

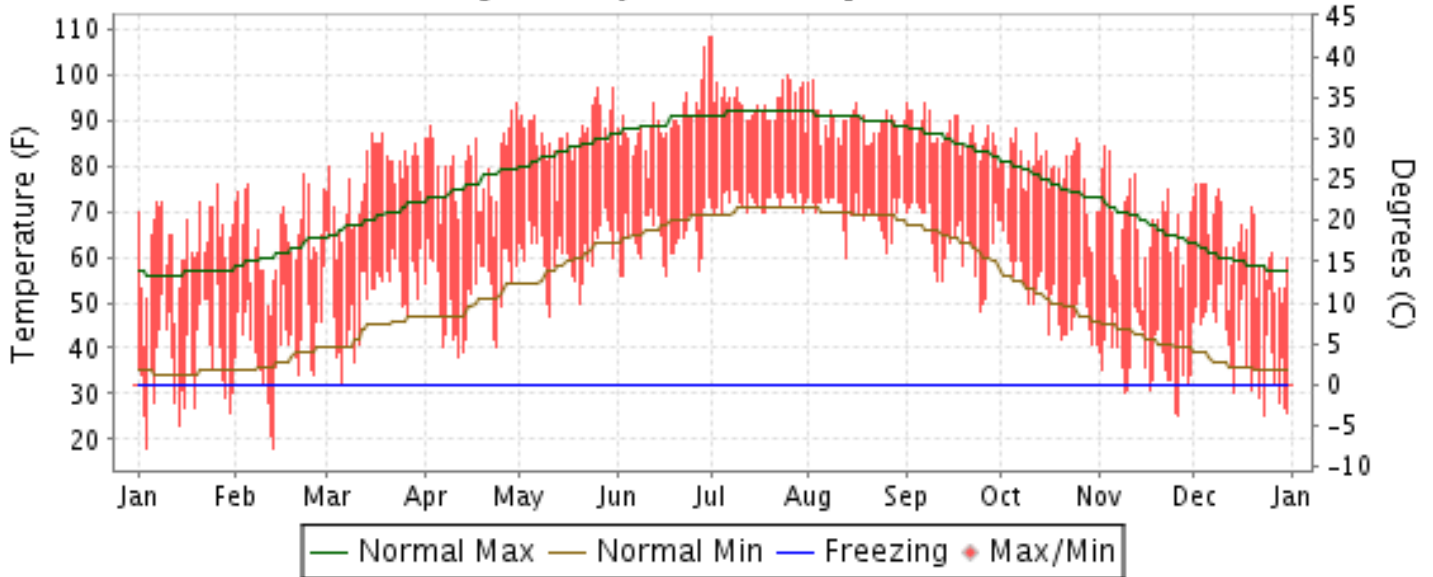


2012 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

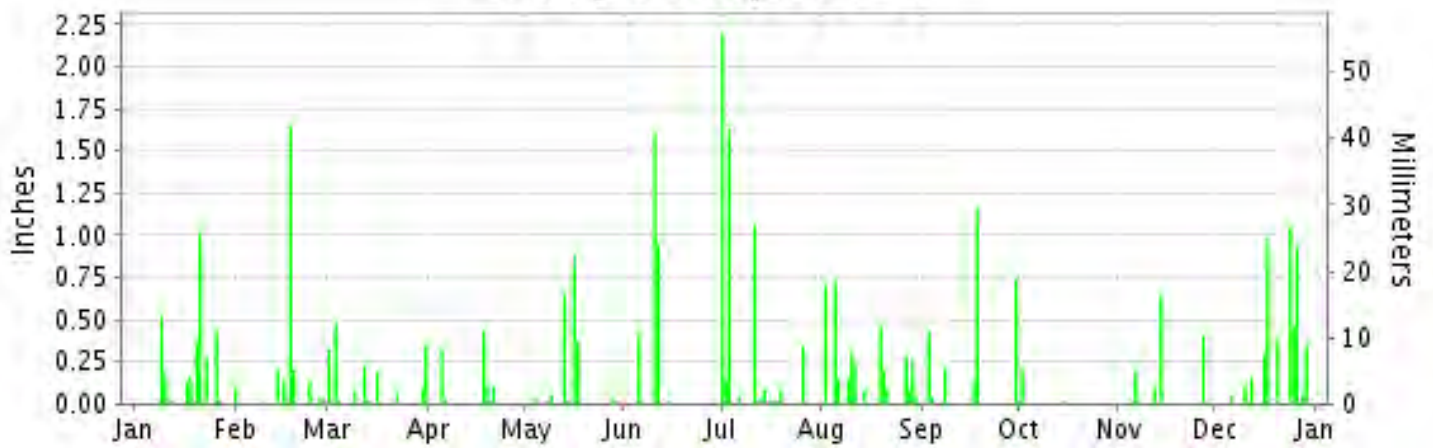
ISSN 0198-1625

MACON, GEORGIA (KMCN)

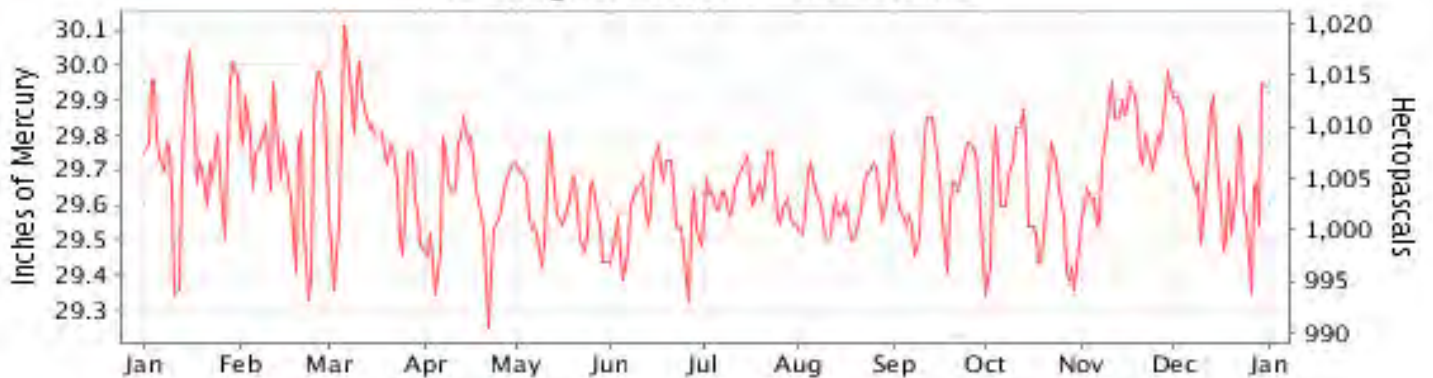
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2012

MACON (KMCN)

LATITUDE: 32° 41'N LONGITUDE: 83° 39'W ELEVATION (FT): GRND: 343 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	63.0	64.4	76.9	79.7	87.5	89.9	94.4	89.5	87.2	78.8	66.9	63.5	78.5	
	HIGHEST DAILY MAXIMUM	76	78	87	94	97	108	108	99	94	88	84	76	108	
	DATE OF OCCURRENCE	26	23	19+	30	31+	30	01	02	07+	06	03	05+	JUL 01	
	MEAN DAILY MINIMUM	36.7	40.8	51.7	51.8	60.9	64.3	72.3	69.6	63.4	51.8	37.8	40.8	53.5	
	LOWEST DAILY MINIMUM	18	18	32	38	47	56	69	60	48	41	25	25	18	
	DATE OF OCCURRENCE	04	13	06	12	11	17+	02	13	24	31+	26	23	FEB 13	
	AVERAGE DRY BULB	49.9	52.6	64.3	65.8	74.2	77.1	83.4	79.6	75.3	65.3	52.4	52.2	66.0	
	MEAN WET BULB	45.1	48.2	58.0	57.9	65.5	68.0	73.9	72.5	67.5	57.8	46.4	47.4	59.0	
	MEAN DEW POINT	38.3	43.3	52.9	51.5	60.4	62.9	70.4	70.1	63.8	52.6	40.3	43.0	54.1	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	2	11	14	30	19	9	0	0	0	0	85
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINIMUM <= 32°	11	4	1	0	0	0	0	0	0	0	6	8	30	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	462	360	98	75	0	0	0	0	0	66	375	390	1826	
	COOLING DEGREE DAYS	0	8	84	105	296	372	576	457	315	83	1	0	2297	
RH	MEAN (PERCENT)	69	74	71	65	67	66	72	80	75	71	71	76	71	
	HOUR 01 LST	79	86	85	83	87	85	87	93	92	90	89	87	87	
	HOUR 07 LST	86	90	85	79	79	76	81	89	87	87	87	90	85	
	HOUR 13 LST	49	54	51	42	45	44	47	58	48	43	44	56	48	
	HOUR 19 LST	68	70	68	61	62	58	74	83	81	75	73	76	71	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	4	6	3	3	0	1	0	3	4	1	1	5	31	
	THUNDERSTORMS	1	0	4	1	2	3	11	6	2	0	0	2	32	
PR	MEAN STATION PRESS. (IN.)	29.75	29.74	29.73	29.60	29.59	29.58	29.63	29.61	29.65	29.61	29.78	29.70	29.66	
	MEAN SEA-LEVEL PRESS. (IN.)	30.15	30.13	30.12	29.99	29.97	29.95	30.01	29.99	30.03	29.99	30.17	30.09	30.05	
WINDS	RESULTANT SPEED (MPH)	2.7	1.4	1.2	2.1	1.0	1.1	1.7	0.7	0.3	2.2	1.7	1.6	0.8	
	RES. DIR. (TENS OF DEGS.)	26	28	21	28	05	10	24	15	15	31	35	29	28	
	MEAN SPEED (MPH)	5.7	5.8	5.6	5.5	5.3	5.6	4.4	3.6	3.5	5.1	4.1	5.0	4.9	
	PREVAIL.DIR.(TENS OF DEGS.)	27	23	13	28	28	28	24	23	28	28	28	30	24	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	30	29	30	28	29	31	36	30	24	26	21	30	36	
	DIR. (TENS OF DEGS.)	29	32	28	29	06	26	27	09	21	33	29	27	27	
	DATE OF OCCURRENCE	12	24	04	05	17	05	01	27	03	29	01	26	JUL 01	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	40	39	39	37	36	43	41	41	32	43	25	40	43	
DIR. (TENS OF DEGS.)	29	32	28	30	06	27	21	09	21	31	26	28	31		
DATE OF OCCURRENCE	12	24	04	23	17	05	26	27	03	29	02	26	OCT 29		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	3.20	2.52	1.84	1.03	2.11	3.04	5.68	3.79	2.71	0.25	1.38	4.86	32.41	
	GREATEST 24-HOUR (IN.)	1.02	1.85	0.51	0.55	1.26	1.79	2.34	0.73	1.29	0.23	0.65	1.38	2.34	
	DATE OF OCCURRENCE	21	18-19	03-04	18-19	16-17	10-11	01-02	05	17-18	01-02	14	25-26	JUL 01-02	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	12	9	10	6	9	5	13	14	6	3	6	11	104		
PRECIPITATION 0.10	8	5	5	4	3	3	5	10	5	1	3	9	61		
PRECIPITATION 1.00	1	1	0	0	0	1	3	0	1	0	0	1	8		
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 (KMCN)

LATITUDE: 32° 41'N
LONGITUDE: 83° 39'W
ELEVATION (FT): GRND: 343 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	57.8	62.1	69.5	76.8	84.6	90.3	92.6	91.4	86.1	77.4	68.8	59.6	76.4
	MEAN DAILY MAXIMUM	64	58.1	61.9	69.2	77.6	85.1	90.5	92.5	91.8	86.5	77.8	68.4	60.0	76.6
	HIGHEST DAILY MAXIMUM	65	84	85	95	96	99	108	108	105	102	100	88	82	108
	YEAR OF OCCURRENCE		1949	1989	1949	1986	1967	2012	2012	2007	1980	1954	1961	1972	JUL 2012
	MEAN OF EXTREME MAXS.	64	74.5	76.7	83.9	89.3	94.0	98.5	99.3	98.6	95.3	89.1	81.9	76.1	88.1
	NORMAL DAILY MINIMUM	30	34.8	38.0	44.1	50.1	59.2	67.6	71.0	70.3	63.9	52.4	43.0	36.4	52.6
	MEAN DAILY MINIMUM	64	35.7	38.2	44.5	51.4	60.0	67.5	71.1	70.3	64.6	52.6	42.7	37.1	53.0
	LOWEST DAILY MINIMUM	65	-6	9	14	28	40	46	54	55	35	26	10	5	-6
	YEAR OF OCCURRENCE		1985	1973	1980	2007	1997	1972	1967	1952	1967	1952	1950	1962	JAN 1985
	MEAN OF EXTREME MINS.	64	18.0	21.5	27.8	35.5	46.0	57.0	64.7	62.7	51.3	35.8	26.5	20.6	39.0
	NORMAL DRY BULB	30	46.3	50.0	56.8	63.4	71.9	78.9	81.8	80.9	75.0	64.9	55.9	48.0	64.5
	MEAN DRY BULB	64	46.9	50.0	56.9	64.5	72.5	79.1	81.8	81.1	75.6	65.2	55.6	48.6	64.8
	MEAN WET BULB	29	40.2	43.3	49.2	55.0	63.0	69.6	72.7	72.6	67.3	57.4	49.0	42.3	56.8
	MEAN DEW POINT	29	37.1	39.7	45.7	51.9	60.6	68.0	71.2	71.1	65.7	55.3	46.5	39.3	54.3
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.6	5.6	17.2	23.0	20.2	8.5	0.6	0.0	0.0	75.7
	MAXIMUM <= 32	30	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3
MINIMUM <= 32	30	13.6	8.0	3.1	0.4	0.0	0.0	0.0	0.0	0.0	0.5	4.7	11.9	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	0.0	
H/C	NORMAL HEATING DEG. DAYS	30	580	420	272	110	15	0	0	0	6	97	292	530	2322
	NORMAL COOLING DEG. DAYS	30	1	2	18	63	229	419	521	491	306	94	19	3	2166
RH	NORMAL (PERCENT)	30	72	69	68	66	70	72	75	77	77	74	73	73	72
	HOURLY 01 LST	30	80	78	78	80	84	86	87	90	90	87	84	82	84
	HOURLY 07 LST	30	84	85	87	88	88	89	90	93	94	91	89	86	89
	HOURLY 13 LST	30	59	54	53	48	50	53	56	57	58	52	54	58	54
	HOURLY 19 LST	30	66	59	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)	49	3.8	2.9	2.0	1.4	1.4	1.4	1.3	2.1	2.4	2.0	3.3	3.8	27.8
	THUNDERSTORMS	64	1.2	1.7	3.1	3.6	5.7	8.4	12.0	8.7	2.9	0.9	1.0	0.9	50.1
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH: CLEAR														
	PARTLY CLOUDY CLOUDY														
PR	MEAN STATION PRESSURE(IN)	29	29.75	29.72	29.67	29.63	29.62	29.61	29.64	29.63	29.64	29.69	29.74	29.77	29.68
	MEAN SEA-LEVEL PRES. (IN)	29	30.15	30.11	30.06	30.02	30.00	29.99	30.02	30.00	30.02	30.07	30.12	30.15	30.06
WINDS	MEAN SPEED (MPH)	29	6.7	7.0	7.1	6.6	6.1	5.6	5.3	5.0	5.4	5.4	5.6	6.1	6.0
	PREVAIL.DIR.(TENS OF DEGS)	38	31	31	31	28	28	28	28	05	05	05	31	31	31
	MAXIMUM 2-MINUTE: SPEED (MPH)	19	37	37	35	46	47	44	40	41	40	36	40	34	47
	DIR. (TENS OF DEGS)		32	15	13	26	31	27	28	02	09	11	30	26	31
	YEAR OF OCCURRENCE		1995	1996	2009	2011	1995	1998	2000	2007	2004	2008	1995	2000	MAY 1995
	MAXIMUM 3-SECOND SPEED (MPH)	19	60	44	59	72	64	55	55	62	51	64	54	45	72
	DIR. (TENS OF DEGS)		27	15	09	33	30	34	06	01	09	27	25	17	33
	YEAR OF OCCURRENCE		2009	2009	2009	1996	1995	2009	2008	2007	2004	2009	1996	2009	APR 1996
PRECIPITATION	NORMAL (IN)	30	4.24	4.36	4.55	2.96	2.72	4.06	4.95	4.10	3.59	2.79	3.32	4.04	45.68
	MAXIMUM MONTHLY (IN)	65	10.87	9.32	11.90	8.42	11.77	9.75	18.16	8.63	12.66	9.39	10.27	10.39	18.16
	YEAR OF OCCURRENCE		1991	1983	1980	1964	1957	2003	1994	1991	2004	1959	1992	1972	JUL 1994
	MINIMUM MONTHLY (IN)	65	0.69	0.37	0.42	0.11	T	0.89	0.37	1.13	.02	0.00	0.43	0.58	0.00
	YEAR OF OCCURRENCE		1954	2000	2004	1986	2007	1988	1986	1980	2005	1963	1956	1955	OCT 1963
	MAXIMUM IN 24 HOURS (IN)	65	5.07	5.17	4.34	3.65	5.37	4.97	10.60	3.06	5.31	5.35	3.14	4.75	10.60
	YEAR OF OCCURRENCE		1991	1981	1991	1955	1976	1965	1994	2003	2009	1970	1992	2008	JUL 1994
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	10.1	9.0	8.9	7.7	7.8	10.3	11.4	10.4	7.3	6.2	7.9	8.8	105.8
	PRECIPITATION >= 1.00	30	1.2	1.5	1.4	0.9	0.6	1.1	1.3	1.3	1.0	0.9	1.2	1.3	13.7
	SNOWFALL	NORMAL (IN)	30	0.4	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
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	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5

PRECIPITATION (inches) 2012 MACON (KMCN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
2004	4.23	6.01	0.42	1.70	2.41	4.19	0.60	8.63	12.66	1.66	3.68	0.75	46.94
2005	2.77	4.85	7.34	3.94	1.84	6.47	7.12	5.53	0.02	2.02	1.78	3.75	47.43
2006	2.02	3.81	1.24	2.48	1.52	5.12	3.42	2.28	1.46	2.23	3.05	5.99	34.62
2007	4.43	2.19	1.49	2.15	T	4.69	6.22	6.10	3.10	1.29	1.19	6.86	39.71
2008	3.80	5.77	2.41	3.08	1.04	4.72	5.08	6.82	0.32	4.84	4.92	5.32	48.12
2009	1.34	2.32	7.78	5.66	5.73	2.80	2.14	3.83	10.68	6.37	3.89	8.98	61.52
2010	5.50	3.07	3.49	1.36	4.31	5.73	6.97	3.51	5.41	0.95	2.61	1.08	43.99
2011	2.79	4.69	4.03	1.30	0.66	2.76	4.16	1.41	3.96	1.22	3.13	3.03	33.14
2012	3.20	2.52	1.84	1.03	2.11	3.04	5.68	3.79	2.71	0.25	1.38	4.86	32.41
POR= 64 YRS	4.12	4.47	4.76	3.19	3.20	3.87	4.68	3.85	3.38	2.36	2.73	4.08	44.69

WBAN : 03813

AVERAGE TEMPERATURE (°F) 2012 MACON (KMCN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
2004	46.2	47.4	60.8	64.4	76.0	80.9	83.0	80.5	75.7	69.5	59.2	48.0	66.0
2005	50.6	52.8	55.7	62.1	69.9	79.2	83.5	82.6	79.5	66.0	56.8	44.9	65.3
2006	52.3	48.2	55.7	66.9	71.1	78.6	82.7	82.6	74.0	63.2	54.8	51.1	65.1
2007	49.0	47.3	59.8	61.0	71.2	79.1	79.7	84.6	75.7	67.4	54.1	53.0	65.2
2008	44.8	51.2	56.4	63.1	71.5	80.8	81.2	80.0	75.6	63.0	52.1	52.9	64.4
2009	47.6	49.7	57.3	62.6	72.4	80.8	80.1	80.0	75.4	64.5	55.6	46.0	64.3
2010	42.3	42.6	52.6	65.0	74.4	82.0	83.4	83.8	77.5	64.7	55.1	40.9	63.7
2011	42.0	51.2	57.6	66.7	72.4	82.9	83.3	84.1	74.9	61.3	55.9	51.0	65.3
2012	49.9	52.6	64.3	65.8	74.2	77.1	83.4	79.6	75.3	65.3	52.4	52.2	66.0
POR= 64 YRS	46.9	50.0	56.9	64.5	72.5	79.1	81.8	81.1	75.6	65.2	55.6	48.6	64.8

HEATING DEGREE DAYS (base 65°F) 2012 MACON (KMCN)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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
2003-04	0	0	7	35	197	617	579	502	157	88	11	0	2193
2004-05	0	0	0	12	218	527	436	339	294	100	14	0	1940
2005-06	0	0	0	122	253	619	387	462	294	55	23	0	2215
2006-07	0	0	6	141	310	424	494	489	177	156	5	0	2202
2007-08	0	0	0	60	321	368	620	397	275	99	4	0	2144
2008-09	0	0	0	138	382	376	541	425	246	108	10	0	2226
2009-10	0	0	3	96	276	584	699	623	378	51	4	0	2714
2010-11	0	0	0	73	296	740	708	387	242	65	26	0	2537
2011-12	0	0	1	134	288	432	462	360	98	75	0	0	1850
2012-	0	0	0	66	375	390							

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COOLING DEGREE DAYS (base 65°F) 2012 MACON (KMCN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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
2004	0	0	32	74	357	487	566	484	328	159	49	6	2542
2005	0	4	8	21	173	430	580	555	440	160	14	3	2388
2006	0	0	15	117	219	413	556	550	283	93	11	0	2257
2007	2	0	26	42	203	427	465	616	331	142	0	0	2254
2008	2	0	15	51	213	480	509	472	328	87	4	7	2168
2009	5	0	12	44	247	481	474	470	322	86	1	1	2143
2010	0	0	0	57	305	521	581	588	381	70	5	0	2508
2011	0	3	16	121	262	545	573	599	304	28	20	6	2477
2012	0	8	84	105	296	372	576	457	315	83	1	0	2297

SNOWFALL (inches) 2012 MACON (KMCN)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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													
2003-04													
2004-05													
2005-													
POR= 46 YRS	T	0.0	0.0	0.0	T	T	0.3	0.5	0.1	0.0	T	0.0	0.9

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. 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 CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.</p> <p>GENERAL CONTINUED: 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</p>	<p>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. 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. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED STATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS: http://www.ncdc.noaa.gov/homr/ SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p>NOTE:</p> <p>The "Period of Record:(POR)" for all "averages" is based on "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p> <p>The 2012 Annual Publications were reproduced on 6/05/13 to correct two problems that occurred when the Publications were first produced on 02/28/13.</p> <ol style="list-style-type: none"> 1) A small number of stations did not correctly show number of days with thunderstorms and heavy fog. 2) Climate Normals in the Annual Publications were based on a first edition of the 1981-2010 Normals release. With the release of Service Pack 1 (SP1) new normals for 83 stations are available and now included. Additional information on SP1 is available at: http://www1.ncdc.noaa.gov/pub/data/normals/1981-2010/status.txt.
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2012 MACON GEORGIA (KMCN)

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 History

MACON, GA

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
MACON MIDDLE GA REGIONAL AP	2003-06-02	Present	32° 41'	-83° 39'	343		ASOS, COOP
MACON LEWIS B WILSON AP	1967-06-01	1969-01-01	32° 42'	-83° 39'	354		AIRWAYS, COOP
MACON LEWIS B WILSON AP	1969-01-01	1981-12-31	32° 42'	-83° 39'	354		COOP, WXSVC
MACON LEWIS B WILSON AP	1981-12-31	1994-05-01	32° 42'	-83° 39'	354		COOP
MACON MUNICIPAL AP	1965-12-01	1967-06-01	32° 42'	-83° 39'	354		AIRWAYS, COOP
MACON MIDDLE GA REGIONAL AP	2002-05-09	2003-06-02	32° 41'	-83° 39'	343		ASOS, COOP
MACON MIDDLE GA REGIONAL AP	1994-05-01	2002-05-09	32° 41'	-83° 39'	354		ASOS, COOP
MACON COCHRAN FIELD	1949-01-01	1965-12-01	32° 42'	-83° 39'	354		AIRWAYS, COOP

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	1948-12-01	1964-07-01	DAILY	2400			
TEMP	1964-07-01	1991-10-03	DAILY	2400			
PRECIP	1991-10-03	1994-05-01	HOURLY	2400	UNIV	RCRD	
PRECIP	1994-05-01	2002-05-09	HOURLY		TB	RCRD	
PRECIP	2003-06-02	Present	DAILY	2400	PCPNX		
PRECIP	1991-10-03	1994-05-01	DAILY	2400	UNIV	RCRD	
TEMP	2003-06-02	Present	DAILY	2400	ATEMP		
PRECIP	1964-07-01	1991-10-03	DAILY	2400	UNIV	RCRD	
PRECIP	2003-06-02	Present	HOURLY	2400	AWPAG	RCRD;HTD	
TEMP	2002-05-09	2003-06-02	DAILY	2400	ATEMP		
PRECIP	1994-05-01	2002-05-09	DAILY	2400	TB	RCRD	
PRECIP	2002-05-09	2003-06-02	HOURLY		TB	RCRD	
PRECIP	1948-12-01	1964-07-01	DAILY	2400	UNIV	RCRD	
PRECIP	1964-07-01	1991-10-03	HOURLY	2400	UNIV	RCRD	
TEMP	1991-10-03	1994-05-01	DAILY	2400	HYGR		
TEMP	1994-05-01	2002-05-09	DAILY	2400	HYGR		
PRECIP	2002-05-09	2003-06-02	DAILY	2400	TB	RCRD	

* For explanation of codes and abbreviations see Station Metadata link below.

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

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Email : ncdc.orders@noaa.gov

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Asheville, NC 28801-5001

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