

2003

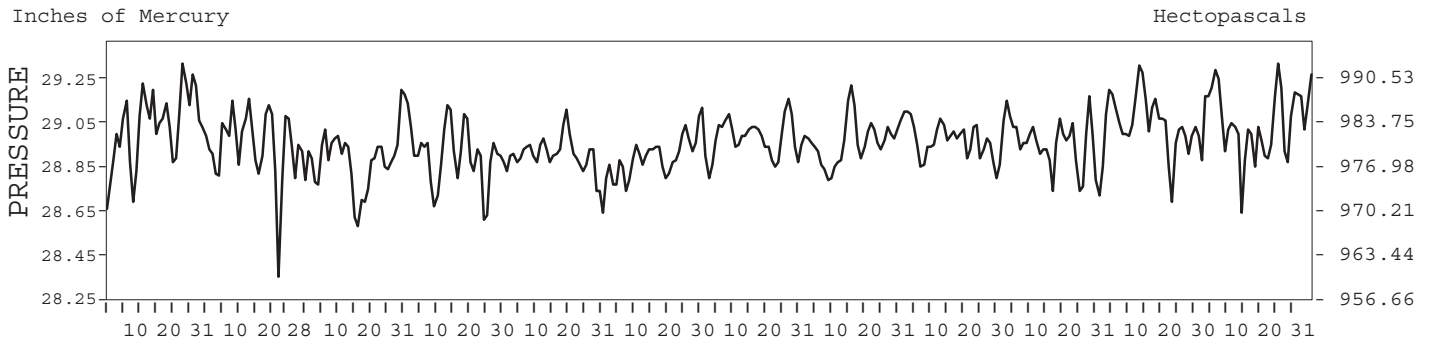
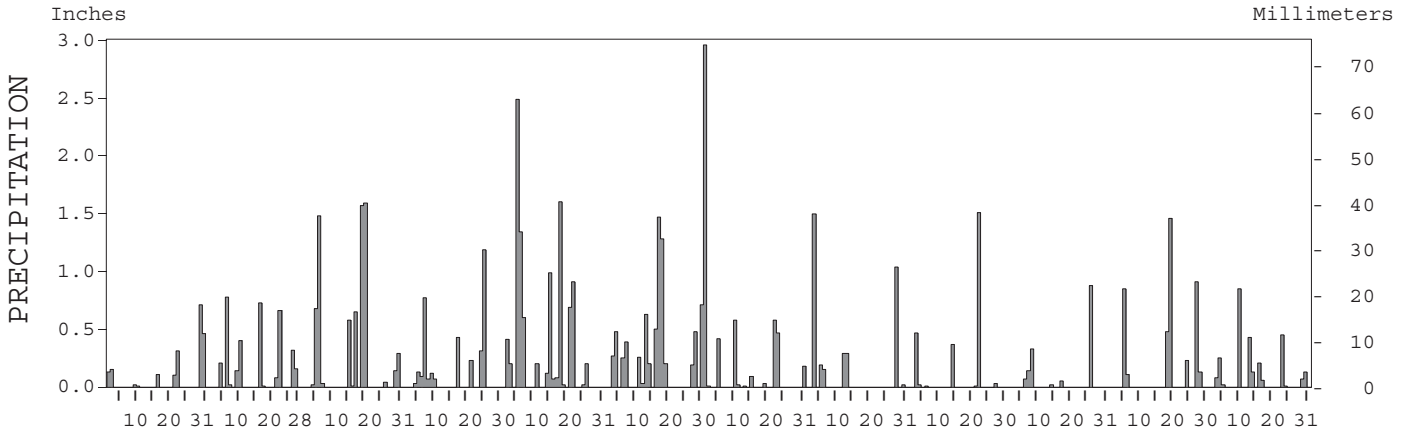
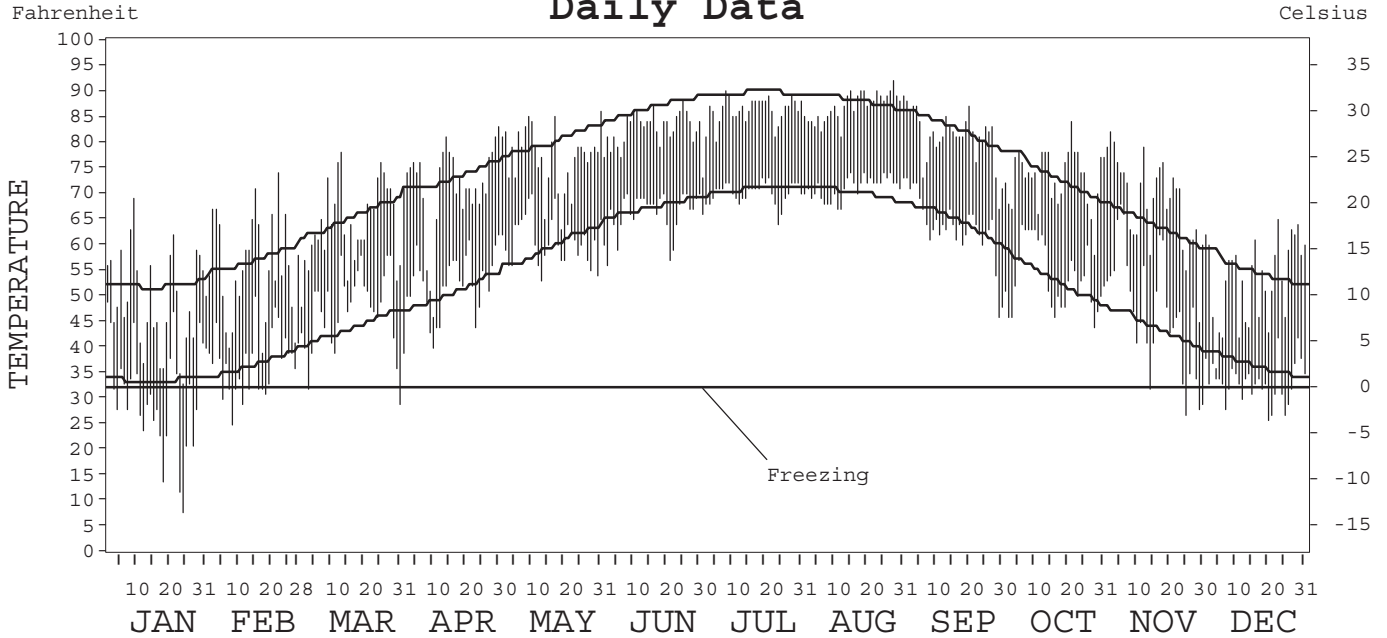
LOCAL CLIMATOLOGICAL DATA  
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-1560

ATLANTA,  
GEORGIA (ATL)

Daily Data



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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE	NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA	DIRECTOR NATIONAL CLIMATIC DATA CENTER
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# METEOROLOGICAL DATA FOR 2003

ATLANTA, GA (ATL)

LATITUDE: 33° 38' 25" N      LONGITUDE: 84° 25' 37" W      ELEVATION (FT.): GRND: 971      BARO: 974      TIME ZONE: EASTERN (UTC + 5)      WBAN: 13874

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	49.2	55.7	64.2	71.4	77.1	82.8	85.8	87.1	80.9	73.2	68.3	53.2	70.7	
	HIGHEST DAILY MAXIMUM	69	74	78	83	86	88	90	92	88	84	82	65	92	
	DATE OF OCCURRENCE	09	22	13	30	31	25	08	28	01	21	02	23	AUG 28	
	MEAN DAILY MINIMUM	30.9	37.1	47.2	52.0	60.8	66.0	69.9	71.1	63.3	53.7	46.9	33.3	52.7	
	LOWEST DAILY MINIMUM	8	25	29	39	53	56	64	67	46	44	27	26	8	
	DATE OF OCCURRENCE	24	08	31	01	13	02	24	12+	29	28	25	20	JAN 24	
	AVERAGE DRY BULB	40.1	46.4	55.7	61.7	69.0	74.4	77.9	79.1	72.1	63.5	57.6	43.3	61.7	
	MEAN WET BULB	34.2	41.4	51.0	55.9	63.6	68.0	72.0	73.3	65.5	58.0	52.2	37.8	56.1	
	MEAN DEW POINT	24.5	35.3	46.1	50.8	60.5	64.4	69.7	71.1	61.7	54.3	46.6	30.4	51.3	
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	0	0	1	6	0	0	0	0	0	7
	MAXIMUM ≤ 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM ≤ 32°	17	9	2	0	0	0	0	0	0	0	4	12	44		
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	765	516	281	119	9	0	0	0	14	80	250	664	2698	
	COOLING DEGREE DAYS	0	0	3	26	140	290	408	444	235	40	35	0	1621	
RH	MEAN (PERCENT)	58	71	74	71	78	74	80	81	72	76	71	66	73	
	HOUR 01 LST	64	75	81	79	86	82	89	91	82	86	78	72	80	
	HOUR 07 LST	68	81	87	86	89	87	93	94	89	90	86	79	86	
	HOUR 13 LST	47	65	65	60	64	62	65	66	58	61	58	53	60	
	HOUR 19 LST	54	62	66	62	71	68	73	73	64	71	63	58	65	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	0	1	5	1	2	0	1	2	1	0	2	1	16	
	THUNDERSTORMS	0	2	6	2	8	9	9	6	3	0	0	0	45	
CLOUDINESS	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.)	29.03	28.95	28.87	28.92	28.90	28.90	28.98	28.97	28.97	28.95	29.05	29.05	28.96	
	MEAN SEA-LEVEL PRESS. (IN.)	30.15	30.05	29.96	30.00	29.97	29.97	30.05	30.04	30.04	30.04	30.14	30.16	30.05	
WINDS	RESULTANT SPEED (MPH)	7.7	2.2	1.7	1.6	1.2	2.4	1.8	1.2	2.5	2.1	0.9	2.9	1.4	
	RES. DIR. (TENS OF DEGS.)	29	29	03	32	35	23	25	15	05	01	30	31	31	
	MEAN SPEED (MPH)	10.7	9.6	8.8	8.2	8.4	6.8	6.7	5.7	7.6	7.3	8.1	9.2	8.1	
	PREVAIL. DIR. (TENS OF DEGS.)	32	08	08	31	30	19	27	09	07	08	31	30	31	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	36	37	43	28	46	29	37	26	24	29	35	36	46	
	DIR. (TENS OF DEGS.)	32	21	32	17	34	31	28	29	19	31	29	29	34	
	DATE OF OCCURRENCE	23	22	05	07	02	19	10	06	22	14	28	30	MAY 02	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	47	45	52	33	58	35	54	32	31	33	43	46	58	
DIR. (TENS OF DEGS.)	33	19	33	17	35	24	33	29	18	30	29	28	35		
DATE OF OCCURRENCE	23	22	05	07	02	14+	22	06	22	14	28	30	MAY 02		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	2.00	3.51	7.08	3.44	9.94	7.34	5.35	3.48	2.42	1.49	4.17	2.69	52.91	
	GREATEST 24-HOUR (IN.)	1.16	0.80	3.15	1.50	3.48	1.81	2.96	1.50	1.52	0.88	1.94	0.85	3.48	
	DATE OF OCCURRENCE	29-30	06-07	19-20	24-25	05-06	16-17	01	03	21-22	26	18-19	10	MAY 05-06	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	9	11	12	11	16	15	11	7	7	6	7	12	124	
PRECIPITATION ≥ 0.10	7	8	8	7	12	14	6	6	3	3	7	7	88		
PRECIPITATION ≥ 1.00	0	0	3	1	3	2	1	2	1	0	1	0	14		
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

## ATLANTA, GA (ATL)

LATITUDE: 33° 38' 25" N      LONGITUDE: 84° 25' 37" W      ELEVATION (FT): GRND: 971      BARO: 974      TIME ZONE: EASTERN (UTC + 5)      WBAN: 13874

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	51.9	56.8	65.0	72.9	80.0	86.5	89.4	87.9	82.3	72.9	63.3	54.6	72.0
	MEAN DAILY MAXIMUM	58	52.0	56.5	63.8	72.7	80.2	86.1	88.7	87.8	82.0	72.9	62.9	54.0	71.6
	HIGHEST DAILY MAXIMUM	55	79	80	89	93	95	101	105	102	98	95	84	79	105
	YEAR OF OCCURRENCE		1949	1996	1995	1986	1996	1952	1980	1995	1954	1954	1961	1991	JUL 1980
	MEAN OF EXTREME MAXS.	58	69.6	72.8	80.1	85.0	89.4	94.2	95.6	94.6	91.7	84.2	77.3	70.6	83.8
	NORMAL DAILY MINIMUM	30	33.5	36.5	43.6	50.4	59.5	67.1	70.6	69.9	64.3	52.8	43.5	36.2	52.3
	MEAN DAILY MINIMUM	58	33.8	36.3	42.7	50.9	59.5	66.6	69.9	69.3	64.1	52.6	42.7	35.7	52.0
	LOWEST DAILY MINIMUM	55	-8	5	10	26	37	46	53	55	36	28	3	0	-8
	YEAR OF OCCURRENCE		1985	1958	1960	1973	1971	1956	1967	1992	1967	1976	1950	1983	JAN 1985
	MEAN OF EXTREME MINS.	58	14.8	19.3	25.9	35.3	46.6	56.7	63.9	62.7	51.1	37.8	26.6	18.9	38.3
	NORMAL DRY BULB	30	42.7	46.7	54.3	61.6	69.8	76.8	80.0	78.9	73.3	62.8	53.4	45.4	62.1
	MEAN DRY BULB	58	43.0	46.4	53.1	61.9	70.0	76.5	79.2	78.6	73.1	62.8	52.9	44.9	61.9
	MEAN WET BULB	19	38.8	42.4	47.7	54.2	62.6	68.9	72.1	71.3	66.1	53.9	48.7	38.8	55.5
	MEAN DEW POINT	19	31.8	34.8	39.7	47.1	57.4	64.6	68.6	67.9	62.0	49.1	42.8	32.8	49.9
	NORMAL NO. DAYS WITH:														
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.1	1.3	9.5	15.5	11.3	3.7	0.0	0.0	0.0	41.4	
MAXIMUM ≤ 32°	30	1.2	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.3	
MINIMUM ≤ 32°	30	14.3	10.4	4.0	0.5	0.0	0.0	0.0	0.0	0.0	*	4.1	11.3	44.6	
MINIMUM ≤ 0°	30	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*	0.2	
H/C	NORMAL HEATING DEG. DAYS	30	692	523	346	150	26	1	0	0	11	126	352	600	2827
	NORMAL COOLING DEG. DAYS	30	0	1	11	52	170	354	463	430	262	58	8	1	1810
RH	NORMAL (PERCENT)	30	68	64	62	60	67	69	73	73	73	69	69	69	68
	HOUR 01 LST	30	74	69	68	69	77	79	83	84	82	79	76	75	76
	HOUR 07 LST	30	79	77	77	78	82	83	87	88	87	84	82	80	82
	HOUR 13 LST	30	60	54	52	48	53	55	58	59	59	54	56	59	56
	HOUR 19 LST	30	64	56	53	49	57	59	64	65	66	63	64	64	60
S	PERCENT POSSIBLE SUNSHINE	63	49	54	58	66	68	67	62	64	62	66	58	50	60
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	69	4.7	3.3	2.7	1.4	1.3	1.0	1.5	1.6	2.0	2.2	3.1	4.1	28.9
	THUNDERSTORMS	69	1.2	2.0	3.5	4.2	5.9	8.4	9.9	7.5	3.1	1.1	1.0	0.7	48.5
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	1			7.2		2.4	3.2							
	MIDNIGHT-MIDNIGHT (OKTAS)	1			6.4			3.2							
	MEAN NO. DAYS WITH:														
CLEAR	1	2.0	1.0	10.0		12.0	9.0								
PARTLY CLOUDY	1			1.0		6.0	9.0								
CLOUDY	1	3.0	2.0	11.0		2.0	3.0								
PR	MEAN STATION PRESSURE (IN)	30	29.02	28.99	28.93	28.93	28.92	28.93	28.97	28.98	28.98	29.02	29.02	29.02	28.98
	MEAN SEA-LEVEL PRES. (IN)	19	30.13	30.10	30.05	30.02	30.00	30.00	30.04	30.02	30.04	30.10	30.13	30.15	30.07
WINDS	MEAN SPEED (MPH)	58	10.3	10.6	10.7	10.1	8.8	8.1	7.7	7.2	8.1	8.5	9.2	9.8	9.1
	PREVAIL. DIR (TENS OF DEGS)	39	32	32	32	30	30	27	29	08	08	08	32	32	32
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	8	37	48	43	44	46	38	46	39	33	29	35	36	48
	DIR. (TENS OF DEGS)		26	26	32	03	34	32	31	07	18	31	29	29	26
	YEAR OF OCCURRENCE		1997	2001	2003	1996	2003	1998	2001	1996	2002	2003	2003	2003	FEB 2001
	MAXIMUM 5-SECOND:														
SPEED (MPH)	8	48	70	52	52	58	51	61	59	44	36	43	46	70	
DIR. (TENS OF DEGS)		25	26	33	32	35	28	31	25	18	32	29	28	26	
YEAR OF OCCURRENCE		1996	2001	2003	1996	2003	1998	2001	1997	2002	1999	2003	2003	FEB 2001	
PRECIPITATION	NORMAL (IN)	30	5.03	4.68	5.38	3.62	3.95	3.63	5.12	3.67	4.09	3.11	4.10	3.82	50.20
	MAXIMUM MONTHLY (IN)	69	10.82	12.77	11.66	11.86	9.94	9.99	17.71	8.69	11.64	11.04	15.72	9.92	17.71
	YEAR OF OCCURRENCE		1936	1961	1980	1979	2003	1991	1994	1967	1989	1995	1948	1961	JUL 1994
	MINIMUM MONTHLY (IN)	69	0.84	0.77	1.86	0.49	0.32	0.16	0.57	0.50	0.04	T	0.41	0.69	T
	YEAR OF OCCURRENCE		1981	1978	1985	1986	1936	1988	1995	1976	1984	1963	1939	1979	OCT 1963
	MAXIMUM IN 24 HOURS (IN)	69	3.91	5.67	5.74	5.58	5.13	4.22	6.47	5.05	5.87	7.27	4.11	3.85	7.27
	YEAR OF OCCURRENCE		1973	1961	1990	1979	1948	1991	1994	1940	1992	1995	1935	1961	OCT 1995
	NORMAL NO. DAYS WITH:														
PRECIPITATION ≥ 0.01	30	12.1	9.8	10.9	8.4	9.6	9.8	11.5	9.5	8.3	6.4	9.4	10.4	116.1	
PRECIPITATION ≥ 1.00	30	1.4	1.5	1.7	1.0	1.0	1.0	1.6	1.0	1.3	1.0	1.4	1.0	14.9	
SNOWFALL	NORMAL (IN)	30	1.0	0.5	0.6	0.*	0.0	0.0	0.0	0.0	0.0	0.*	0.*	0.3	2.4
	MAXIMUM MONTHLY (IN)	65	8.3	4.4	7.9	T	0.0	0.0	T	0.0	0.0	T	1.0	3.0	8.3
	YEAR OF OCCURRENCE		1940	1979	1983	1990			2001			1993	1968	2000	JAN 1940
	MAXIMUM IN 24 HOURS (IN)	65	8.3	4.2	7.9	T	0.0	0.0	T	0.0	0.0	T	1.0	2.8	8.3
	YEAR OF OCCURRENCE		1940	1979	1983	1990			2001			1993	1968	1993	JAN 1940
	MAXIMUM SNOW DEPTH (IN)	54	9	4	4	0	0	0	0	0	0	0	1	2	9
	YEAR OF OCCURRENCE		1948	1979	1993								1975	2000	JAN 1948
NORMAL NO. DAYS WITH:															
SNOWFALL ≥ 1.0	30	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	

PRECIPITATION (inches) 2003 ATLANTA, GA (ATL)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1974	5.36	6.37	2.44	3.72	3.83	3.20	4.64	6.26	1.06	1.22	3.89	5.31	47.30
1975	6.19	8.98	8.31	4.28	4.62	5.52	8.52	3.30	2.99	5.31	4.62	3.36	66.00
1976	5.15	1.84	10.95	1.49	6.99	2.36	4.29	0.50	0.72	3.55	4.11	4.01	45.96
1977	3.49	2.14	6.28	1.77	2.04	3.03	4.26	4.23	4.90	5.00	7.18	2.36	46.68
1978	7.03	0.77	2.63	3.49	7.28	2.86	2.56	5.66	0.94	1.42	2.96	3.75	41.35
1979	5.03	5.71	3.19	11.86	2.43	1.46	3.62	7.28	6.08	2.17	5.19	0.69	54.71
1980	5.69	2.69	11.66	1.88	8.37	4.49	0.76	1.59	4.77	1.61	2.14	1.29	46.94
1981	0.84	6.62	3.93	2.06	3.89	2.69	2.74	2.76	5.27	3.01	1.85	6.25	41.91
1982	4.75	6.99	3.79	6.02	2.60	6.09	6.31	1.45	3.00	5.83	4.15	5.23	56.21
1983	3.09	4.99	6.68	4.79	1.42	1.52	1.85	1.06	7.52	1.97	7.46	9.27	51.62
1984	4.66	5.97	5.83	6.62	6.57	0.74	11.21	6.46	0.04	1.54	2.10	3.65	55.39
1985	4.11	4.98	1.86	2.75	4.69	2.04	9.92	4.57	2.63	5.74	4.23	2.28	49.80
1986	0.88	2.46	4.13	0.49	2.95	2.18	3.27	6.08	3.68	5.15	6.20	3.03	40.50
1987	5.63	6.13	5.44	1.16	2.74	6.36	7.35	1.22	3.02	0.70	2.36	4.13	46.24
1988	4.64	3.32	2.57	6.06	1.71	0.16	5.04	4.92	6.35	5.00	4.87	1.21	45.85
1989	2.57	4.30	3.85	5.24	6.42	9.34	7.65	2.13	11.64	1.71	3.97	4.49	63.31
1990	8.47	9.75	8.36	2.76	5.26	1.39	3.49	4.64	3.01	6.12	1.27	3.04	57.56
1991	4.66	3.10	6.98	5.28	7.35	9.99	5.82	4.37	2.03	0.39	3.19	2.69	55.85
1992	3.58	3.94	3.81	1.03	1.73	4.14	9.03	5.04	8.55	2.84	10.04	6.38	60.11
1993	3.94	4.43	5.73	2.77	4.87	6.01	3.05	2.96	3.91	3.83	4.01	2.54	48.05
1994	5.11	3.76	5.77	3.68	2.16	2.44	17.71	4.16	5.86	4.51	3.27	1.59	60.02
1995	3.36	6.74	2.66	3.00	2.12	3.97	0.57	5.82	2.52	11.04	7.40	3.57	52.77
1996	8.26	3.82	6.42	2.91	2.12	1.70	2.14	4.66	4.32	0.89	3.22	4.14	44.60
1997	5.65	7.93	2.18	4.28	3.36	3.91	4.71	1.32	4.83	5.12	3.34	5.05	51.68
1998	5.83	7.10	6.25	5.12	1.23	3.58	2.93	5.54	4.45	0.26	1.97	1.90	46.16
1999	5.33	1.97	3.32	1.14	4.42	5.83	3.43	1.26	4.19	2.41	3.34	2.21	38.85
2000	4.89	1.26	3.63	2.63	1.86	1.11	2.70	4.03	4.93	0.88	5.02	2.62	35.56
2001	2.77	3.61	9.08	3.29	3.31	6.69	2.54	1.03	2.19	0.79	0.87	2.22	38.39
2002	5.35	2.54	5.49	1.83	3.52	2.81	2.59	0.77	6.39	5.94	5.36	5.23	47.82
2003	2.00	3.51	7.08	3.44	9.94	7.34	5.35	3.48	2.42	1.49	4.17	2.69	52.91
POR= 55 YRS	4.71	4.63	5.51	3.91	3.74	3.89	4.73	3.81	3.46	2.73	3.39	4.24	48.75

WBAN : 13874

AVERAGE TEMPERATURE (°F) 2003 ATLANTA, GA (ATL)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1974	53.2	45.8	57.8	61.1	71.0	72.5	77.9	76.7	70.2	61.3	52.4	44.3	62.0
1975	47.2	47.1	50.5	59.8	71.0	75.3	76.4	77.9	70.3	63.3	54.0	43.4	61.4
1976	38.5	51.5	56.4	61.7	65.4	73.8	76.4	76.0	69.8	56.2	44.2	39.8	59.1
1977	29.3	42.0	55.3	63.0	69.9	77.1	79.5	77.7	73.5	59.6	54.3	42.1	60.3
1978	33.7	39.3	51.6	61.5	67.6	76.3	78.6	78.3	76.3	62.5	58.5	46.1	60.9
1979	37.3	41.7	56.2	62.7	70.1	75.7	78.8	80.1	72.7	62.4	54.3	46.7	61.6
1980	44.9	41.9	52.1	62.6	72.0	79.1	85.1	83.8	78.9	61.5	51.9	44.9	63.2
1981	39.5	46.8	51.8	67.7	67.6	81.3	82.2	77.7	72.4	60.2	54.5	39.1	61.7
1982	38.5	47.4	56.5	58.4	72.5	76.3	79.1	77.5	70.5	62.7	53.7	49.9	61.9
1983	40.4	44.4	51.3	56.4	67.8	74.0	81.4	81.4	70.8	62.1	51.5	39.9	60.1
1984	39.6	47.5	51.7	58.1	67.5	78.3	76.8	77.5	71.3	69.8	50.6	53.7	61.9
1985	36.3	44.2	56.8	64.0	69.9	77.5	78.4	77.6	72.5	66.4	62.0	41.4	62.3
1986	43.4	49.8	54.4	62.9	71.0	80.0	84.1	77.4	74.6	64.0	57.9	45.1	63.7
1987	41.9	45.7	53.2	60.3	73.2	77.8	81.0	82.0	74.1	59.7	55.7	48.8	62.8
1988	39.2	45.5	54.9	63.0	70.0	78.6	80.5	81.0	73.4	59.3	55.0	46.6	62.3
1989	49.7	47.5	56.8	62.9	68.8	76.9	79.8	79.4	72.9	64.2	54.3	39.1	62.7
1990	49.8	54.4	57.7	61.9	70.4	78.6	80.6	80.6	75.7	64.4	56.5	49.1	65.0
1991	44.3	49.2	56.2	65.9	72.8	76.7	81.0	79.2	74.8	64.6	51.0	49.1	63.7
1992	45.1	51.8	54.0	61.9	68.1	74.5	80.2	76.1	73.2	61.9	51.5	44.5	61.9
1993	47.0	45.2	51.7	59.4	71.1	79.3	85.4	82.1	76.7	63.3	53.9	45.3	63.4
1994	40.5	50.1	57.4	67.6	69.4	80.5	79.1	79.1	73.9	64.1	58.3	50.4	64.2
1995	46.3	46.4	58.9	65.8	74.4	77.0	84.3	80.7	71.0	62.0	47.7	42.8	63.1
1996	41.1	47.1	50.6	61.2	74.9	79.1	81.8	79.5	73.2	63.4	52.0	48.8	62.7
1997	46.7	51.1	60.6	57.7	64.8	71.5	78.9	76.6	73.3	61.8	47.8	42.9	61.1
1998	46.0	47.0	50.3	59.0	72.7	78.9	80.7	77.8	75.6	65.9	56.7	50.0	63.4
1999	48.0	49.8	50.5	65.1	68.9	74.9	79.2	81.9	73.1	62.5	56.7	47.1	63.1
2000	43.1	50.9	57.3	58.6	72.9	77.9	81.4	79.7	70.8	64.1	51.0	37.2	62.1
2001	41.7	50.8	50.4	63.5	70.0	74.4	78.6	78.8	71.3	60.7	59.8	50.1	62.5
2002	46.9	45.4	54.5	64.8	68.3	76.4	80.4	80.3	76.1	65.4	50.9	43.9	62.8
2003	40.1	46.4	55.7	61.7	69.0	74.4	77.9	79.1	72.1	63.5	57.6	43.3	61.7
POR= 55 YRS	43.3	46.2	53.2	61.5	69.7	76.5	78.9	78.1	73.4	63.0	52.6	44.9	61.8

HEATING DEGREE DAYS (base 65°F) 2003 ATLANTA, GA (ATL)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1974-75	0	0	26	148	381	633	547	493	451	192	2	0	2873
1975-76	0	0	28	113	342	665	814	384	265	124	48	4	2787
1976-77	0	0	10	277	618	775	1099	640	300	102	11	0	3832
1977-78	0	0	4	178	313	701	966	714	412	137	57	0	3482
1978-79	0	0	0	112	194	580	853	646	279	97	16	0	2777
1979-80	0	0	5	122	320	559	616	668	399	113	3	0	2805
1980-81	0	0	18	154	391	618	786	502	410	36	43	0	2958
1981-82	0	0	17	179	314	795	819	486	282	204	2	0	3098
1982-83	0	0	16	139	341	466	755	571	423	261	24	0	2996
1983-84	0	0	32	123	400	770	780	503	409	221	50	0	3288
1984-85	0	0	13	22	426	346	882	576	265	111	14	1	2656
1985-86	0	0	15	71	131	725	663	422	331	133	14	0	2505
1986-87	0	11	2	107	243	609	709	534	359	191	6	0	2771
1987-88	0	0	0	172	279	494	791	559	310	104	6	0	2715
1988-89	0	0	0	188	291	566	468	490	284	160	44	0	2491
1989-90	0	0	29	103	318	797	462	297	250	150	20	0	2426
1990-91	0	0	12	109	252	488	636	437	281	54	8	0	2277
1991-92	0	0	8	76	419	499	611	377	345	161	50	2	2548
1992-93	0	0	12	110	398	627	548	549	417	184	13	0	2858
1993-94	0	0	6	129	346	604	753	412	245	55	20	0	2570
1994-95	0	0	0	79	207	446	573	515	207	59	11	0	2097
1995-96	0	0	25	135	514	680	735	517	437	159	8	0	3210
1996-97	0	0	4	104	389	497	561	385	156	226	63	18	2403
1997-98	0	0	5	159	508	679	580	499	465	175	12	3	3085
1998-99	0	0	0	53	242	463	519	421	443	92	8	0	2241
1999-00	0	0	7	110	246	548	669	401	232	186	0	0	2399
2000-01	0	0	16	86	428	856	715	391	446	108	5	0	3051
2001-02	0	0	26	172	163	452	557	543	340	85	51	0	2389
2002-03	0	0	0	90	422	647	765	516	281	119	9	0	2849
2003-	0	0	14	80	250	664							

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COOLING DEGREE DAYS (base 65°F) 2003 ATLANTA, GA (ATL)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1974	0	1	24	42	198	229	405	368	187	41	11	0	1506
1975	0	0	6	44	195	313	359	406	193	63	21	0	1600
1976	0	1	8	30	67	273	359	346	159	11	0	0	1254
1977	0	0	3	51	171	367	456	403	266	17	1	0	1735
1978	0	0	2	40	144	346	428	420	345	40	7	1	1773
1979	0	0	13	33	181	327	436	475	243	49	5	0	1762
1980	0	4	4	49	227	428	632	589	440	51	0	0	2424
1981	0	0	9	124	131	494	540	398	246	36	4	0	1982
1982	2	0	25	13	243	346	446	394	192	73	8	6	1748
1983	0	0	3	10	118	278	515	512	212	40	0	0	1688
1984	0	0	2	21	132	405	372	397	210	178	1	2	1720
1985	0	0	18	88	172	381	423	401	248	119	49	0	1899
1986	0	0	11	74	208	455	599	401	300	83	34	0	2165
1987	0	0	2	60	266	391	502	531	281	12	6	2	2053
1988	0	0	5	49	169	416	490	502	258	18	0	0	1907
1989	0	7	36	101	170	364	467	452	273	85	6	0	1961
1990	0	5	26	66	194	415	490	488	341	98	2	0	2125
1991	0	0	20	89	258	358	502	446	305	70	4	13	2065
1992	0	1	13	73	155	292	478	349	265	20	0	0	1646
1993	0	0	11	22	208	435	639	536	364	80	19	0	2314
1994	0	2	19	141	167	470	445	447	274	60	13	0	2038
1995	0	0	23	91	311	368	608	494	211	47	2	0	2155
1996	0	8	2	54	322	429	527	456	255	64	7	2	2126
1997	3	3	28	13	62	221	438	366	264	68	0	0	1466
1998	0	0	16	4	257	426	494	407	323	88	3	5	2023
1999	0	0	0	103	136	305	446	531	256	39	1	0	1817
2000	0	0	3	4	253	396	515	464	196	64	16	0	1911
2001	0	0	0	69	166	288	429	435	224	45	13	0	1669
2002	3	0	21	89	161	350	486	477	338	112	6	0	2043
2003	0	0	3	26	140	290	408	444	235	40	35	0	1621

SNOWFALL (inches) 2003 ATLANTA, GA (ATL)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1974-75	0.0	0.0	0.0	0.0	0.0	T	T	T	T	0.0	0.0	0.0	T
1975-76	0.0	0.0	0.0	0.0	0.6	0.0	T	T	T	0.0	0.0	0.0	0.6
1976-77	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
1977-78	0.0	0.0	0.0	0.0	0.0	T	T	0.3	T	0.0	0.0	0.0	0.3
1978-79	0.0	0.0	0.0	0.0	0.0	0.0	0.2	4.4	0.0	0.0	0.0	0.0	4.6
1979-80	0.0	0.0	0.0	0.0	0.0	0.0	T	1.7	2.7	0.0	0.0	0.0	4.4
1980-81	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	0.0	T
1981-82	0.0	0.0	0.0	0.0	0.0	T	7.0	0.7	0.0	0.0	0.0	0.0	7.7
1982-83	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.5	7.9	0.0	0.0	0.0	10.3
1983-84	0.0	0.0	0.0	0.0	0.0	T	T	1.3	T	0.0	0.0	0.0	1.3
1984-85	0.0	0.0	0.0	0.0	0.0	T	0.4	1.5	0.0	0.0	0.0	0.0	1.9
1985-86	0.0	0.0	0.0	0.0	0.0	T	0.4	T	0.0	0.0	0.0	0.0	0.4
1986-87	0.0	0.0	0.0	0.0	0.0	0.0	3.6	T	1.2	T	0.0	0.0	4.8
1987-88	0.0	0.0	0.0	0.0	0.0	0.0	4.2	T	0.0	0.0	0.0	0.0	4.2
1988-89	0.0	0.0	0.0	0.0	0.0	T	0.0	0.7	0.0	T	0.0	0.0	0.7
1989-90	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	T	0.0	0.0	1.3
1990-91	0.0	0.0	0.0	0.0	0.0	0.0	2.1	T	T	0.0	0.0	0.0	2.1
1991-92	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	T	0.0	0.0	0.0	5.0
1992-93	0.0	0.0	0.0	0.0	0.0	T	0.0	T	4.2	0.0	0.0	0.0	4.2
1993-94	0.0	0.0	0.0	T	0.0	2.8	T	0.0	0.0	0.0	0.0	0.0	2.8
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	T	0.4	0.0	0.0	0.0	0.0	0.4
1995-96	0.0	0.0	0.0	0.0	0.0	0.0	1.4						
1996-97													
1997-98													
1998-99													
1999-00							T						
2000-01	0.0	0.0	0.0	0.0	T	3.0	0.1	0.0	0.0	0.0	0.0	0.0	3.1
2001-02	T	0.0	0.0	0.0	0.0	0.0	4.6		0.0				
2002-03													
2003-													
POR= 51 YRS	0.0	0.0	0.0	T	T	0.2	0.9	0.5	0.4	T	0.0	0.0	2.0

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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>
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# 2003 ATLANTA, GEORGIA (ATL)

Atlanta is located in the foothills of the southern Appalachians in north-central Georgia. The terrain is rolling to hilly and slopes downward toward the east, west, and south so that drainage of the major river systems is generally into the Gulf of Mexico from the western and southern sections of the city and to the Atlantic from the eastern portions of the city.

The Gulf of Mexico and the Atlantic Ocean are approximately 250 miles south and southeast of the city, respectively. Both the Appalachian chain of mountains and the two nearby maritime bodies exert an important influence on the Atlanta climate. Temperatures are moderated throughout the year while abundant precipitation fosters natural vegetation and growth of crops. Summer temperatures in Atlanta are moderated somewhat by elevation but are still rather warm. However, prolonged periods of hot weather are unusual and 100 degree heat is rarely experienced.

With the mountains to the north tending to retard the southward movement of Polar air masses, Atlanta winters are rather mild. Cold spells are not unusual but they are rather short-lived and seldom disrupt outdoor activities for an extended period of time. Late March is the average date of the last temperature of 32 degrees in the spring and mid-November is the average date of the first temperature of 32 degrees in the fall, which gives an average growing season of about 234 days.

Minimum dry precipitation periods occur mainly during the late summer and early autumn. Maximum thunderstorm activity occurs during July, but severe local thunderstorms occur most frequently in March, April, and May, some spawning highly damaging tornadoes.

The average annual snowfall varies widely from year to year. A fall of 4 inches or more occurs about once every five years. Most snows melt in a short period of time due to the rapid warming which often follows the storm. Ice storms, freezing rain or glaze, occur about two out of every three years, causing hazardous travel and disruption of utilities. Severe ice storms occur about once in ten years, causing major disruption of utilities and significant property damage.

The Bermuda High pressure area has a dominant effect on Atlanta weather, particularly in the summer months. East or northeast winds produce the most unpleasant weather although southerly winds are quite humid during the summer. The generally light wind conditions contribute to the formation of an occasional early morning fog.

# STATION LOCATION

ATLANTA, GEORGIA

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	LATITUDE		ELEVATION ABOVE										AUTOMATIC OBSERVING EQUIPMENT *	* TYPE M = AMOS T = AUTOB S = ASOS W = AWOS  REMARKS	
				NORTH	WEST	SEA LEVEL	GROUND											
							GROUND	WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING GAUGE	WEIGHING RAIN GAUGE	8 INCH RAIN GAUGE	HYGROMETER			
*NOTE: <u>AIRPORT</u> Administration Building Municipal Airport 8 miles south of P.O.  Old Terminal Building Municipal Airport #    Southern Airway Company Building, Atlanta Municipal Airport + Hartsfield Atlanta International AP (Effective 1970)  Airport Int'l Center Atlanta-Hartsfield Int'l Airport  Hartsfield Atlanta International AP	11/1/28  5/5/32  4/2/62  6/2/76  6/2/76  08/01/95	5/5/32  4/2/62  6/2/76  08/01/95  Present	NA  500 ft.S  0.9mi.WS  0.6mi.NNE  NA	33°39'  33°39'  33°39'  33°39'  33°38'	84°25'  84°25'  84°26'  84°26'  84°26'	973  g1010  1010  1010  g971	  53 c72 h20  i20  j20  g971	  5 d34 d34  5  136 135  j8 k146 o98  j3 m144 n83  134 n83	  *Unk f12  8  j8 k146 o98  j3 m144 n83  134 n83	  32  3  3  3  133	  e32  5  5  133	  e32  3  3  133	  g5  i5  j5  S	  * Installed Dec. 1934? # Airport records official for Atlanta area effective 12/1/34. c. Effective October 1938. d. Effective 6/27/42. e. Installed 4/12/48. f. Effective 6/12/56. g. Telepsychrometer (5') 11/29/48-11/1/60, Hygro. comm. 11/1/60 about 3600' WSW office. Elevation of ground 1010'. h. Effective 12/7/61. i. Not moved 4/2/62. j. Not moved 6/2/76. k. Moved 7/16/76. m. Moved 6/1/77. n. Moved 3/5/92. o. Moved 4/24/92. p. Corrected 6/97.  ASOS Commissioned 08/01/95  g. Ground Elevation				

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\* NOTES: For earlier station history see previous edition.