

2003

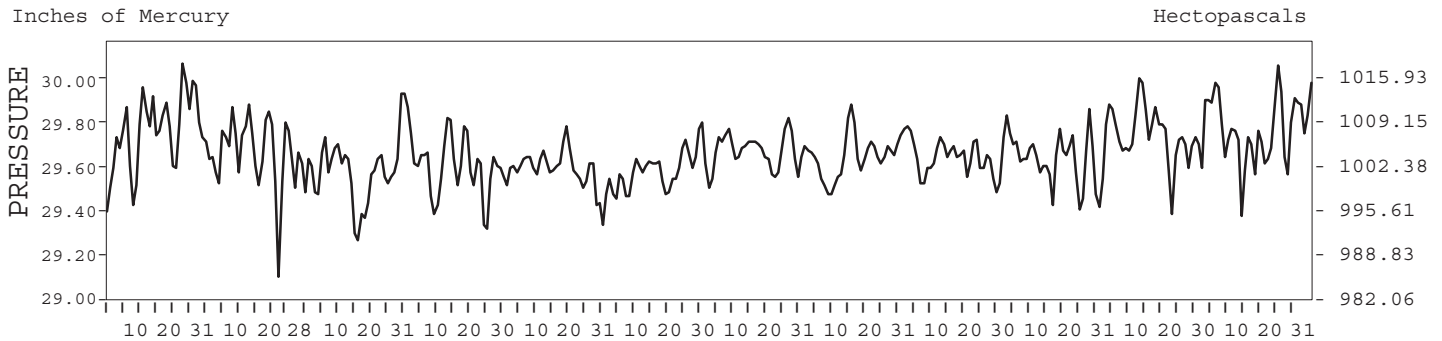
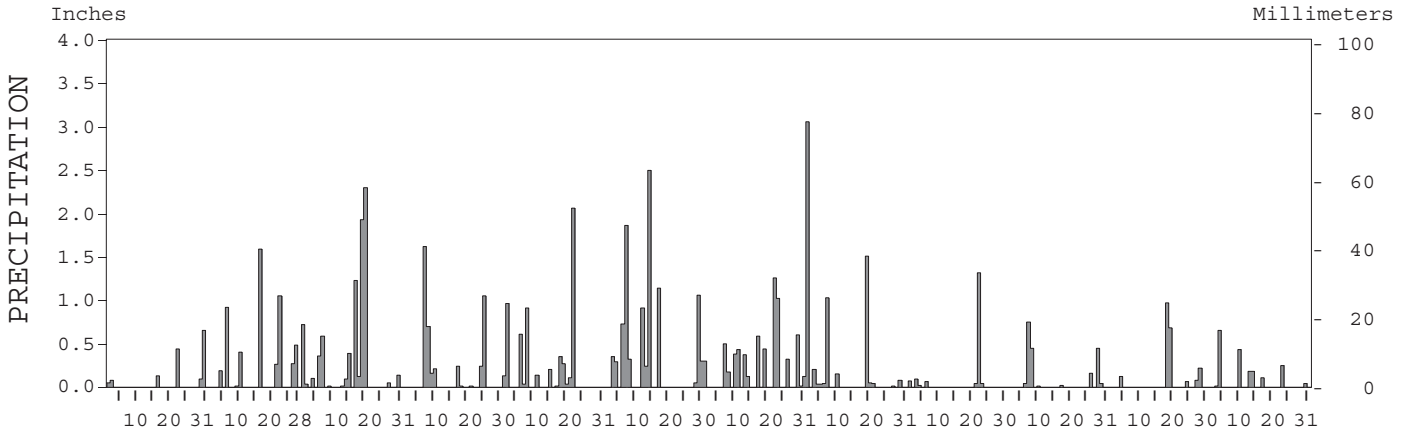
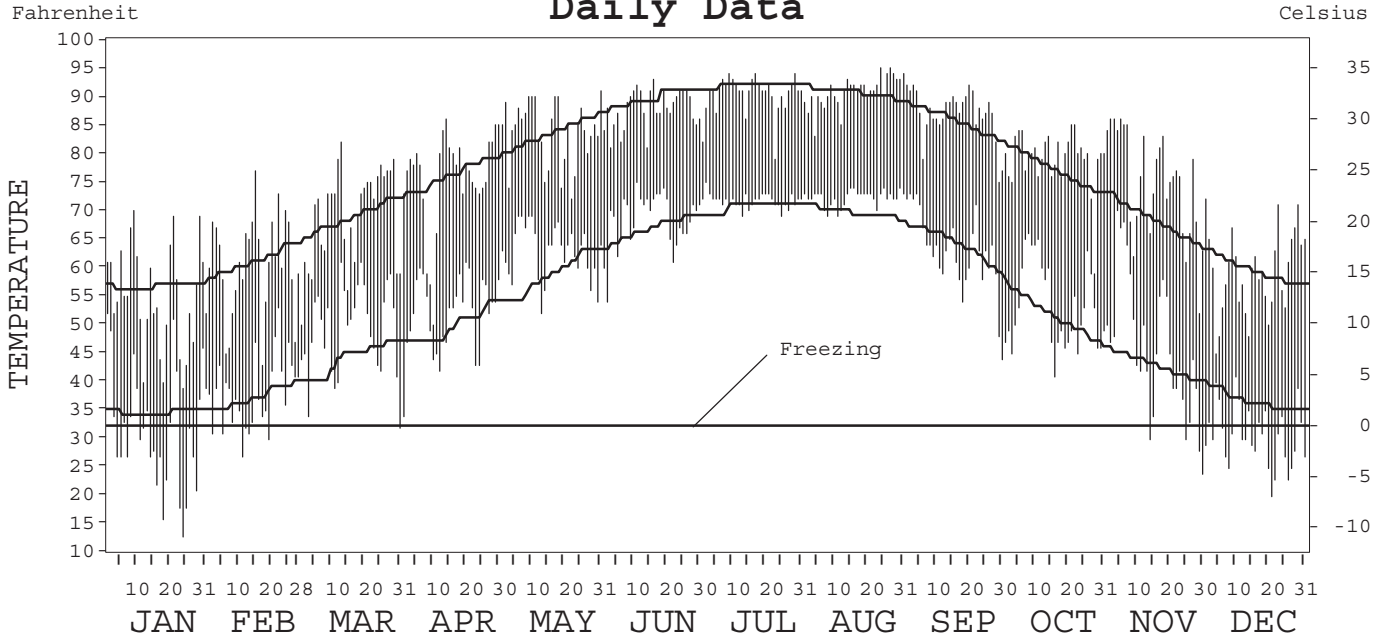
# LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-1625

MACON,  
GEORGIA (MCN)

## Daily Data



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*Thomas R. Karl*

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

MACON, GA (MCN)

LATITUDE: 32° 41' 16" N      LONGITUDE: 83° 39' 16" W      ELEVATION (FT): GRND: 356      BARO: 359      TIME ZONE: EASTERN (UTC + 5)      WBAN: 03813

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	54.7	60.7	69.2	75.7	83.7	87.8	90.4	90.9	87.0	79.2	74.5	59.2	76.1	
	HIGHEST DAILY MAXIMUM	70	77	82	86	91	93	94	95	92	85	86	72	95	
	DATE OF OCCURRENCE	09	15	13	14	31	16	29+	27+	20+	22+	05+	01	AUG 27+	
	MEAN DAILY MINIMUM	31.7	38.0	49.2	51.9	62.7	68.3	71.7	72.2	62.8	53.3	45.9	30.6	53.2	
	LOWEST DAILY MINIMUM	13	27	32	34	52	54	69	69	44	41	24	20	13	
	DATE OF OCCURRENCE	24	11	31	01	13	02	25+	11+	30	16	30	21	JAN 24	
	AVERAGE DRY BULB	43.2	49.4	59.2	63.8	73.2	78.1	81.1	81.6	74.9	66.3	60.2	44.9	64.7	
	MEAN WET BULB	37.0	44.3	54.0	58.4	66.8	71.2	74.1	74.9			53.7			
	MEAN DEW POINT	27.3	38.0	49.3	54.1	63.4	68.2	72.0	72.8			48.2			
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	6	12	24	24	8	0	0	0	0	74
	MAXIMUM ≤ 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM ≤ 32°	17	6	1	0	0	0	0	0	0	0	4	20	48		
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	668	431	189	81	0	0	0	0	7	35	197	617	2225	
	COOLING DEGREE DAYS	0	0	17	51	263	399	505	519	310	82	63	0	2209	
RH	MEAN (PERCENT)	58	69	75	74	75	77	81	81	74	75	71	69	73	
	HOUR 01 LST	69	78	85	86	88	89	91	93	90	89	85	82	85	
	HOUR 07 LST	73	84	88	91	89	89	92	94	93	92	88	86	88	
	HOUR 13 LST	43	54	59	57	58	59	63	63	50	49	48	46	54	
	HOUR 19 LST	50	59	64	64	67	68	77	77	71	73	68	61	67	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	0	1	5	4	3	4	6	11	7	2	6	1	50	
	THUNDERSTORMS	1	1	5	1	8	7	15	11	1	1	1	0	52	
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.)	29.77	29.67	29.58	29.63	29.59	29.59	29.67	29.66	29.65	29.65	29.75	29.77	29.66	
	MEAN SEA-LEVEL PRESS. (IN.)	30.16			30.01	29.97		30.05	30.03	30.03		30.14	30.16		
WINDS	RESULTANT SPEED (MPH)	5.2	1.9	0.8	0.4	0.5	0.1	0.7	0.5	2.0	1.1	0.9	2.5	0.9	
	RES. DIR. (TENS OF DEGS.)	28	28	36	08	29	11	23	19	03	36	29	30	30	
	MEAN SPEED (MPH)	7.6	6.6	5.7	5.2	5.5	3.1	3.4	2.6	4.3	4.5	5.2	6.0	5.0	
	PREVAIL. DIR. (TENS OF DEGS.)	27	29	08	28	28	21	23	12	03	27	30	28	28	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	29	35	28	25	39	22	35	25	24	31	29	30	39	
	DIR. (TENS OF DEGS.)	33	27	28	29	32	24	28	31	13	32	35	27	32	
	DATE OF OCCURRENCE	23	23	13+	25	02	29	29	10	01	14	13	10	MAY 02	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	35	40	36	31	49	29	44	29	29	39	43	35	49	
DIR. (TENS OF DEGS.)	32	27	28	27	33	20	28	11	13	32	25	30	33		
DATE OF OCCURRENCE	23+	23+	06	25	02	07	29	19	01	14	19	17+	MAY 02		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	1.44	5.17	8.07	4.24	5.81	9.75	6.63	6.23	1.64	1.92	2.13	1.85	54.88	
	GREATEST 24-HOUR (IN.)	0.74	1.59	4.21	1.74	2.17	2.50	2.23	3.06	1.36	0.46	1.65	0.66	4.21	
	DATE OF OCCURRENCE	29-30	16	19-20	07-08	21-22	14	22-23	01	22-23	28-29	18-19	03-04	MAR 19-20	
	NUMBER OF DAYS WITH:														
PRECIPITATION ≥ 0.01	6	9	15	9	13	12	15	12	7	8	6	8	120		
PRECIPITATION ≥ 0.10	3	8	10	7	10	11	14	5	1	4	4	6	83		
PRECIPITATION ≥ 1.00	0	2	3	2	1	4	2	3	1	0	0	0	18		
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

## MACON, GA (MCN)

LATITUDE: 32° 41' 16" N      LONGITUDE: 83° 39' 16" W      ELEVATION (FT): GRND: 356      BARO: 359      TIME ZONE: EASTERN (UTC + 5)      WBAN: 03813

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	56.6	60.9	68.5	75.9	83.4	89.5	91.8	90.5	85.4	76.8	67.8	59.2	75.5
	MEAN DAILY MAXIMUM	47	57.1	61.4	68.9	77.4	84.8	90.0	92.4	91.3	86.3	77.7	68.6	59.8	76.3
	HIGHEST DAILY MAXIMUM	55	84	85	95	96	99	106	108	105	102	100	88	82	108
	YEAR OF OCCURRENCE		1949	1989	1949	1986	1967	1954	1980	1986	1980	1954	1961	1972	JUL 1980
	MEAN OF EXTREME MAXS.	56	74.8	77.0	83.4	88.8	94.1	98.3	99.1	98.5	95.4	89.2	81.9	76.0	88.0
	NORMAL DAILY MINIMUM	30	34.5	37.0	43.8	49.5	58.6	66.6	70.5	69.5	63.7	51.1	42.5	36.3	52.0
	MEAN DAILY MINIMUM	47	35.4	37.8	44.1	51.0	59.9	67.3	71.1	70.1	64.7	52.3	43.4	36.9	52.8
	LOWEST DAILY MINIMUM	55	-6	9	14	29	40	46	54	55	35	26	10	5	-6
	YEAR OF OCCURRENCE		1985	1973	1980	1987	1997	1972	1967	1952	1967	1952	1950	1962	JAN 1985
	MEAN OF EXTREME MINS.	56	17.7	21.4	27.8	35.6	46.2	56.8	65.0	62.6	51.2	36.0	26.4	20.3	38.9
	NORMAL DRY BULB	30	45.5	48.9	56.2	62.7	71.0	78.0	81.1	80.0	74.5	63.9	55.1	47.8	63.7
	MEAN DRY BULB	56	46.9	50.1	56.5	64.5	72.6	79.1	81.7	81.0	75.5	65.3	55.6	48.5	64.8
	MEAN WET BULB	50	42.1	44.5	50.0	56.7	64.3	70.4	73.1	72.9	68.5	58.2	49.7	43.5	57.8
	MEAN DEW POINT	50	36.0	37.8	43.2	50.5	59.4	66.4	70.1	69.9	65.2	53.9	44.2	37.7	52.9
	NORMAL NO. DAYS WITH:														
MAXIMUM ≥ 90°	30	0.0	0.0	*	0.8	6.1	17.7	23.1	21.6	10.9	0.9	0.0	0.0	81.1	
MAXIMUM ≤ 32°	30	0.2	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	
MINIMUM ≤ 32°	30	13.3	8.8	3.3	0.5	0.0	0.0	0.0	0.0	0.0	0.2	4.7	11.4	42.2	
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	590	440	279	122	13	0	0	0	4	96	298	522	2364
	NORMAL COOLING DEG. DAYS	30	1	3	21	69	214	406	515	481	305	78	17	5	2115
RH	NORMAL (PERCENT)	30	72	69	68	66	70	72	75	77	77	74	73	73	72
	HOUR 01 LST	30	80	78	78	80	84	86	87	90	90	87	84	82	84
	HOUR 07 LST	30	84	85	87	88	88	89	90	93	94	91	89	86	89
	HOUR 13 LST	30	59	54	53	48	50	53	56	57	58	52	54	58	54
	HOUR 19 LST	30	66	58	56	53	57	62	66	69	71	69	69	68	64
S	PERCENT POSSIBLE SUNSHINE	48	55	59	64	72	72	71	68	72	68	70	65	58	66
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	55	3.7	3.0	2.1	1.3	1.1	1.1	1.3	2.0	2.2	1.9	3.4	3.8	26.9
	THUNDERSTORMS	55	1.4	1.9	3.4	3.9	6.2	8.7	12.9	8.9	3.4	0.9	1.1	0.9	53.6
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	1					2.8	4.8	6.4	4.8		5.6		5.6	
	MIDNIGHT-MIDNIGHT (OKTAS)	1					3.2	4.8	6.4	4.0					
	MEAN NO. DAYS WITH:														
CLEAR	1	2.5	4.0	8.0		15.0	10.0	1.0	7.0	3.0	4.0	1.0	7.0		
PARTLY CLOUDY	1	1.0	2.0			4.0	5.0	2.0	1.0	8.0	2.0	1.0	1.0		
CLOUDY	1	4.0	2.0	6.0		2.0	2.0	1.0	6.0	4.0	4.0	1.0	6.0		
PR	MEAN STATION PRESSURE (IN)	29	29.76	29.71	29.66	29.64	29.62	29.63	29.66	29.67	29.67	29.71	29.74	29.76	29.69
	MEAN SEA-LEVEL PRES. (IN)	48	30.15	30.10	30.05	30.03	30.00	30.00	30.04	30.02	30.04	30.08	30.12	30.15	30.06
WINDS	MEAN SPEED (MPH)	43	7.9	8.3	8.7	8.2	7.3	7.0	6.6	6.2	6.7	6.5	6.9	7.5	7.3
	PREVAIL. DIR (TENS OF DEGS)	29	30	30	30	30	27	27	27	06	06	06	30	30	30
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	9	37	37	35	45	47	44	40	38	37	33	40	34	47
	DIR. (TENS OF DEGS)		32	15	07	33	31	27	28	12	36	18	30	26	31
	YEAR OF OCCURRENCE		1995	1996	2001	1996	1995	1998	2000	1995	1998	1995	1995	2000	MAY 1995
	MAXIMUM 5-SECOND:														
SPEED (MPH)	9	46	44	44	72	64	55	53	51	47	45	54	45	72	
DIR. (TENS OF DEGS)		32	21	07	33	30	28	28	12	01	18	25	26	33	
YEAR OF OCCURRENCE		1995	2000	2001	1996	1995	1998	2000	1995	1998	1995	1996	2000	APR 1996	
PRECIPITATION	NORMAL (IN)	30	5.00	4.55	4.90	3.14	2.98	3.54	4.32	3.79	3.26	2.37	3.22	3.93	45.00
	MAXIMUM MONTHLY (IN)	55	10.87	9.32	11.90	8.42	11.77	9.75	18.16	8.63	10.51	9.39	10.27	10.39	18.16
	YEAR OF OCCURRENCE		1991	1983	1980	1964	1957	2003	1994	1991	2000	1959	1992	1972	JUL 1994
	MINIMUM MONTHLY (IN)	55	0.69	0.37	1.20	0.11	0.32	0.89	0.37	1.13	0.35	0.00	0.43	0.58	0.00
	YEAR OF OCCURRENCE		1954	2000	1985	1986	1956	1988	1986	1980	1984	1963	1956	1955	OCT 1963
	MAXIMUM IN 24 HOURS (IN)	55	5.07	5.17	4.34	3.65	5.37	4.97	10.60	3.06	4.83	5.35	3.14	4.50	10.60
	YEAR OF OCCURRENCE		1991	1981	1991	1955	1976	1965	1994	2003	1998	1970	1992	1972	JUL 1994
	NORMAL NO. DAYS WITH:														
PRECIPITATION ≥ 0.01	30	11.2	8.9	9.9	7.3	8.6	9.6	11.7	10.1	8.0	5.7	8.1	9.1	108.2	
PRECIPITATION ≥ 1.00	30	1.4	1.5	1.3	0.9	0.6	0.9	1.1	1.1	0.9	0.7	1.1	1.3	12.8	
SNOWFALL	NORMAL (IN)	30	0.6	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6
	MAXIMUM MONTHLY (IN)	48	3.7	16.5	2.6	0.0	T	0.0	T	0.0	0.0	0.0	0.2	1.6	16.5
	YEAR OF OCCURRENCE		1955	1973	1993		1993		1993				1950	1993	FEB 1973
	MAXIMUM IN 24 HOURS (IN)	48	3.7	16.5	2.6	0.0	T	0.0	T	0.0	0.0	0.0	0.2	1.6	16.5
	YEAR OF OCCURRENCE		1955	1973	1993		1993		1993				1950	1993	FEB 1973
	MAXIMUM SNOW DEPTH (IN)	45	2	12	T	0	0	0	0	0	0	0	T	T	12
	YEAR OF OCCURRENCE		1988	1973	1987								1950	1989	FEB 1973
NORMAL NO. DAYS WITH:															
SNOWFALL ≥ 1.0	30	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	

PRECIPITATION (inches) 2003 MACON, GA (MCN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1974	5.36	5.37	1.78	4.08	4.24	2.91	1.42	4.55	3.93	0.43	2.20	3.71	39.98
1975	6.09	6.90	6.66	4.90	4.68	3.83	5.84	2.17	4.71	3.53	2.26	3.91	55.48
1976	3.72	0.59	4.81	1.94	8.25	3.05	1.95	3.69	6.74	3.88	3.52	4.20	46.34
1977	3.72	2.02	7.89	1.28	1.55	1.12	5.04	2.96	3.34	1.67	3.38	3.80	37.77
1978	7.48	1.87	3.79	4.42	3.89	4.16	2.14	4.45	1.41	0.20	2.07	2.21	38.09
1979	5.74	8.46	3.73	6.85	3.76	2.54	5.70	4.18	6.10	0.40	3.37	1.88	52.71
1980	3.27	2.43	11.90	2.54	2.79	2.03	4.14	1.13	5.04	1.27	1.37	0.60	38.51
1981	0.97	8.27	3.44	4.18	0.95	7.54	3.19	3.58	1.69	4.51	1.11	8.66	48.09
1982	4.25	5.88	2.10	6.92	3.92	2.69	5.77	2.49	3.00	0.71	4.16	6.85	48.74
1983	4.57	9.32	5.95	3.85	1.44	5.69	2.06	2.98	1.93	0.83	6.96	5.52	51.10
1984	5.17	3.62	4.72	2.97	6.41	1.53	13.60	1.52	0.35	0.66	1.45	2.01	44.01
1985	2.17	5.74	1.20	1.19	3.78	1.36	5.93	2.50	1.79	3.58	3.70	2.98	35.92
1986	1.69	4.04	2.97	0.11	2.36	2.21	0.37	6.61	5.43	2.32	6.70	3.68	38.49
1987	6.92	7.01	4.25	0.68	2.78	5.10	1.38	3.21	1.50	0.05	3.36	1.88	38.12
1988	5.46	2.43	3.21	5.22	2.39	0.89	3.43	6.75	6.05	3.74	1.83	2.27	43.67
1989	1.85	4.58	4.92	5.61	4.38	5.03	6.21	2.34	2.41	2.28	3.01	8.85	51.47
1990	4.59	3.48	4.55	2.08	2.29	0.95	3.83	1.22	1.84	6.31	1.33	3.52	35.99
1991	10.87	1.74	10.01	4.29	2.52	4.11	4.77	8.63	0.68	0.31	0.63	3.62	52.18
1992	5.99	4.49	3.59	1.97	1.14	5.49	9.88	6.32	2.83	2.86	10.27	3.20	58.03
1993	5.46	4.21	10.32	1.91	2.69	3.30	2.19	5.95	1.29	6.37	2.93	2.84	49.46
1994	3.80	4.48	6.10	1.56	2.28	5.01	18.16	4.88	1.69	7.36	2.62	2.75	60.69
1995	4.26	7.01	2.19	1.22	1.55	4.26	6.41	2.33	2.42	4.41	1.90	4.04	42.00
1996	5.76	3.00	6.27	2.76	2.99	1.91	2.83	2.48	2.54	2.49	2.80	3.23	39.06
1997	5.55	5.02	1.23	2.86	4.30	1.63	1.41	1.96	3.54	3.67	7.63	7.28	46.08
1998	5.33	6.62	5.14	7.04	0.86	2.93	3.21	1.61	7.44	0.94	0.62	1.53	43.27
1999	6.33	1.82	2.55	0.89	0.73	5.96	4.30	3.23	3.35	2.91	2.20	1.80	36.07
2000	5.21	0.37	5.19	0.68	0.59	2.86	1.98	5.49	10.51	1.08	4.24	3.10	41.30
2001	2.58	1.16	9.83	3.08	5.95	5.82	6.82	1.19	6.60	0.12	2.48	1.58	47.21
2002	2.94	3.11	4.53	3.10	2.51	1.91	2.53	2.73	3.32	4.80	4.28	5.39	41.15
2003	1.44	5.17	8.07	4.24	5.81	9.75	6.63	6.23	1.64	1.92	2.13	1.85	54.88
POR= 104 YRS	4.08	4.42	4.97	3.47	3.20	3.70	5.01	4.06	3.15	2.36	2.72	3.95	45.09

WBAN : 03813

AVERAGE TEMPERATURE (°F) 2003 MACON, GA (MCN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1974	59.3	50.3	61.5	64.2	73.9	76.2	81.1	80.3	73.1	63.3	55.2	49.7	65.7
1975	51.2	52.9	55.6	63.7	73.9	77.3	78.2	80.1	73.1	66.6	56.8	47.4	64.7
1976	43.5	54.9	60.4	65.0	69.0	76.5	81.4	79.6	74.7	61.5	49.7	45.6	63.5
1977	36.8	46.6	59.8	67.3	74.3	82.1	83.2	81.3	78.1	62.2	58.7	47.1	64.8
1978	40.5	42.7	54.7	65.6	72.3	80.9	82.2	81.0	78.3	65.0	61.1	50.0	64.5
1979	42.9	45.5	58.1	64.6	71.3	77.3	81.0	81.3	75.1	65.1	58.6	50.0	64.2
1980	50.6	46.7	54.7	64.1	73.2	80.6	84.8	84.6	80.6	64.6	55.6	48.8	65.7
1981	43.3	52.3	56.2	68.8	70.5	82.6	83.2	78.1	74.6	63.2	56.3	46.4	64.6
1982	44.2	52.6	60.4	62.1	73.6	79.2	81.9	80.8	75.0	66.8	58.6	56.0	65.9
1983	44.9	49.1	56.2	60.9	73.3	78.7	84.0	83.9	74.2	67.2	55.7	45.8	64.5
1984	44.4	51.5	56.6	64.4	71.5	79.5	80.3	82.1	73.2	72.1	54.2	56.0	65.5
1985	41.1	48.9	58.6	65.0	72.9	81.0	81.4	80.0	74.3	69.8	64.2	44.5	65.1
1986	44.7	53.2	57.1	64.9	73.8	82.1	86.6	80.1	77.6	66.4	61.7	49.0	66.4
1987	45.5	48.7	56.0	62.3	75.0	79.1	82.2	84.2	75.3	58.4	57.4	52.0	64.7
1988	42.2	47.1	56.4	63.9	69.8	78.7	81.3	82.2	75.8	61.2	57.7	48.2	63.7
1989	51.7	51.1	59.2	63.3	70.0	78.7	80.4	80.9	75.0	64.3	55.9	41.4	64.3
1990	52.0	56.3	59.7	62.9	72.0	81.0	82.7	83.1	78.0	66.7	56.9	52.8	67.0
1991	47.9	53.4	59.7	68.1	75.4	78.1	82.3	80.3	75.6	66.0	53.5	51.6	66.0
1992	47.3	52.7	55.7	61.8	69.6	77.5	82.4	78.7	75.6	62.7	55.2	47.5	63.9
1993	50.6	47.3	53.8	60.0	71.5	80.5	85.7	82.0	77.5	64.4	54.5	45.6	64.5
1994	42.8	52.0	59.5	67.8	69.1	78.6	79.1	77.8	73.0	63.8	58.1	50.8	64.4
1995	47.2	48.7	58.9	64.3	74.4	76.1	82.7	81.5	73.4	65.3	50.9	45.7	64.1
1996	45.9	49.2	51.7	61.2	73.8	77.4	81.2	78.9	74.4	62.8	53.0	49.1	63.2
1997	48.1	51.9	62.7	60.0	67.8	74.2	81.2	78.8	75.0	64.2	51.3	46.5	63.5
1998	49.0	50.5	54.0	62.1	74.8	82.0	84.2	80.5	76.4	66.7	59.8	52.8	66.1
1999	49.5	52.0	53.7	67.0	70.8	77.8	80.9	83.7	73.4	65.1	56.9	48.0	64.9
2000	45.8	51.9	58.9	60.3	75.2	79.2	81.6	80.5	72.8	63.9	53.8	39.3	63.6
2001	44.3	54.2	53.4	64.5	71.0	76.8	80.4	80.1	72.9	61.4	59.8	52.1	64.2
2002	49.2	47.4	57.7	67.0	70.6	78.7	82.3	80.9	77.3	68.0	52.5	45.5	64.8
2003	43.2	49.4	59.2	63.8	73.2	78.1	81.1	81.6	74.9	66.3	60.2	44.9	64.7
POR= 104 YRS	47.3	49.7	56.8	64.3	72.3	79.0	81.1	80.4	75.7	65.2	55.5	48.3	64.6

HEATING DEGREE DAYS (base 65°F) 2003 MACON, GA (MCN)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1974-75	0	0	14	95	299	469	424	338	306	112	0	0	2057
1975-76	0	0	10	57	280	537	658	290	168	62	17	0	2079
1976-77	0	0	0	163	455	593	867	506	190	52	0	0	2826
1977-78	0	0	0	121	202	554	754	617	321	62	12	0	2643
1978-79	0	0	0	70	130	467	675	541	226	62	7	0	2178
1979-80	0	0	3	79	221	461	441	534	321	70	3	0	2133
1980-81	0	0	2	79	284	493	667	349	279	22	6	0	2181
1981-82	0	0	6	106	268	570	639	344	191	129	2	0	2255
1982-83	0	0	3	85	215	310	618	437	281	149	1	0	2099
1983-84	0	0	14	39	284	591	631	386	270	94	18	0	2327
1984-85	0	0	4	23	327	276	737	448	215	87	6	0	2123
1985-86	0	0	7	41	94	625	620	330	253	87	2	0	2059
1986-87	0	8	0	93	162	491	597	451	285	143	2	0	2232
1987-88	0	0	0	202	240	406	700	515	272	87	5	0	2427
1988-89	0	0	0	152	216	513	407	400	229	148	31	0	2096
1989-90	0	0	15	115	280	724	398	250	192	119	10	0	2103
1990-91	0	0	6	96	243	378	522	325	201	32	2	0	1805
1991-92	0	0	0	58	359	429	541	354	302	151	30	0	2224
1992-93	0	0	6	88	307	534	441	487	351	164	9	0	2387
1993-94	0	0	3	109	335	597	679	364	197	48	25	0	2357
1994-95	0	0	0	83	212	435	545	447	197	77	11	0	2007
1995-96	0	0	12	85	430	594	585	455	406	157	13	0	2737
1996-97	0	0	0	115	362	488	517	372	119	166	33	0	2172
1997-98	0	0	0	110	406	568	498	398	352	115	1	0	2448
1998-99	0	0	0	56	170	383	475	361	343	74	12	0	1874
1999-00	0	0	4	94	240	521	589	372	191	154	1	0	2166
2000-01	0	0	8	77	353	790	632	302	356	96	1	0	2615
2001-02	0	0	13	155	179	397	487	487	259	46	33	0	2056
2002-03	0	0	0	58	381	597	668	431	189	81	0	0	2405
2003-	0	0	7	35	197	617							

WBAN : 03813

COOLING DEGREE DAYS (base 65°F) 2003 MACON, GA (MCN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1974	17	6	59	87	288	344	505	482	264	49	13	1	2115
1975	3	5	25	80	282	377	415	476	261	113	40	0	2077
1976	0	4	28	70	148	347	514	457	297	63	0	0	1928
1977	0	0	34	127	296	520	573	512	397	40	18	4	2521
1978	0	0	9	87	244	481	544	504	405	76	22	8	2380
1979	0	1	18	57	210	375	505	514	312	86	33	4	2115
1980	0	7	8	54	264	473	622	615	476	76	6	0	2601
1981	0	2	15	142	184	534	574	414	301	56	16	2	2240
1982	4	4	57	48	275	431	532	495	308	149	31	37	2371
1983	0	0	16	33	265	418	594	594	298	112	7	3	2340
1984	0	0	17	83	226	442	482	536	259	250	11	2	2308
1985	5	2	24	94	261	487	516	470	293	195	76	0	2423
1986	0	5	16	92	284	519	673	485	385	144	73	1	2677
1987	0	0	14	70	317	430	540	601	312	6	19	10	2319
1988	1	2	10	58	162	416	516	542	333	42	5	2	2089
1989	2	16	57	101	192	419	486	499	323	101	12	0	2208
1990	2	11	29	61	235	485	553	568	403	157	9	7	2520
1991	0	7	44	132	333	400	546	483	325	97	21	20	2408
1992	0	4	22	63	176	381	548	431	329	25	22	0	2001
1993	0	0	11	22	216	473	647	534	384	97	26	0	2410
1994	0	8	31	137	154	417	443	404	249	54	12	2	1911
1995	0	0	17	65	310	341	556	522	270	105	13	2	2201
1996	1	1	1	51	293	377	512	439	288	55	11	1	2030
1997	0	12	56	24	125	282	511	436	304	93	0	0	1843
1998	6	1	18	35	309	517	598	490	349	114	21	10	2468
1999	2	3	0	142	199	392	500	589	261	104	5	0	2197
2000	0	0	8	20	326	433	524	487	250	50	25	0	2123
2001	0	7	2	88	192	363	485	476	258	51	28	3	1953
2002	5	0	40	110	216	418	540	499	376	156	11	0	2371
2003	0	0	17	51	263	399	505	519	310	82	63	0	2209

SNOWFALL (inches) 2003 MACON, GA (MCN)

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	0.0	0.0	0.0	0.0	0.0	0.0	T
1975-76	0.0	0.0	0.0	0.0	0.0	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	3.0	0.0	0.0	0.0	0.0	0.0	3.0
1977-78	0.0	0.0	0.0	0.0	0.0	T	T	0.2	T	0.0	0.0	0.0	0.2
1978-79	0.0	0.0	0.0	0.0	0.0	0.0	T	3.4	0.0	0.0	0.0	0.0	3.4
1979-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.1	0.0	0.0	0.0	1.5
1980-81	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	0.0	T
1981-82	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	T	0.0	0.0	0.0	2.2
1982-83	0.0	0.0	0.0	0.0	0.0	0.0	1.4	T	T	0.0	0.0	0.0	1.4
1983-84	0.0	0.0	0.0	0.0	0.0	T	T	0.1	0.0	0.0	0.0	0.0	0.1
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	T	0.0	0.0	0.0	T
1986-87	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	T
1987-88	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	2.1
1988-89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	T	0.0	0.2
1989-90	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T
1990-91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4
1991-92	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	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	2.6	0.0	T	0.0	2.6
1993-94	T	0.0	0.0	0.0	0.0	1.6	0.0	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	0.0		0.0	0.0	0.0	0.0	
1995-96		0.0	0.0	0.0	T	0.0	T	T	0.0	0.0	0.0		
1996-97													
1997-98													
1998-99													
1999-00													
2000-01													
2001-02													
2002-03													
2003-													
POR= 47 YRS	T	0.0	0.0	0.0	T	T	T	T	0.1	0.0	T	0.0	0.1

WBAN : 03813

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  
MACON,  
GEORGIA (MCN)

Located very near the geographical center of Georgia, Macon is well situated to escape rigorous climatic extremes. The climate is a blend of the maritime and continental types. Rarely does either dominate for long unbroken periods. The prevailing northwesterly winds of winter and early spring are frequently superseded by southerly flows of warm, moist tropical air. The southern extremity of the Appalachians presents an effective barrier to the rapid flow of cold air in winter. In summertime the prevailing southerlies frequently give way to the drier westerly and northerly winds. In short, the climate is truly equable.

Severe storms occur occasionally in this locality. Tornadoes occur, about twice each year within the area covered by Bibb and adjacent counties. Thunderstorms occur on approximately two days out of five from June through August. Occasionally, thunderstorms are accompanied by severe squalls, but property damage from this cause has been heavy in only a few instances. As Macon is some 200 miles from both the Atlantic and the Gulf of Mexico, hurricanes offer no direct threat, and secondary effects are generally milder than those produced by the heavier thunderstorms. Property damage of a minor nature occurs occasionally due to gale force winds and heavy rainfall.

Snow occurs at some time during most winters, but amounts of snow are usually quite small. However, on rare occasions heavy snow does occur in this area.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is November 8 and the average last occurrence in the spring is March 17.

The National Weather Service Office is surrounded by predominantly flat terrain. Flanking the station on the west, a range of wooded hills about 300 feet in height runs in a general northwest-southeast direction. The nearest point of these hills is about 2 1/2 miles to the southwest. Most of the countryside is well wooded, except for a few farms. Much of the outlying area is swampy, especially in the river and creek bottoms. Besides the swamps, the only bodies of water in the vicinity are the Ocmulgee River, Echeconnee Creek, and Tobesofkee Creek. These have little influence on the climate, except that when other conditions are favorable, they contribute to the formation of fog.

# STATION LOCATION

MACON, GEORGIA

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE										AUTOMATIC OBSERVING EQUIPMENT *	* TYPE	REMARKS
						GROUND												
						SEA LEVEL	WIND INSTRUMENT	EXTREME THERMOMETER	PSYCHROMETER	SUNSHINE SWITCH	TIPPING GAUGE	WEIGHING RAIN GAGE	8 INCH RAIN GAGE	HYGROMETER				
*NOTE:																		
<u>AIRPORT</u>																		
Herbert Smart Municipal Airport, Administration Building	9/20/38	12/1/48		32°50'	83°34'	428	26	5	5						4			
Administration Building Municipal Airport Cochran Field *	12/1/48	05/01/94	10 mi. SSW	32°42'	83°39'	b354	23g23	5c	5c	%5	3	NA d4	3e4	a5f4	NA		Wind instruments 74 feet to 8/24/62. a. Commissioned 1660 feet S of thermometer site 7/16/64. b. 356 feet to 7/16/64. c. Decommissioned prior to December 1966. d. Commissioned 6/1/82. e. Moved 5 ft. South 6/1/82. %. Commissioned 12/9/70. f. Lowered & type change 8/3/85. g. Type change 9/6/85.	
* Name changed to Lewis B. Wilson Airport in June 1967.																		
Middle GA Regional Airport	05/01/94	Present	NA	32°41'	83°39'	h356									S		ASOS commissioned 05/01/94. h. Ground elevation.	

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