

1999

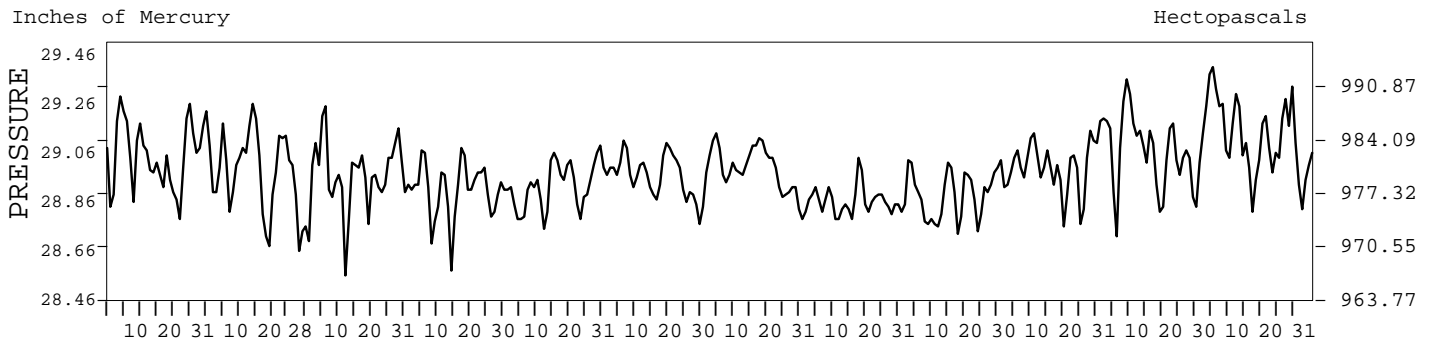
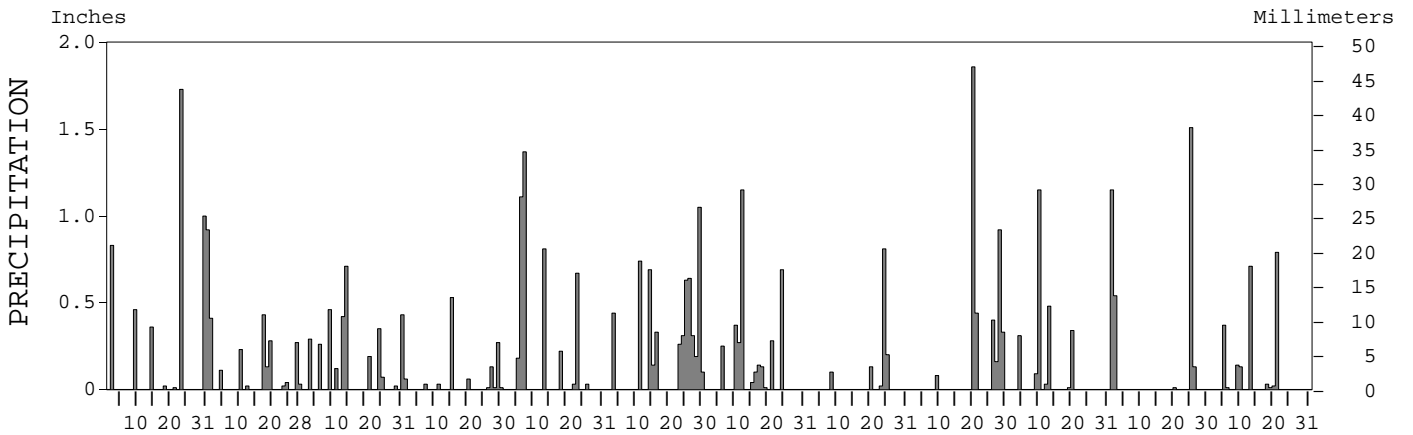
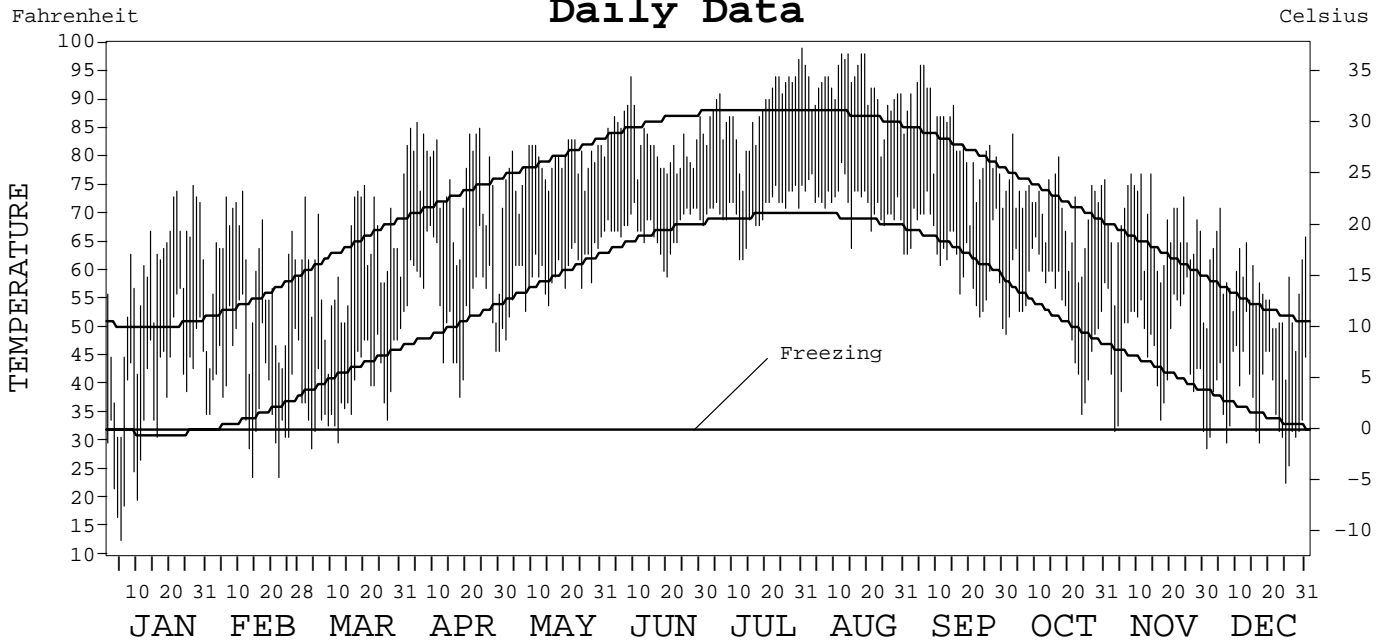
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-1560

ATLANTA,
GEORGIA (ATL)

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
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METEOROLOGICAL DATA FOR 1999

ATLANTA, GA (ATL)

LATITUDE: 33° 38' 25" N LONGITUDE: 84° 25' 37" W ELEVATION (FT): GRND: 972 BARO: 972 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	58.2	59.5	61.7	75.2	78.6	82.6	87.9	91.9	83.3	71.5	67.0	56.9	72.9	
	HIGHEST DAILY MAXIMUM	75	74	75	86	83	94	99	98	96	84	77	71	99	
	DATE OF OCCURRENCE	27	11	20	05	23+	09	31	19+	06+	03	14+	05	JUL 31	
	MEAN DAILY MINIMUM	37.8	40.0	39.2	55.0	59.2	67.2	70.4	71.8	62.9	53.5	46.3	37.2	53.4	
	LOWEST DAILY MINIMUM	13	24	29	38	48	59	62	63	50	35	32	23	13	
	DATE OF OCCURRENCE	05	22+	4	18	02	20	13+	31	30	24	30+	25	JAN 05	
	AVERAGE DRY BULB	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	
	MEAN WET BULB	42.8	44.1	42.4	57.6	60.9	68.5	72.7	71.7	63.5	56.7	50.2	41.7	56.1	
	MEAN DEW POINT	36.1	36.6	32.2	52.0	55.1	65.2	70.1	66.8	57.0	52.2	43.9	35.0	50.2	
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	0	1	14	23	6	0	0	0	0	44
	MAXIMUM ≤ 32°	2	0	0	0	0	0	0	0	0	0	0	0	0	2
MINIMUM ≤ 32°	9	7	3	0	0	0	0	0	0	0	2	12	33		
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	519	421	443	92	8	0	0	0	7	110	246	548	2394	
	COOLING DEGREE DAYS	0	0	0	103	136	305	446	531	256	39	1	0	1817	
RH	MEAN (PERCENT)	67	65	55	67	64	76	77	64	61	73	68	68	67	
	HOUR 01 LST	69	74	59	74	74	82	89	76	70	80	76	73	75	
	HOUR 07 LST	79	79	73	85	77	88	91	82	77	87	83	80	82	
	HOUR 13 LST	57	55	46	56	51	65	62	49	48	61	53	56	55	
	HOUR 19 LST	61	56	46	54	55	68	68	53	52	67	61	62	59	
S	PERCENT POSSIBLE SUNSHINE								72	76	70				
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	1	2	3	1	0	0	0	0	0	4	1	0	12	
	THUNDERSTORMS	1	4	4	2	7	5	8	3	3	0	2	0	39	
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.)	29.05	28.99	28.95	28.91	28.93	28.97	28.99	28.87	28.89	29.03	29.07	29.11	28.98	
	MEAN SEA-LEVEL PRESS. (IN.)	30.17	30.10	30.06	30.00	30.01	30.04	30.07	29.94	29.97	30.12	30.17	30.16	30.07	
WINDS	RESULTANT SPEED (MPH)	0.8	2.9	3.2	2.5	0.8	0.9	1.7	0.9	2.8	2.8	2.5	1.9	1.6	
	RES. DIR. (TENS OF DEGS.)	30	29	33	28	01	02	29	32	01	03	33	31	33	
	MEAN SPEED (MPH)	8.3	7.5	9.3	8.6	6.5	6.7	5.8	6.3	6.6	6.9	6.7	7.6	7.2	
	PREVAIL. DIR. (TENS OF DEGS.)	30	32	32	24	08	08	29	31	08	07	30	29	32	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	32	32	33	31	33	28	24	30	32	28	29	23	33	
	DIR. (TENS OF DEGS.)	08	30	30	02	26	01	26	32	35	32	29	28	26	
	DATE OF OCCURRENCE	31	28	03	30	23	29	24+	08	21	18	02	26+	MAY 23	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	39	41	39	39	43	31	32	38	40	36	36	29	43	
DIR. (TENS OF DEGS.)	06	30	29	01	27	01	24	32	33	32	28	25	27		
DATE OF OCCURRENCE	31	28	03	30	23	29	24+	08	16	18	02	24	MAY 23		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	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	
	GREATEST 24-HOUR (IN.)	1.73	0.56	1.13	0.53	2.41	1.08	1.25	0.83	1.86	1.15	1.69	0.79	2.41	
	DATE OF OCCURRENCE	23	17-18	13-14	15	06-07	28-29	11-12	23-24	20	10	01-02	21	MAY 06-07	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	8	11	11	10	8	13	11	5	7	7	5	9	105	
PRECIPITATION ≥ 0.10	6	7	9	3	6	13	9	4	6	4	4	5	76		
PRECIPITATION ≥ 1.00	2	0	0	0	2	1	1	0	1	1	2	0	10		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)														
	GREATEST 24-HOUR (IN.)														
	DATE OF OCCURRENCE														
	MAXIMUM SNOW DEPTH (IN.)	0	0	0	0	0	0	0	0	0	0	0	0	0	
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: 972 BARO: 972 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	50.4	55.0	64.3	72.7	79.6	85.8	88.0	87.1	81.8	72.7	63.4	54.0	71.2
	MEAN DAILY MAXIMUM	54	52.0	56.3	63.8	72.8	80.2	86.3	88.6	87.8	82.1	72.9	62.8	54.1	71.6
	HIGHEST DAILY MAXIMUM	51	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.	54	69.3	72.9	80.1	85.1	89.6	94.4	95.7	94.5	91.8	84.3	77.0	70.8	83.8
	NORMAL DAILY MINIMUM	30	31.5	34.5	42.5	50.2	58.7	66.2	69.5	69.0	63.5	51.9	42.8	35.0	51.3
	MEAN DAILY MINIMUM	54	33.7	36.1	42.5	50.9	59.4	66.6	69.9	69.3	64.0	52.6	42.5	35.7	51.9
	LOWEST DAILY MINIMUM	51	-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.	54	14.7	19.0	25.7	35.2	46.3	56.7	63.9	62.5	51.1	37.7	26.4	18.7	38.2
	NORMAL DRY BULB	30	41.0	44.8	53.5	61.5	69.2	76.0	78.8	78.1	72.7	62.3	53.1	44.5	61.3
	MEAN DRY BULB	54	42.9	46.2	53.1	61.9	69.9	76.5	79.2	78.6	73.0	62.8	52.7	44.9	61.8
	MEAN WET BULB	15	39.1	42.2	47.4	53.9	62.3	69.0	72.2	71.3	66.0	53.1	48.5	38.9	55.3
	MEAN DEW POINT	15	32.3	34.5	39.1	46.3	57.0	64.6	68.7	67.8	61.8	48.2	42.5	33.1	49.7
	NORMAL NO. DAYS WITH:														
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.1	1.0	8.0	11.6	9.2	3.0	0.0	0.0	0.0	32.9	
MAXIMUM ≤ 32°	30	1.7	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*	0.5	2.5	
MINIMUM ≤ 32°	30	16.7	12.8	5.1	0.5	0.0	0.0	0.0	0.0	0.0	0.2	4.9	13.2	53.4	
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	744	566	365	138	27	0	0	0	10	138	367	636	2991
	NORMAL COOLING DEG. DAYS	30	0	0	8	33	157	330	428	406	241	54	10	0	1667
RH	NORMAL (PERCENT)	30	68	63	62	61	67	70	74	75	74	68	68	68	68
	HOUR 01 LST	30	73	69	69	69	77	80	85	85	83	78	75	74	76
	HOUR 07 LST	30	78	76	78	78	82	84	88	90	88	84	81	79	82
	HOUR 13 LST	30	59	54	51	49	53	56	60	60	60	53	55	58	56
	HOUR 19 LST	30	62	56	54	50	57	60	66	66	66	67	63	64	61
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)	65	4.8	3.3	2.7	1.4	1.3	1.0	1.5	1.6	2.0	2.2	3.1	4.2	29.1
	THUNDERSTORMS	65	1.2	2.0	3.5	4.2	5.9	8.4	9.9	7.6	3.1	1.0	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)	26	29.02	28.98	28.93	28.93	28.92	28.93	28.97	28.98	28.98	29.01	29.02	29.02	28.97
	MEAN SEA-LEVEL PRES. (IN)	15	30.13	30.08	30.05	30.00	30.00	30.00	30.04	30.02	30.04	30.09	30.13	30.15	30.06
WINDS	MEAN SPEED (MPH)	54	10.4	10.6	10.8	10.1	8.8	8.1	7.7	7.2	8.1	8.6	9.2	9.8	9.1
	PREVAIL. DIR (TENS OF DEGS)	35	32	32	32	30	30	27	29	08	09	08	32	32	32
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	4	37	38	34	44	37	38	32	39	32	28	33	30	44
	DIR. (TENS OF DEGS)		26	07	03	03	01	32	07	07	35	32	30	30	03
	YEAR OF OCCURRENCE		1997	1998	1996	1996	1996	1998	1997	1996	1999	1999	1996	1998	APR 1996
	MAXIMUM 5-SECOND:														
SPEED (MPH)	4	48	47	41	52	45	51	40	59	40	36	43	38	59	
DIR. (TENS OF DEGS)		25	08	31	32	27	28	07	25	33	32	29	30	25	
YEAR OF OCCURRENCE		1996	1998	1997	1996	1997	1998	1997	1997	1999	1999	1996	1996	AUG 1997	
PRECIPITATION	NORMAL (IN)	30	4.75	4.81	5.77	4.26	4.29	3.56	5.01	3.66	3.42	3.05	3.86	4.33	50.77
	MAXIMUM MONTHLY (IN)	65	10.82	12.77	11.66	11.86	8.37	9.99	17.71	8.69	11.64	11.04	15.72	9.92	17.71
	YEAR OF OCCURRENCE		1936	1961	1980	1979	1980	1991	1994	1967	1989	1995	1948	1961	JUL 1994
	MINIMUM MONTHLY (IN)	65	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)	65	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	11.7	9.8	10.7	8.4	9.4	9.9	12.0	9.3	7.8	6.3	9.1	10.0	114.4	
PRECIPITATION ≥ 1.00	30	1.3	1.5	1.9	1.2	1.0	1.0	1.5	0.9	1.1	1.1	1.2	1.3	15.0	
SNOWFALL	NORMAL (IN)	30	1.0	0.6	0.4	T	0.0	0.0	0.0	0.0	0.0	0.1	0.2	2.3	
	MAXIMUM MONTHLY (IN)	62	8.3	4.4	7.9	T	0.0	0.0	0.0	0.0	0.0	T	1.0	2.8	
	YEAR OF OCCURRENCE		1940	1979	1983	1990						1993	1968	1993	JAN 1940
	MAXIMUM IN 24 HOURS (IN)	62	8.3	4.2	7.9	T	0.0	0.0	0.0	0.0	0.0	T	1.0	2.8	
	YEAR OF OCCURRENCE		1940	1979	1983	1990						1993	1968	1993	JAN 1940
	MAXIMUM SNOW DEPTH (IN)	51	9	4	4	0	0	0	0	0	0	0	1	1	9
	YEAR OF OCCURRENCE		1948	1979	1993								1975	1993	JAN 1948
NORMAL NO. DAYS WITH:															
SNOWFALL ≥ 1.0	30	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.*	0.1	0.7	

PRECIPITATION (inches) 1999 ATLANTA, GA (ATL)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	2.95	2.99	6.94	3.24	3.01	2.62	3.59	3.26	1.82	6.29	1.86	3.68	42.25
1971	4.40	5.77	8.65	4.09	2.12	3.33	8.22	2.76	3.32	0.31	3.42	2.79	49.18
1972	9.26	3.16	4.49	2.31	4.28	4.04	3.81	2.78	1.86	3.04	3.96	7.62	50.61
1973	8.89	3.44	9.53	4.03	7.14	3.35	2.10	1.35	4.16	0.75	2.31	8.11	55.16
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
POR= 51 YRS	4.76	4.76	5.43	3.97	3.65	3.82	4.82	3.90	3.40	2.74	3.33	4.30	48.88

WBAN : 13874

AVERAGE TEMPERATURE (°F) 1999 ATLANTA, GA (ATL)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	35.9	43.9	52.9	64.4	70.1	74.6	78.7	79.1	77.0	65.2	49.5	47.4	61.6
1971	42.9	44.3	47.5	60.8	66.7	77.2	76.3	76.7	73.7	66.8	50.7	52.3	61.3
1972	46.8	42.6	52.4	61.3	66.5	72.2	76.8	77.7	74.6	61.1	49.6	48.3	60.8
1973	41.4	42.8	57.4	57.6	65.0	75.6	78.9	77.4	75.6	64.7	55.6	44.2	61.4
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
POR= 51 YRS	43.3	46.0	53.0	61.4	69.6	76.5	78.8	78.1	73.3	62.9	52.4	44.9	61.7

HEATING DEGREE DAYS (base 65°F) 1999 ATLANTA, GA (ATL)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1970-71	0	0	3	64	457	537	681	572	533	156	56	0	3059
1971-72	0	0	0	36	436	390	559	643	387	161	21	5	2638
1972-73	0	0	3	136	465	511	725	617	240	230	72	0	2999
1973-74	0	0	1	86	295	639	357	531	241	155	5	0	2310
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-	0	0	7	110	246	548							

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COOLING DEGREE DAYS (base 65°F) 1999 ATLANTA, GA (ATL)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	0	0	0	80	178	292	430	442	371	77	0	0	1870
1971	0	0	0	38	115	374	358	371	265	95	13	5	1634
1972	0	0	3	56	72	227	370	396	297	25	7	0	1453
1973	0	0	11	15	78	322	438	388	323	79	20	0	1674
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

SNOWFALL (inches) 1999 ATLANTA, GA (ATL)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1970-71	0.0	0.0	0.0	0.0	0.0	T	T	1.0	T	T	0.0	0.0	1.0
1971-72	0.0	0.0	0.0	0.0	T	1.0	T	T	T	0.0	0.0	0.0	1.0
1972-73	0.0	0.0	0.0	0.0	0.0	0.0	1.0	T	0.0	0.0	0.0	0.0	1.0
1973-74	0.0	0.0	0.0	0.0	0.0	T	0.0	T	T	0.0	0.0	0.0	T
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-													
POR= 49 YRS	0.0	0.0	0.0	T	T	0.2	0.9	0.5	0.4	T	0.0	0.0	2.0

WBAN : 13874

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 (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.</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 EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p>
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1999
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 NORTH	LONGITUDE WEST	ELEVATION ABOVE											* Type	REMARKS
						SEA LEVEL	GROUND											
							G	W	E	P	S	T	R	W	8	H		
CITY - - NOTE: For period October 10, 1878 through March 15, 1889, refer to previous editions.																		
Gould Building, 7th fl. 10 Decatur Street	3/15/89	5/31/91	800 ft. SE	33° 45'	84° 23'	1043	107	98	98						95			
Public Building @ Marietta & Forsyth Sts.	5/31/91	7/1/91	800 ft. NW	33° 45'	84° 23'	1057	123	93	93						85	@ Formerly U.S. Custom House		
Prudential Building & Walton & Broad Sts.	7/1/91	8/22/01	300 ft. E	33° 45'	84° 23'	1058	156	139	139		\$134			132	¢ Renamed Grant Building Commissioned 4/14/97.			
Empire Building & Forsyth & Broad Sts.	8/22/01	3/15/34	300 ft. SSE	33° 45'	84° 23'	1052	216 a198	190	190		185			183	% Later names Atlanta Trust Co. Building; C & S Nat'l Bank Bldg. a - Effective 11/18/30.			
Federal Annex, Between Forsyth & Spring Sts. at Hunter Street	3/15/34	4/30/54	1500 ft. SW	33° 45'	84° 23'	1054	135	128 b128	128		121	120 b120	120 b120		b - Only instruments in use after January 1942.			
AIRPORT																		
Administration Building Municipal Airport 8 miles south of P.O.	11/1/28	5/5/32	NA	33° 39'	84° 25'	973		5	5									
Old Terminal Building Municipal Airport #	5/5/32	4/2/62	500 ft. S	33° 39'	84° 25'	975 g1010	53 c72 n20	5 d34	5 d34	*Unk f12	32	e32	e32	g5	* - 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 - Telesychrometer (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. j - Not moved 4/2/62. k - Not moved 6/2/76. l - Moved 7/16/76. m - Moved 6/1/77. n - Moved 3/5/92. o - Moved 4/24/92. p - Corrected 6/97.			
Southern Airway Company Building, Atlanta Municipal Airport + Hartsfield Atlanta International AP (Effective 1970)	4/2/62	6/2/76	0.9 mi. WSW	33° 39'	84° 26'	1010	i20	5	4	8	3	5	3	i5	NA			
Airport Int'l Center Atlanta-Hartsfield Int'l Airport	6/2/76	08/01/95	0.6 mi. NNE	33° 39'	84° p26'	1010	j20	136	135	k146 o98	j8 ml44 n83	134 n83	133	j5				
Hartsfield Atlanta International AP	08/01/95	Present	NA	33° 38'	84° 26'	972									S ASOS Commissioned 08/01/95			

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