

1999

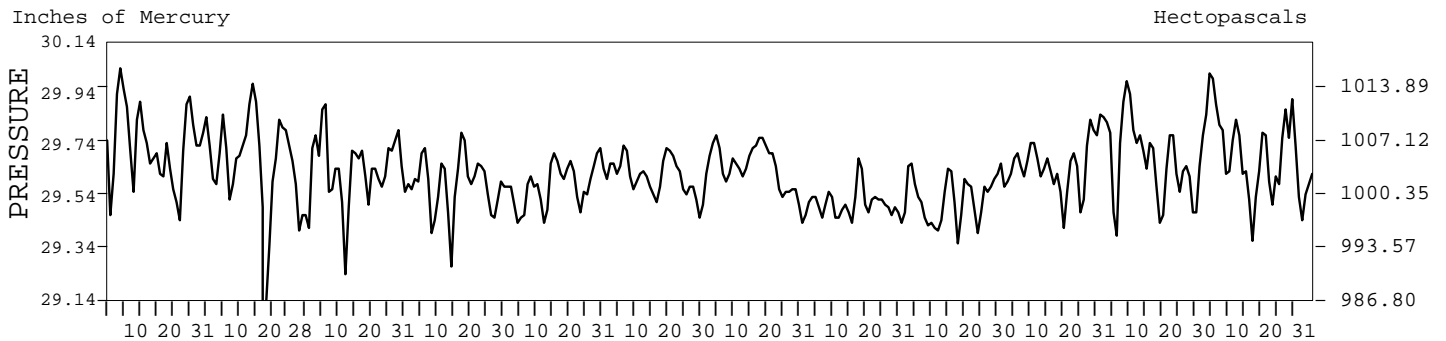
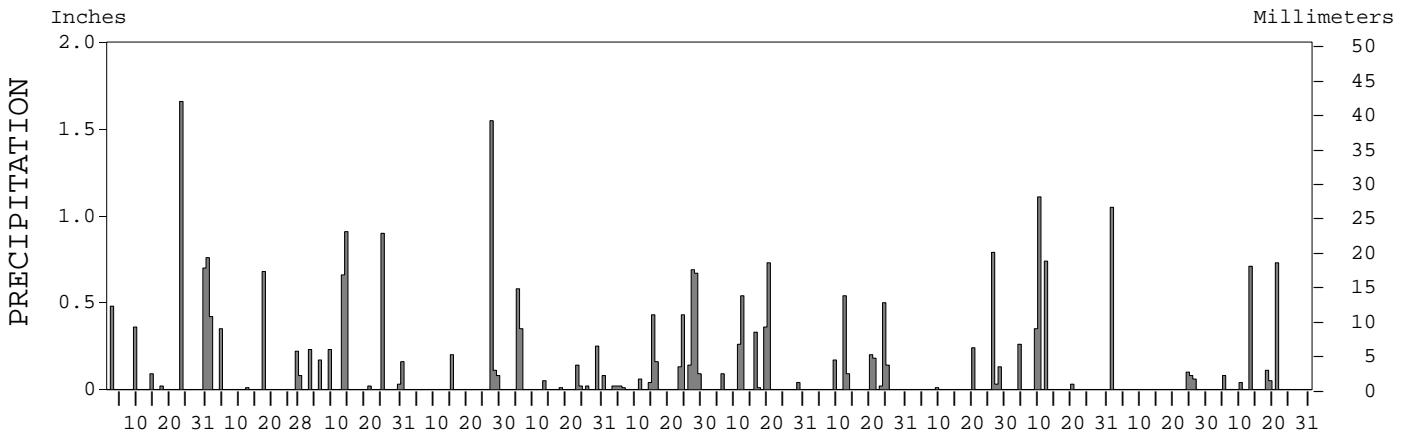
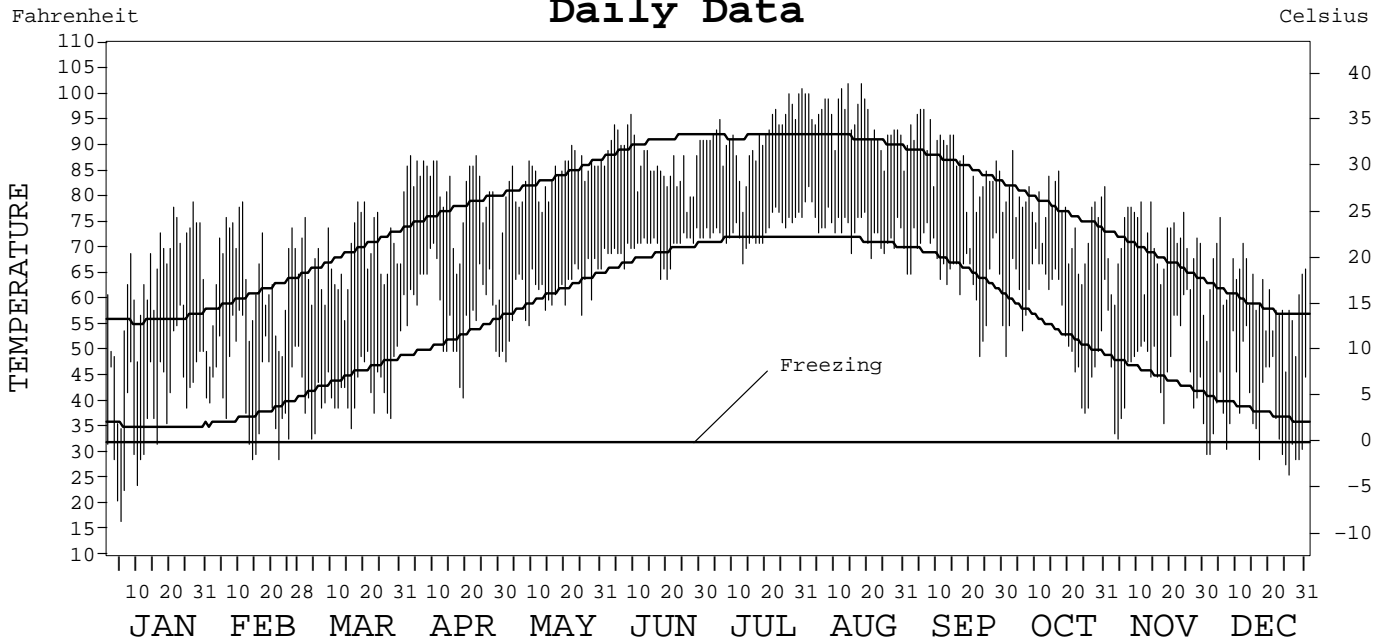
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-1609

COLUMBUS,
GEORGIA (CSG)

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

COLUMBUS, GA (CSG)

LATITUDE: 32° 30' 58" N LONGITUDE: 84° 56' 32" W ELEVATION (FT): GRND: 446 BARO: 446 TIME ZONE: EASTERN (UTC + 5) WBAN: 93842

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	63.0	64.4	68.4	80.0	83.7	86.9	91.7	94.9	87.0	76.8	70.4	61.1	77.4	
	HIGHEST DAILY MAXIMUM	79	79	79	88	90	96	101	102	97	89	79	76	102	
	DATE OF OCCURRENCE	27	11	20+	23+	22	09	31	18+	06+	03	14+	05	AUG 18+	
	MEAN DAILY MINIMUM	39.5	43.1	42.3	58.1	61.2	70.0	73.4	73.9	65.7	56.4	47.0	38.0	55.7	
	LOWEST DAILY MINIMUM	17	29	33	41	48	64	67	68	49	38	33	26	17	
	DATE OF OCCURRENCE	05	22+	04	19	02	20+	13	21	23	25	04	26	JAN 05	
	AVERAGE DRY BULB	51.3	53.8	55.4	69.1	72.5	78.5	82.6	84.4	76.4	66.6	58.7	49.6	66.6	
	MEAN WET BULB	46.3		46.5	60.6	63.5		74.4			59.8	51.7	43.9		
	MEAN DEW POINT	40.1		35.9	54.2	57.5		71.0			54.8	44.9	36.9		
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	1	9	23	27	13	0	0	0	0	73
	MAXIMUM ≤ 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINIMUM ≤ 32°	10	4	0	0	0	0	0	0	0	0	0	11	25	
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	419	315	292	50	4	0	0	0	0	69	190	471	1810	
	COOLING DEGREE DAYS	2	7	0	178	242	410	556	610	348	123	6	0	2482	
RH	MEAN (PERCENT)	69	65	54	64	64	72	72	66	60	70	66	66	66	
	HOURLY 01 LST	77	72	63	73	78	83	84	77	71	79	77	75	76	
	HOURLY 07 LST	83	84	73	83	80	85	89	83	78	85	84	82	82	
	HOURLY 13 LST	57	51	40	50	45	58	56	47	47	56	47	50	50	
	HOURLY 19 LST	60	51	39	48	53	65	63	54	51	63	60	59	56	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	2	4	0	2	0	0	0	0	1	2	1	0	12	
	THUNDERSTORMS	4	3	6	2	8	8	10	7	1	0	0	0	49	
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.)	29.74		29.64	29.59	29.59	29.62	29.65	29.52	29.54	29.68	29.69	29.68		
	MEAN SEA-LEVEL PRESS. (IN.)	30.17			30.00	30.00		30.05			30.10	30.17	30.16		
WINDS	RESULTANT SPEED (MPH)	0.3		1.4	2.7	1.0	0.5	0.6	0.5	2.7	2.7	1.6	0.7		
	RES. DIR. (TENS OF DEGS.)	15		33	26	01	07	30	25	04	04	01	34		
	MEAN SPEED (MPH)	6.3	5.5	7.0	7.1	5.8	6.3	5.3	4.8	6.2	5.8	4.7	5.6	5.9	
	PREVAIL. DIR. (TENS OF DEGS.)	09	29	30	27	07	08	09	30	08	08	07	08	08	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	28	29	32	38	37	32	22	33	22	21	25	24	38	
	DIR. (TENS OF DEGS.)	16	31	29	25	28	31	33	13	01	08	26	20	25	
	DATE OF OCCURRENCE	22	28+	03	27	06	05	29	12	16+	16+	01	05	APR 27	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	36	36	40	46	47	46	31	46	31	25	32	30	47	
DIR. (TENS OF DEGS.)	21	27	28	25	28	32	33	14	33	14	32	20	28		
DATE OF OCCURRENCE	23	28+	03	27	06	05	29	12	16	08	02	05	MAY 06		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	4.07	1.76	3.31	1.94	1.50	2.91	2.36	1.84	1.20	2.49	1.29	1.72	26.39	
	GREATEST 24-HOUR (IN.)	1.66	0.68	1.57	1.55	0.58	1.24	0.73	0.63	0.82	1.46	1.05	0.73	1.66	
	DATE OF OCCURRENCE	23	17	13-14	27	05	27-28	20	12-13	26-27	09-10	01	21	JAN 23	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	7	6	9	4	9	14	8	8	5	5	4	6	85	
PRECIPITATION ≥ 0.10	5	4	7	3	4	7	5	6	3	4	2	3	53		
PRECIPITATION ≥ 1.00	1	0	0	1	0	0	0	0	0	1	1	0	4		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	GREATEST 24-HOUR (IN.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	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	0	0	0	0	0	0	0	0	0	0	0	0	0		

NORMALS, MEANS, AND EXTREMES

COLUMBUS, GA (CSG)

LATITUDE: 32° 30' 58" N LONGITUDE: 84° 56' 32" W ELEVATION (FT): GRND: 446 BARO: 446 TIME ZONE: EASTERN (UTC + 5) WBAN: 93842

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	56.1	61.0	69.1	77.3	83.6	90.4	91.8	91.2	86.2	77.6	68.2	59.0	76.0
	MEAN DAILY MAXIMUM	43	56.7	61.0	68.5	77.1	83.7	89.3	91.5	90.9	86.1	77.2	68.0	59.5	75.8
	HIGHEST DAILY MAXIMUM	54	83	83	89	93	97	104	104	103	100	96	86	82	104
	YEAR OF OCCURRENCE		1949	1996	1982	1986	1996	1978	1986	1995	1990	1954	1961	1977	JUL 1986
	MEAN OF EXTREME MAXS.	52	73.2	76.4	83.1	87.9	92.5	97.2	98.1	97.1	94.5	87.7	80.5	75.1	86.9
	NORMAL DAILY MINIMUM	30	35.2	37.6	45.1	52.2	61.0	68.4	71.8	71.4	66.3	54.1	45.0	38.2	53.9
	MEAN DAILY MINIMUM	43	35.8	38.3	44.6	52.1	60.7	68.5	71.8	71.3	66.3	54.3	44.9	38.2	53.9
	LOWEST DAILY MINIMUM	54	-2	10	16	28	39	44	59	57	38	24	10	4	-2
	YEAR OF OCCURRENCE		1985	1996	1980	1950	1963	1956	1967	1952	1967	1952	1950	1962	JAN 1985
	MEAN OF EXTREME MINS.	52	17.9	21.7	28.0	35.6	46.9	58.0	65.7	63.7	53.2	37.5	28.2	21.5	39.8
	NORMAL DRY BULB	30	45.7	49.3	57.2	64.8	72.3	79.5	81.9	81.4	76.4	66.0	56.7	48.6	65.0
	MEAN DRY BULB	52	46.9	50.1	56.5	64.6	72.2	79.0	81.6	80.9	76.0	65.6	55.6	48.9	64.8
	MEAN WET BULB	47	42.4	44.1	50.3	56.8	64.5	70.5	73.5	73.2	68.7	58.9	50.3	44.6	58.1
	MEAN DEW POINT	47	36.7	37.8	43.8	50.8	59.8	66.5	70.7	70.3	65.4	54.5	45.3	39.2	53.4
	NORMAL NO. DAYS WITH:														
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.5	5.3	16.4	20.9	20.2	10.4	0.7	0.0	0.0	74.4	
MAXIMUM ≤ 32°	30	0.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	
MINIMUM ≤ 32°	30	14.3	9.9	3.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	4.0	11.2	42.8	
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	0.0	
H/C	NORMAL HEATING DEG. DAYS	30	607	440	260	76	7	0	0	0	0	86	268	517	2261
	NORMAL COOLING DEG. DAYS	30	9	0	18	70	234	435	524	508	342	117	19	8	2284
RH	NORMAL (PERCENT)	30	71	68	67	65	70	70	75	75	75	72	73	73	71
	HOUR 01 LST	30	78	76	77	78	83	83	86	87	86	84	83	81	82
	HOUR 07 LST	30	83	83	86	87	87	87	91	92	91	89	88	85	87
	HOUR 13 LST	30	59	54	52	47	51	52	57	57	57	51	54	58	54
	HOUR 19 LST	30	65	58	54	51	56	59	66	67	68	67	70	70	63
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	50	3.4	2.2	1.3	1.1	1.0	0.6	1.0	0.7	0.7	1.0	1.8	3.6	18.4
	THUNDERSTORMS	50	1.5	2.1	3.9	4.3	6.4	8.3	12.8	8.4	3.5	1.1	1.2	0.3	53.8
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	1					3.2	6.4	6.4			6.4			
	MIDNIGHT-MIDNIGHT (OKTAS)	1					3.2	6.4	6.4	4.0					
	MEAN NO. DAYS WITH:														
CLEAR	1	1.0	1.0	2.0		1.0				3.0	2.0	6.0		3.0	
PARTLY CLOUDY	1		1.0	1.0		1.0	1.0	3.0		2.0	4.0	2.0			
CLOUDY	1	1.0	1.0	6.0						2.0	4.0	5.0		1.0	
PR	MEAN STATION PRESSURE (IN)	27	29.73	29.69	29.63	29.62	29.59	29.60	29.63	29.63	29.63	29.68	29.71	29.73	29.66
	MEAN SEA-LEVEL PRES. (IN)	47	30.17	30.12	30.06	30.02	30.00	30.01	30.04	30.02	30.04	30.09	30.11	30.17	30.07
WINDS	MEAN SPEED (MPH)	23	7.4	7.6	8.0	7.3	6.6	6.1	6.0	5.5	6.2	6.4	6.5	6.8	6.7
	PREVAIL. DIR (TENS OF DEGS)	6	07	31	30	18	09	07	24	07	07	07	07	09	07
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	5	46	32	39	38	37	48	32	33	30	40	33	26	48
	DIR. (TENS OF DEGS)		29	31	25	25	28	32	22	13	23	12	28	28	32
	YEAR OF OCCURRENCE		1996	1995	1997	1999	1999	1998	1996	1999	1997	1995	1995	1995	JUN 1998
	MAXIMUM 5-SECOND:														
SPEED (MPH)	5	53	40	67	46	47	69	39	46	38	52	40	33	69	
DIR. (TENS OF DEGS)		28	08	28	25	28	33	21	14	20	16	28	29	33	
YEAR OF OCCURRENCE		1996	1998	1997	1999	1999	1998	1996	1999	1996	1995	1995	1996	JUN 1998	
PRECIPITATION	NORMAL (IN)	30	4.59	4.85	5.77	4.30	4.17	4.07	5.54	3.73	3.23	2.22	3.56	4.97	51.00
	MAXIMUM MONTHLY (IN)	54	10.22	9.41	12.53	11.67	8.45	10.83	13.24	10.11	6.94	8.42	12.45	9.39	13.24
	YEAR OF OCCURRENCE		1947	1961	1952	1953	1959	1967	1971	1991	1951	1995	1948	1953	JUL 1971
	MINIMUM MONTHLY (IN)	54	0.72	1.22	1.38	0.10	0.22	0.74	1.74	0.80	0.22	0.00	0.31	0.43	0.00
	YEAR OF OCCURRENCE		1989	1951	1985	1986	1962	1993	1957	1988	1984	1963	1956	1955	OCT 1963
	MAXIMUM IN 24 HOURS (IN)	54	4.27	5.77	7.22	5.74	4.61	3.88	5.45	6.80	4.25	5.63	4.80	4.41	7.22
	YEAR OF OCCURRENCE		1978	1981	1990	1981	1957	1959	1989	1977	1971	1964	1977	1970	MAR 1990
	NORMAL NO. DAYS WITH:														
PRECIPITATION ≥ 0.01	30	10.9	9.4	10.0	7.5	8.3	9.2	13.0	10.0	8.0	5.1	8.1	9.4	108.9	
PRECIPITATION ≥ 1.00	30	1.4	1.5	1.9	1.4	1.4	1.0	1.5	0.9	0.9	0.7	1.1	1.8	15.5	
SNOWFALL	NORMAL (IN)	30	0.2	0.5	0.*	T	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.7
	MAXIMUM MONTHLY (IN)	54	2.0	14.0	2.5	T	T	0.0	0.0	0.0	0.0	0.0	T	1.6	14.0
	YEAR OF OCCURRENCE		1982	1973	1993	1990	1993						1975	1993	FEB 1973
	MAXIMUM IN 24 HOURS (IN)	54	1.4	14.0	2.5	T	T	0.0	0.0	0.0	0.0	0.0	T	1.6	14.0
	YEAR OF OCCURRENCE		1977	1973	1993	1990	1993						1975	1993	FEB 1973
	MAXIMUM SNOW DEPTH (IN)	48	1	14	T	0	0	0	0	0	0	0	0	T	14
	YEAR OF OCCURRENCE		1988	1973	1980									1983	FEB 1973
NORMAL NO. DAYS WITH:															
SNOWFALL ≥ 1.0	30	0.2	0.1	0.*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	

PRECIPITATION (inches) 1999 COLUMBUS, GA (CSG)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	4.59	4.22	6.85	2.91	4.24	5.35	6.36	2.91	2.94	4.47	2.48	6.89	54.21
1971	5.33	7.13	9.16	3.27	4.42	4.22	13.24	5.11	4.96	0.26	2.41	4.96	64.47
1972	6.10	3.92	5.01	1.07	3.31	7.74	7.75	1.04	2.47	2.31	4.36	9.38	54.46
1973	6.03	4.55	9.82	5.95	4.53	4.42	3.64	6.97	2.23	1.16	3.37	7.14	59.81
1974	7.50	3.98	2.13	5.85	7.54	2.87	5.26	5.20	4.87	0.55	3.88	5.15	54.78
1975	6.64	7.56	7.32	6.66	4.78	3.94	7.87	4.11	2.85	5.42	2.67	3.54	63.36
1976	3.64	1.59	7.88	2.70	3.75	6.88	2.73	3.71	4.97	5.06	5.67	3.87	52.45
1977	4.15	2.02	7.92	1.73	3.49	3.46	3.79	10.07	3.54	2.15	6.12	3.56	52.00
1978	8.35	1.77	4.43	4.32	6.46	2.44	5.14	3.97	0.72	0.02	2.91	3.01	43.54
1979	6.91	7.84	2.72	10.69	4.59	1.24	4.12	2.50	5.50	1.47	4.52	2.52	54.62
1980	3.98	3.53	11.20	5.13	6.90	2.69	3.22	4.49	2.32	1.92	1.77	1.66	48.81
1981	1.27	7.72	4.20	6.88	1.45	3.05	5.40	2.93	2.62	1.90	1.18	8.94	47.54
1982	4.22	4.88	2.17	8.42	4.19	2.46	5.73	2.40	1.12	2.00	5.29	8.74	51.62
1983	3.95	5.75	7.37	4.48	2.02	5.05	3.57	3.16	6.01	1.82	5.07	7.02	55.27
1984	3.60	3.22	5.96	2.16	4.42	1.96	7.50	3.50	0.22	0.42	2.47	2.69	38.12
1985	3.84	6.21	1.38	1.90	4.86	2.03	4.53	3.28	0.98	2.85	2.94	4.85	39.65
1986	1.45	4.67	8.78	0.10	2.55	0.83	3.15	3.37	3.62	3.94	9.85	2.65	44.96
1987	5.47	7.69	4.38	0.62	6.25	9.19	4.31	1.82	2.31	0.37	3.22	2.90	48.53
1988	6.72	2.73	3.35	4.64	1.61	0.94	4.91	0.80	4.25	1.52	3.63	3.72	38.82
1989	0.72	2.64	4.88	6.51	2.42	7.34	11.58	2.27	3.68	2.46	5.11	7.31	56.92
1990	4.45	6.31	9.40	2.64	4.45	1.05	3.58	1.68	0.54	3.00	1.64	2.76	41.50
1991	7.46	1.94	7.86	4.32	7.00	3.90	3.79	10.11	2.38	0.58	4.70	3.34	57.38
1992	6.65	5.07	4.72	2.59	0.80	2.76	8.28	9.15	2.79	2.46	11.63	3.95	60.85
1993	4.12	3.52	8.06	2.21	2.04	0.74	3.41	4.32	0.97	3.72	4.92	4.01	42.04
1994	4.36	4.73	6.24	1.61	2.84	5.07	7.98	3.43	3.46	5.41	2.08	2.08	49.29
1995	3.91	6.05	2.68	1.32	1.50	3.46	2.34	2.23	3.70	8.42	3.75	5.45	44.81
1996	5.28	3.84	6.55	4.81	2.37	2.33	3.06	2.94	5.41	2.17	2.17	2.80	43.73
1997	4.16	6.29	1.86	5.84	4.65	5.99	4.40	1.73	2.25	2.77	4.26	6.72	50.92
1998	3.21	4.43	4.50	3.62	1.09	3.75	2.07	1.85	5.25	0.54	0.88	1.59	32.78
1999	4.07	1.76	3.31	1.94	1.50	2.91	2.36	1.84	1.20	2.49	1.29	1.72	26.39
POR= 54 YRS	4.42	4.55	5.67	4.16	3.93	3.81	5.46	3.87	3.21	2.22	3.55	4.60	49.45

WBAN : 93842

AVERAGE TEMPERATURE (°F) 1999 COLUMBUS, GA (CSG)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	39.3	46.6	55.3	67.6	73.7	77.4	81.5	81.0	79.5	69.0	52.5	52.3	64.6
1971	48.2	48.5	52.0	63.0	69.2	80.0	79.2	79.8	78.0	70.2	55.0	57.8	65.1
1972	52.9	48.8	57.4	65.9	70.7	76.7	79.6	81.8	77.9	66.4	54.3	54.6	65.6
1973	46.4	45.7	61.6	61.6	69.1	78.7	82.1	79.8	79.0	67.7	59.1	48.9	65.0
1974	59.6	51.3	61.3	63.9	73.2	75.5	80.5	80.0	73.6	62.6	54.7	49.7	65.5
1975	51.2	52.5	56.0	63.6	74.2	78.4	78.9	80.8	73.4	66.7	57.2	47.6	65.0
1976	43.1	54.6	59.8	65.1	68.2	76.4	80.6	79.6	74.2	59.9	48.7	45.0	62.9
1977	36.6	46.8	60.2	67.6	74.6	81.5	84.1	82.0	78.1	62.7	59.2	47.8	65.1
1978	39.5	42.2	54.3	65.5	72.5	80.7	82.8	81.4	79.2	66.4	62.2	49.9	64.7
1979	42.4	46.1	58.5	66.5	72.4	78.0	82.1	81.6	75.1	66.0	57.0	49.5	64.6
1980	50.6	46.8	55.4	63.1	72.4	79.8	84.3	83.5	80.1	63.9	55.0	47.9	65.2
1981	41.8	50.6	55.1	68.3	70.2	83.3	83.4	80.2	75.6	63.8	57.1	45.1	64.5
1982	44.6	51.4	61.0	62.8	73.7	79.4	81.3	80.8	75.2	67.3	58.4	54.8	65.9
1983	44.9	49.2	55.1	60.6	72.4	78.9	85.1	84.4	74.4	66.4	55.6	45.5	64.4
1984	43.9	50.7	55.3	62.5	70.5	80.4	80.5	80.4	75.5	73.7	54.3	56.8	65.4
1985	40.7	49.1	60.6	66.3	72.2	79.9	80.5	80.5	75.6	71.1	64.7	44.7	65.5
1986	47.4	55.6	58.4	64.5	74.4	82.4	85.8	81.0	78.5	67.3	61.9	49.1	67.2
1987	45.5	49.2	57.1	62.7	74.9	79.3	82.5	84.5	76.5	60.2	58.9	53.3	65.4
1988	43.5	47.8	56.6	64.6	70.8	79.7	81.4	83.3	76.7	62.4	58.4	49.1	64.5
1989	52.8	51.4	59.5	63.6	71.4	78.9	80.6	81.8	75.5	64.8	55.9	41.5	64.8
1990	51.1	55.9	59.6	63.1	71.1	81.1	83.1	84.1	79.3	67.4	58.0	53.3	67.3
1991	48.6	54.2	59.7	68.8	75.4	78.6	82.2	80.7	77.3	67.3	54.7	52.3	66.7
1992	47.7	54.2	56.9	63.4	71.3	78.3	82.7	78.8	75.9	64.2	55.2	48.9	64.8
1993	51.7	48.2	54.4	60.8	71.9	81.5	85.8	82.5	78.4	65.8	56.0	47.2	65.4
1994	44.4	53.7	59.4	68.0	71.0	79.4	78.8	78.9	74.0	65.0	60.1	51.4	65.3
1995	47.8	49.9	60.3	65.2	75.4	77.3	84.4	83.5	76.0	66.7	51.9	46.6	65.4
1996	46.4	49.6	53.0	62.4	75.7	79.2	82.7	80.3	74.7	64.5	55.3	51.5	64.6
1997	48.7	53.8	63.5	62.2	69.2	75.1	82.1	80.2	77.1	66.2	52.8	47.1	64.8
1998	50.5	51.8	55.5	64.0	76.8	83.6	84.4	82.7	78.6	68.9	61.3	54.2	67.7
1999	51.3	53.8	55.4	69.1	72.5	78.5	82.6	84.4	76.4	66.6	58.7	49.6	66.6
POR= 54 YRS	47.2	50.3	56.8	64.9	72.6	79.2	81.7	81.2	76.2	65.9	55.9	49.2	65.1

HEATING DEGREE DAYS (base 65°F) 1999 COLUMBUS, GA (CSG)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1970-71	0	0	0	16	369	393	515	458	397	113	25	0	2286
1971-72	0	0	0	11	313	252	371	468	250	84	0	1	1750
1972-73	0	0	1	56	328	336	572	536	143	146	28	0	2146
1973-74	0	0	0	55	200	496	177	382	162	97	1	0	1570
1974-75	0	0	8	113	314	470	429	343	301	116	0	0	2094
1975-76	0	0	20	61	286	532	672	301	179	55	13	0	2119
1976-77	0	0	0	187	483	615	874	501	183	51	0	0	2894
1977-78	0	0	0	110	186	530	781	634	334	63	11	0	2649
1978-79	0	0	0	57	104	468	693	527	219	34	7	0	2109
1979-80	0	0	1	59	255	475	440	529	301	91	3	0	2154
1980-81	0	0	3	93	299	520	709	401	311	25	7	0	2368
1981-82	0	0	6	94	253	608	626	372	194	119	0	0	2272
1982-83	0	0	6	83	222	337	614	437	318	146	3	0	2166
1983-84	0	0	9	59	291	602	647	409	299	123	21	0	2460
1984-85	0	0	0	12	328	251	747	444	158	75	3	0	2018
1985-86	0	0	1	24	88	625	542	269	215	83	0	0	1847
1986-87	0	6	0	66	157	486	597	436	250	142	2	0	2142
1987-88	0	0	0	157	203	370	661	497	270	65	1	0	2224
1988-89	0	0	0	117	197	489	376	390	226	137	21	0	1953
1989-90	0	0	15	101	275	722	427	257	181	112	10	0	2100
1990-91	0	0	5	81	214	363	501	302	203	25	0	0	1694
1991-92	0	0	0	38	322	406	531	311	266	122	23	0	2019
1992-93	0	0	0	56	300	496	405	464	335	135	6	0	2197
1993-94	0	0	0	86	290	543	630	322	187	48	1	0	2107
1994-95	0	0	0	65	161	419	523	413	166	59	7	0	1813
1995-96	0	0	8	69	397	561	570	447	371	132	5	0	2560
1996-97	0	0	2	79	302	416	501	321	104	114	15	0	1854
1997-98	0	0	0	81	362	547	448	367	317	70	0	0	2192
1998-99	0	0	0	32	133	340	419	315	292	50	4	0	1585
1999-	0	0	0	69	190	471							

WBAN : 93842

COOLING DEGREE DAYS (base 65°F) 1999 COLUMBUS, GA (CSG)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	0	0	1	144	280	378	520	504	445	147	0	5	2424
1971	0	2	1	61	160	458	444	468	394	179	23	33	2223
1972	6	4	21	118	181	360	458	526	397	105	14	22	2212
1973	0	0	41	51	160	416	539	469	426	146	27	2	2277
1974	18	6	54	69	265	322	490	470	276	46	10	3	2029
1975	5	1	28	79	293	408	440	494	279	122	56	0	2205
1976	0	5	25	63	119	351	493	460	282	36	0	0	1834
1977	0	0	38	135	302	502	600	532	400	45	20	6	2580
1978	0	0	10	84	250	475	557	517	433	109	28	11	2474
1979	0	2	21	86	243	398	536	518	314	99	24	2	2243
1980	0	5	11	39	237	449	607	581	461	67	6	0	2463
1981	0	4	11	131	174	554	577	479	333	65	23	0	2351
1982	1	0	77	57	274	438	512	496	320	159	30	31	2395
1983	0	0	14	24	240	426	634	609	297	108	16	4	2372
1984	0	0	6	58	198	468	488	485	322	287	15	3	2330
1985	1	4	30	122	230	454	488	489	326	220	85	0	2449
1986	0	9	19	75	295	526	654	509	412	145	71	0	2715
1987	0	0	13	80	314	433	549	613	350	12	30	13	2407
1988	2	4	18	62	187	446	515	573	360	42	4	2	2215
1989	4	14	60	99	227	422	488	528	340	102	9	0	2293
1990	2	7	21	61	206	490	569	598	441	163	11	8	2577
1991	0	6	47	145	328	417	541	495	376	116	19	21	2511
1992	0	4	24	80	226	406	553	437	337	34	12	3	2116
1993	0	0	16	17	228	502	651	550	405	118	32	0	2519
1994	0	12	19	144	193	443	434	438	276	72	20	2	2053
1995	0	0	28	73	336	378	609	583	348	130	12	0	2497
1996	0	10	9	61	345	429	558	479	299	71	15	3	2279
1997	2	13	61	37	151	311	540	475	370	127	0	0	2087
1998	4	1	29	48	373	565	608	556	417	160	29	13	2803
1999	2	7	0	178	242	410	556	610	348	123	6	0	2482

SNOWFALL (inches) 1999 COLUMBUS, GA (CSG)

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	0.0	T	0.0	T	0.0	0.0	T
1971-72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1972-73	0.0	0.0	0.0	0.0	0.0	0.0	T	14.0	0.0	0.0	0.0	0.0	14.0
1973-74	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	0.0	T
1974-75	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T
1975-76	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1976-77	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	1.4
1977-78	0.0	0.0	0.0	0.0	0.0	T	T	T	T	0.0	0.0	0.0	T
1978-79	0.0	0.0	0.0	0.0	0.0	0.0	T	2.0	0.0	0.0	0.0	0.0	2.0
1979-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	1.0	0.0	0.0	0.0	1.0
1980-81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1981-82	0.0	0.0	0.0	0.0	0.0	T	2.0	0.0	0.0	0.0	0.0	0.0	2.0
1982-83	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	T	0.0	0.0	0.0	1.0
1983-84	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	0.0	T
1984-85	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	0.0	T
1985-86	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1986-87	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1987-88	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
1988-89	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	0.0	T
1989-90	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T	0.0	0.0	T
1990-91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1991-92	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	T
1992-93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	T	0.0	2.5
1993-94	0.0	0.0	0.0	0.0	0.0	1.6	T	0.0	0.0	0.0	0.0	0.0	1.6
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	T		T	0.0	0.0	0.0	
1995-96	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	
1996-97	0.0	0.0	0.0	0.0	0.0	1.0	T	0.0	0.0	0.0	0.0	0.0	
1997-98	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T
1998-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
POR= 54 YRS	0.0	0.0	0.0	0.0	T	T	0.1	0.3	0.1	T	T	0.0	0.5

WBAN : 93842

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 EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p>
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1999
COLUMBUS,
GEORGIA (CSG)

Columbus is located on the Chattahoochee River at the western boundary of Georgia, about 225 miles west of the Atlantic Ocean and 170 miles north of the Gulf of Mexico. Elevation of the ground above sea level ranges from 200 to 500 feet and effects of terrain on the weather are negligible. The climate is that of the humid southeast, with pronounced maritime effects at some periods, and equally pronounced continental effects at others.

Annual rainfall is variable, the months of highest rainfall are generally March and July, and the driest are usually October and November. Heavy midsummer rainfall is commonly the result of frequent local thunderstorms. Heavy rains which occasionally come in autumn are likely to be due to Gulf or Caribbean hurricanes moving inland near the Columbus area.

Snow is rare, but almost every winter sees a few snowflakes falling in the area and occasionally a moderate to heavy snowfall is experienced.

The coldest month is usually January and the warmest is usually July.

Most days in summer will have a high temperature of 90 degrees or more, but few will reach 100 degrees. During many winters the minimum temperature does not drop below 20 degrees, but about one year in ten it will drop to 10 degrees or lower.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is November 9 and the average last occurrence in the spring is March 21.

STATION LOCATION

COLUMBUS, GEORGIA

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE											* Type	REMARKS	
						SEA LEVEL	GROUND												AUTOMATED
							WIND	TEMPERATURE	RELATIVE HUMIDITY	PRECIPITATION	SEA LEVEL	TEMPERATURE	RELATIVE HUMIDITY	PRECIPITATION	SEA LEVEL	TEMPERATURE			
<u>COOPERATIVE</u>																			
12-13 Street	1/1899	12/1909	NA	32° 28'	85° 00'	247		5	5										
931 First Avenue	1/1910	Early 1911	0.33 mi. SSE	32° 28'	84° 59'	243		5	5									On court house lawn.	
1312 Broad Street	Early 1911	6/1922	0.4 mi. NNW	32° 28'	85° 00'	248		5	5									Fire Station #4, located in parkway in middle of street.	
1226 Sixth Avenue	7/1922	6/13/50	0.6 mi. E	32° 28'	84° 59'	251		5	5										
10th St. & 2nd Avenue	6/13/50	Present	0.5 mi. WSW	32° 28'	84° 59'	239		5	5									Fire Station #5.	
<u>AIRPORT</u>																			
Administration Building Muscogee County Airport	1/6/46	6/2/48	NA	32° 31'	84° 56'	386	27	5	5				4	3					
Wea. Bur. - CAA Building Muscogee County Airport	6/2/48	11/17/50	200 ft. E	32° 31'	84° 56'	382	31	5	5				4	3					
Administration Building Muscogee County AP + Metropolitan Airport (Effective 9/69)	11/17/50	3/8/78	200 ft. W	32° 31'	84° 56'	385	62 20 f30	6 h5	5 h5	NA	NA	4 c5	4 e5 g20	NA b5 f5	NA			a - Effective 7/10/64. b - Commissioned 600' SW of thermometer site 7/15/64. c - Effective 9/22/65. d - Removed in 1965. e - Effective 12/1/66. f - Moved 1700' SW 6/13/68. g - Moved to roof 12/1/68. h - Installed 10/19/73.	
Nat. Wea. Ser. bldg. Metropolitan Airport	3/8/78	05/01/94	0.38 mi. NW	32° 31'	84° 57'	445	i30 j30 k32	NA	5	NA	4	4	4	i5 j6 k6	NA			i - Not moved 3/8/78. j - Minor adjustment & type change 11/14/84. k - Minor move 12/13/90.	
Metropolitan Airport	05/01/94	Present	NA	32°31'	84°57'	446									S			ASOS Commissioned 05/01/94	

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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