	0	0	1240
1991-92	0	0	0	0	21	83	315	243	126	8	0	0	796
1992-93	0	0	0	0	30	164	415	319	155	2	4	0	1089
1993-94	0	0	0	3	12	176	331	197	94	0	0	0	813
1994-95	0	0	0	0	24	139		338	145	56	6	0	
1995-96	0	0	0	0	43	192	263	275		6	0	0	
1997-97	0	0	0	0	7	179	326	299	159	50	0	0	1020
1997-98	0	0	2	0	66	184	376	368	236	13	0	0	1245
1998-99	0	0	0	0	44	164	427	348	168	25	1	0	1177
1999-00	0	0	0	1	65	201	261	297	146	29	0	0	1000
2000-01	0	0	0	5	33	264	253	370	147	32	0	0	1104
2001-02	0	0	0	34	45	205	388	373	203	63	0	0	1311
2002-03							1031	870	650	465	259	41	
2003-04	0	0	11	219	371	788	1104	808	656	425	91	14	4487
2004-05	0	0	8	213	436	763	937	780	799	383	256	26	4601
2005-06	0	0	6	169	397	837	678	753	665	325	130	11	3971
2006-07	0	0	16	219	342	573	736	930	645	440	134	7	4042
2007-08	0	0	15	78	512	751	848	747	651	399	192	1	4194
2008-09	0	0	8	234	517	704	998	753	704	360	149	21	4448
2009-	0	0	9	197	358	781							

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COOLING DEGREE DAYS (base 65°F) 2009 ATLANTIC CITY C.O. (ATLN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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	
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
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
2004	0	0	0	0	64	171	330	279	183	8	0	0	1035
2005	0	0	0	3	3	177	356	415	258	30	0	0	1242
2006	0	0	0	5	29	154	374	366	109	16	0	0	1053
2007	0	0	0	8	46	164	251	308	174	90	0	0	1041
2008	0	0	0	2	8	263	332	295	165	23	0	0	1088
2009	0	0	0	23	21	119	279	388	124	8	0	0	962

SNOWFALL (inches) 2009 ATLANTIC CITY C.O. (ATLN)

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

WBAN : 13724

REFERENCE NOTES :

<p>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).</p> <p>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).</p> <p>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.</p>	<p>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.</p> <p>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.</p> <p>NOTE: The "Period of Record:(POR) for all "averages" is based on the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p>
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2009

ATLANTIC CITY

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 C.O.

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	Latitude Longitude NORTH WEST		ELEVATION ABOVE								AUTOMATIC OBSERVING EQUIPMENT *	REMARKS		
						SEA LEVEL	GROUND										
						GROUND TEMPERATURE SITE	WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAUGE	WEIGHING RAIN GAUGE	8 INCH RAIN GAUGE			HYGROTHERMOMETER	
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						37			
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 a17	39	37	33			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.

* TYPE
M = AMOS
T = AUTOB
S = ASOS
W = AWOS

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