

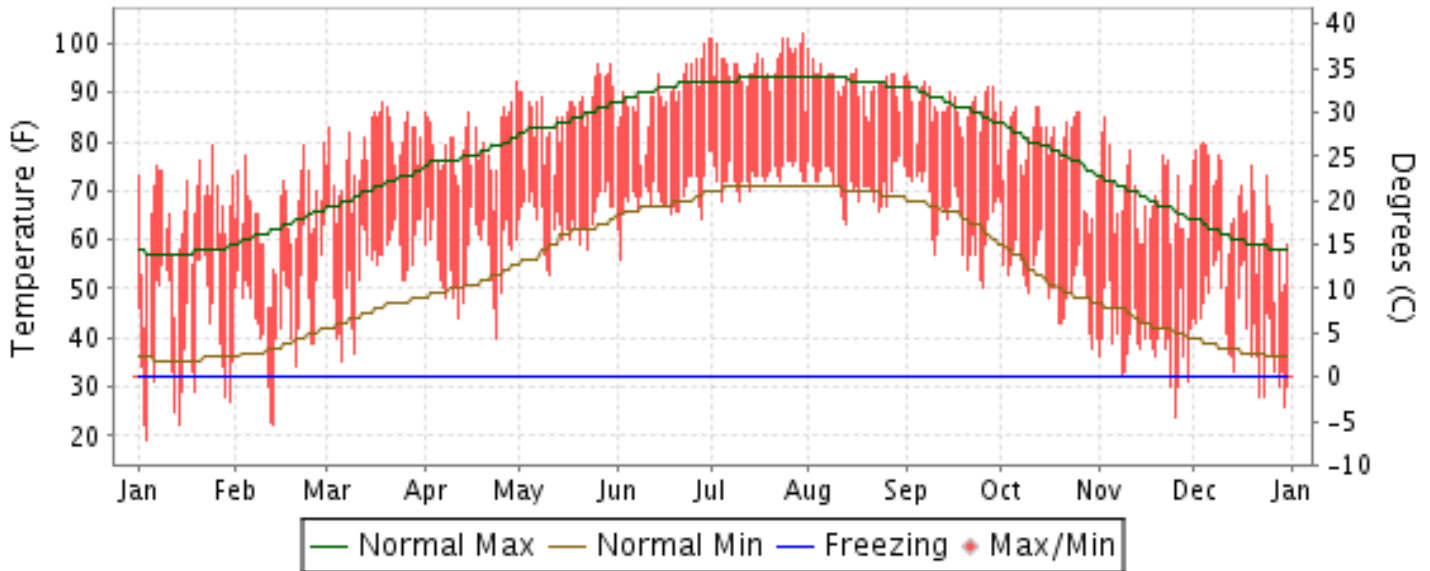


# 2012 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

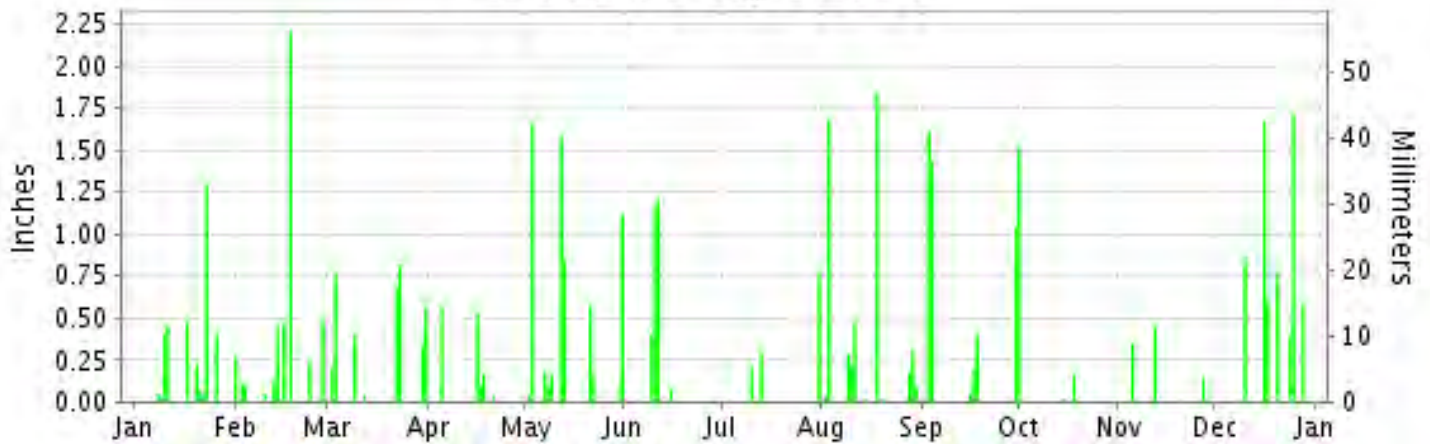
ISSN 0197-9523

## MONTGOMERY, ALABAMA (KMGM)

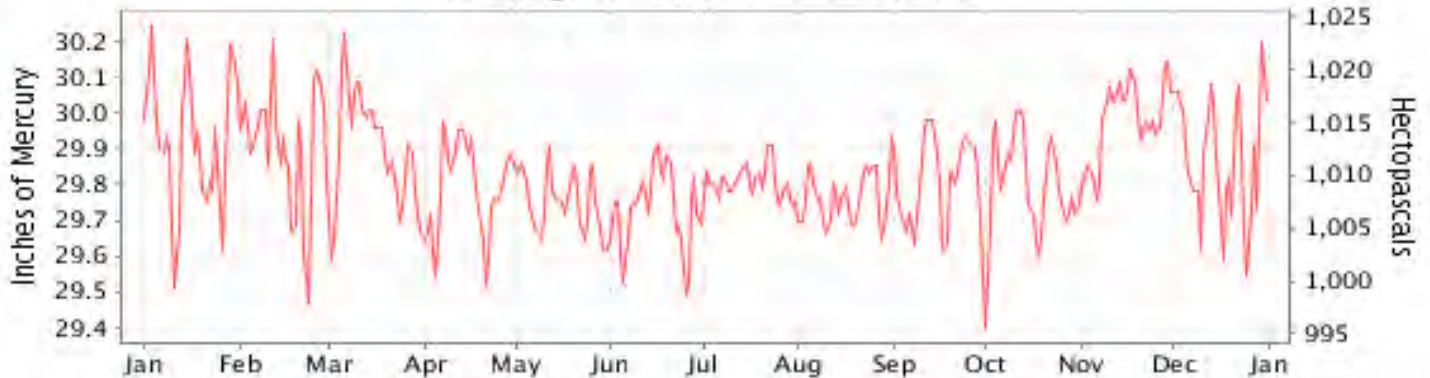
### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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NATIONAL  
CLIMATIC DATA CENTER  
ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2012

## MONTGOMERY (KMGM)

LATITUDE: 32° 17'N      LONGITUDE: 86° 24'W      ELEVATION (FT): GRND: 202 BARO: 230      TIME ZONE: CENTRAL (UTC -6)      WBAN: 13895

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	65.3	65.2	78.6	79.9	86.7	89.7	96.0	92.1	87.0	79.1	69.0	66.3	79.6	
	HIGHEST DAILY MAXIMUM	79	80	88	92	96	101	102	99	94	88	85	80	102	
	DATE OF OCCURRENCE	25	29	19	30	30+	30	30	01	01	01	03	04	JUL 30	
	MEAN DAILY MINIMUM	40.0	45.3	55.0	55.8	64.0	68.4	73.1	71.3	64.8	51.8	39.0	41.8	55.9	
	LOWEST DAILY MINIMUM	19	22	35	40	53	56	68	63	50	38	24	26	19	
	DATE OF OCCURRENCE	04	13	06	24	11	02	10+	13	25	30	25	30	JAN 04	
	AVERAGE DRY BULB	52.7	55.3	66.8	67.9	75.4	79.1	84.6	81.7	75.9	65.5	54.0	54.1	67.8	
	MEAN WET BULB	47.8	50.1	59.5	60.4	67.6	70.8	74.7	73.1	68.2	58.0	47.8	48.4	60.5	
	MEAN DEW POINT	41.2	44.7	53.8	54.9	63.7	66.6	70.9	69.7	64.0	52.6	41.8	43.2	55.6	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	1	9	14	30	25	9	0	0	0	0	88
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINIMUM <= 32°	9	3	0	0	0	0	0	0	0	0	5	5	22	
	MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	378	290	66	36	0	0	0	0	0	67	324	336	1497	
	COOLING DEGREE DAYS	1	13	129	128	329	430	613	523	334	90	4	4	2598	
RH	MEAN (PERCENT)	68	70	67	67	71	69	70	73	72	68	68	71	70	
	HOUR 00 LST	78	78	77	81	86	82	84	86	85	84	82	80	82	
	HOUR 06 LST	84	84	84	87	88	84	87	89	89	88	87	84	86	
	HOUR 12 LST	54	59	52	49	54	55	49	54	51	45	47	58	52	
	HOUR 18 LST	59	61	56	54	60	55	61	65	64	62	61	66	60	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	3	0	3	2	1	0	0	3	2	1	6	9	30	
	THUNDERSTORMS	4	2	4	2	3	1	5	12	3	0	0	4	40	
PR	MEAN STATION PRESS. (IN.)	29.93	29.91	29.90	29.79	29.75	29.73	29.80	29.77	29.80	29.80	29.97	29.88	29.84	
	MEAN SEA-LEVEL PRESS. (IN.)	30.15	30.13	30.11	30.01	29.97	29.94	30.01	29.98	30.02	30.02	30.19	30.09	30.05	
WINDS	RESULTANT SPEED (MPH)	2.1	0.3	1.7	1.3	0.8	1.8	1.9	1.3	0.3	2.1	1.6	0.8	0.3	
	RES. DIR. (TENS OF DEGS.)	23	32	15	27	04	09	23	10	09	31	33	26	26	
	MEAN SPEED (MPH)	6.0	6.4	5.9	5.3	3.9	5.2	4.6	4.5	3.8	4.7	4.2	6.0	5.0	
	PREVAIL.DIR.(TENS OF DEGS.)	18	21	10	21	09	09	20	10	09	30	32	09	09	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	30	31	30	28	39	35	33	31	25	26	29	38	39	
	DIR. (TENS OF DEGS.)	32	07	35	32	27	08	29	28	29	29	30	29	27	
	DATE OF OCCURRENCE	02	18	09	22	31	14	12	18	03	30	05	20	MAY 31	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	44	38	37	43	54	41	44	38	31	33	35	55	55	
DIR. (TENS OF DEGS.)	33	20	27	28	27	07	28	14	29	28	31	25	25		
DATE OF OCCURRENCE	24	23	04	05	31	14	12	29	03	30	05	10	DEC 10		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	3.47	4.56	3.80	1.38	6.48	2.86	1.30	5.16	4.74	1.71	0.96	6.65	43.07	
	GREATEST 24-HOUR (IN.)	1.34	2.21	1.45	0.56	2.43	1.54	0.78	1.84	3.04	1.51	0.45	2.28	3.04	
	DATE OF OCCURRENCE	22-23	18	22-23	05	12-13	10-11	31	18	03-04	01	12	16-17	SEP 03-04	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	10	13	8	5	11	5	4	11	6	4	4	8	89		
PRECIPITATION 0.10	6	8	7	3	8	3	3	7	5	2	3	7	62		
PRECIPITATION 1.00	1	1	0	0	3	2	0	2	3	1	0	2	15		
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 MONTGOMERY (KMGM)

LATITUDE: 32° 17'N      LONGITUDE: 86° 24'W      ELEVATION (FT): GRND: 202 BARO: 230      TIME ZONE: CENTRAL (UTC -6)      WBAN: 13895

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	57.4	61.8	69.7	76.6	84.0	89.8	92.1	91.9	87.3	78.3	69.0	59.6	76.5
	MEAN DAILY MAXIMUM	65	57.8	61.9	69.3	77.1	84.2	90.1	92.0	91.9	87.2	78.2	68.2	60.0	76.5
	HIGHEST DAILY MAXIMUM	69	83	85	89	94	98	105	105	106	101	100	87	83	106
	YEAR OF OCCURRENCE		2005	1962	2007	2007	1953	1954	1952	2007	1980	1954	2004	2005	AUG 2007
	MEAN OF EXTREME MAXS.	65	75.1	77.8	83.5	87.3	92.3	97.0	97.9	97.6	95.1	88.9	82.1	76.9	87.6
	NORMAL DAILY MINIMUM	30	35.7	39.2	45.3	51.6	60.7	68.1	71.5	71.0	65.2	53.5	43.9	37.4	53.6
	MEAN DAILY MINIMUM	65	36.3	39.4	45.8	52.6	61.1	68.3	71.7	71.1	65.8	53.4	43.4	37.9	53.9
	LOWEST DAILY MINIMUM	69	0	10	17	28	40	49	59	56	39	26	13	0	0
	YEAR OF OCCURRENCE		1985	1996	1993	1987	1971	1984	2009	1992	1967	1952	1950	1985	DEC 1985
	MEAN OF EXTREME MINS.	65	18.6	23.0	29.3	37.4	47.8	58.4	66.2	64.1	52.8	37.2	27.1	21.4	40.3
	NORMAL DRY BULB	30	46.6	50.5	57.5	64.1	72.4	79.0	81.8	81.5	76.3	65.9	56.5	48.5	65.1
	MEAN DRY BULB	65	47.1	50.7	57.5	64.9	72.7	79.3	81.9	81.5	76.5	65.8	55.8	49.0	65.2
	MEAN WET BULB	29	40.9	44.9	50.0	56.3	64.6	70.3	73.3	72.9	68.0	58.0	49.8	43.2	57.7
	MEAN DEW POINT	29	38.3	41.3	46.7	53.6	62.4	68.9	72.1	71.5	66.3	56.0	47.1	40.6	55.4
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.1	4.2	15.9	22.4	21.5	10.9	1.0	0.0	0.0	76.0
	MAXIMUM <= 32	30	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5
MINIMUM <= 32	30	12.5	7.1	2.1	0.2	0.0	0.0	0.0	0.0	0.0	0.2	3.7	10.8	36.6	
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	574	410	255	99	10	0	0	0	4	87	280	517	2236
	NORMAL COOLING DEG. DAYS	30	2	4	23	72	238	419	521	510	341	115	23	6	2274
RH	NORMAL (PERCENT)	30	71	67	66	67	71	72	76	75	74	72	72	72	71
	HOURLY 00 LST	30	77	75	75	79	84	85	88	88	86	85	82	79	82
	HOURLY 06 LST	30	82	82	83	87	88	89	91	92	90	89	87	84	87
	HOURLY 12 LST	30	60	55	53	51	54	55	59	57	56	52	55	59	56
	HOURLY 18 LST	30	65	58	55	55	60	61	66	67	67	65	67	67	63
S	PERCENT POSSIBLE SUNSHINE	45	47	52	59	65	63	62	61	63	62	64	55	47	58
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	49	3.0	1.7	1.8	1.4	1.4	1.1	1.1	1.3	1.6	2.2	3.0	3.4	23.0
	THUNDERSTORMS	65	1.8	2.3	4.6	4.7	5.7	8.4	11.3	8.5	3.8	1.4	1.8	1.5	55.8
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH: CLEAR														
	PARTLY CLOUDY CLOUDY														
PR	MEAN STATION PRESSURE(IN)	29	29.94	29.90	29.85	29.81	29.79	29.78	29.81	29.79	29.80	29.87	29.91	29.95	29.85
	MEAN SEA-LEVEL PRES. (IN)	29	30.16	30.12	30.07	30.02	30.00	29.99	30.02	30.00	30.01	30.07	30.13	30.16	30.06
WINDS	MEAN SPEED (MPH)	29	7.1	7.3	7.3	6.5	5.6	5.1	4.9	4.7	5.5	5.4	5.9	6.5	6.0
	PREVAIL.DIR(TENS OF DEGS)	44	32	32	31	19	19	11	23	09	09	09	32	32	09
	MAXIMUM 2-MINUTE: SPEED (MPH)	18	38	37	46	40	39	45	40	44	46	29	40	38	46
	DIR. (TENS OF DEGS)		29	08	28	20	27	02	07	10	13	30	31	29	13
	YEAR OF OCCURRENCE		2010	1998	1999	2005	2012	2006	2010	2000	2004	2010	2004	2012	SEP 2004
	MAXIMUM 3-SECOND SPEED (MPH)	18	48	60	55	52	64	55	49	60	64	40	52	55	64
	DIR. (TENS OF DEGS)		29	02	28	20	26	31	25	09	10	30	32	25	26
YEAR OF OCCURRENCE		2010	2004	1999	2005	2007	1998	2004	2000	2004	2010	2004	2012	MAY 2007	
PRECIPITATION	NORMAL (IN)	30	4.65	5.28	5.95	4.02	3.54	4.07	5.24	3.96	3.97	2.92	4.61	4.86	53.07
	MAXIMUM MONTHLY (IN)	69	10.16	13.38	12.40	15.64	12.01	14.44	9.99	10.43	10.62	9.06	21.32	10.44	21.32
	YEAR OF OCCURRENCE		1990	1961	1990	1964	1978	1989	1988	1984	1953	1959	1948	2009	NOV 1948
	MINIMUM MONTHLY (IN)	69	0.72	1.11	0.88	0.52	0.22	0.33	1.30	0.73	0.03	0.01	0.32	0.72	0.01
	YEAR OF OCCURRENCE		1954	1999	2004	1986	2007	1979	2012	1997	1995	1978	1949	1954	OCT 1978
	MAXIMUM IN 24 HOURS (IN)	69	4.73	5.95	8.62	4.59	6.36	6.99	4.52	5.68	8.81	4.25	8.17	4.73	8.81
	YEAR OF OCCURRENCE		1965	1982	1990	1957	1978	1946	1970	1984	1953	1964	1948	1965	SEP 1953
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	10.1	8.9	8.7	7.7	7.6	9.7	11.5	9.1	6.9	6.7	7.5	9.8	104.2
PRECIPITATION >= 1.00	30	1.4	1.8	2.0	1.3	1.2	1.1	1.7	1.3	1.3	0.9	1.6	1.6	17.2	
SNOWFALL	NORMAL (IN)	30	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4
	MAXIMUM MONTHLY (IN)	51	6.0	3.1	3.8	0.8	T	0.0	0.0	0.0	0.0	T	T	6.0	6.0
	YEAR OF OCCURRENCE		1977	1973	1993	1987	1995					1993	1971	1977	DEC 1977
	MAXIMUM IN 24 HOURS (IN)	51	3.0	3.1	3.8	0.8	T	0.0	0.0	0.0	0.0	T	T	3.0	3.8
	YEAR OF OCCURRENCE		1977	1973	1993	1987	1995					1993	1971	1977	MAR 1993
	MAXIMUM SNOW DEPTH (IN)	48	3	2	4	1	0	0	0	0	0	0	0	3	4
YEAR OF OCCURRENCE		1977	1973	1993	1987								1977	MAR 1993	
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	

**PRECIPITATION (inches) 2012 MONTGOMERY (KMGM)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1983	6.12	7.68	8.96	11.50	3.22	6.46	2.83	4.24	5.99	3.58	7.27	7.62	75.47
1984	4.89	4.33	3.68	3.51	6.04	2.50	4.51	10.43	0.81	3.91	4.65	4.60	53.86
1985	3.31	9.00	1.93	3.39	2.67	2.11	6.75	3.61	4.72	3.53	2.60	4.72	48.34
1986	1.12	6.10	9.26	0.52	4.78	1.30	5.01	2.67	5.03	3.54	10.18	3.02	52.53
1987	7.78	9.18	4.82	0.71	4.84	7.84	2.12	4.64	3.96	0.43	4.40	4.30	55.02
1988	5.90	5.54	5.20	5.62	3.35	2.28	9.99	1.96	8.21	3.50	9.43	4.45	65.43
1989	2.03	2.88	8.06	7.26	3.85	14.44	8.79	4.13	4.72	3.79	6.36	9.18	75.49
1990	10.16	7.63	12.40	3.68	4.25	0.86	5.59	0.94	1.07	2.07	1.43	3.30	53.38
1991	8.26	2.80	8.38	6.61	11.57	5.57	5.94	2.48	4.02	0.59	5.85	5.53	67.60
1992	7.75	8.22	3.82	2.21	2.00	7.34	7.81	4.26	1.37	3.08	9.95	7.74	65.55
1993	5.19	4.45	7.69	3.32	1.62	2.92	3.52	6.83	2.47	4.13	6.12	4.68	52.94
1994	3.83	6.28	5.73	3.22	1.76	6.61	8.47	4.46	4.60	5.82	3.97	4.47	59.22
1995	6.04	6.07	3.67	4.24	0.68	2.86	1.73	1.56	0.03	7.60	3.13	6.19	43.80
1996	6.65	4.54	10.10	4.16	5.58	1.91	8.72	5.46	8.68	.62	2.47	4.20	63.09
1997	6.25	8.05	1.75	5.74	3.35	4.49	1.78	0.73	2.82	3.18	4.65	4.51	47.30
1998	2.45	7.67	6.25	1.82	3.10	4.18	3.69	2.33	9.47	0.73	0.89	1.88	44.46
1999	3.76	1.11	7.38	1.52	3.86	8.47	5.36	3.19	1.38	3.28	2.25	3.39	44.95
2000	4.04	1.88	3.22	1.64	0.78	2.13	1.69	2.39	7.50	0.79	6.88	5.01	37.95
2001	3.86	3.99	12.14	3.00	4.69	1.87	2.88	4.86	1.99	2.19	2.96	3.08	47.51
2002	2.82	2.25	5.77	1.22	0.88	1.31	7.68	2.59	3.83	2.56	2.88	5.17	38.96
2003	1.17	3.61	3.27	7.94	3.31	4.03	7.69	3.68	3.56	1.70	3.97	3.93	47.86
2004	2.57	5.47	0.88	4.42	3.58	8.46	2.33	3.12	7.05	1.98	6.94	2.79	49.59
2005	2.61	5.45	10.35	6.96	2.75	2.54	6.63	3.47	2.55	1.42	2.32	2.49	49.54
2006	4.51	5.15	3.42	2.50	2.70	4.39	1.82	4.06	3.46	4.00	4.97	3.73	44.71
2007	4.68	3.30	2.07	2.53	0.22	2.02	5.19	4.22	4.52	3.35	1.91	2.74	36.75
2008	5.67	2.37	4.20	3.06	3.42	2.20	7.95	9.58	1.16	3.53	4.24	4.39	51.77
2009	2.67	2.88	10.10	2.98	6.67	1.75	5.66	2.31	6.65	5.22	4.08	10.44	61.41
2010	7.29	3.76	4.08	1.19	3.72	1.30	3.77	4.09	2.19	2.57	3.36	1.03	38.35
2011	2.15	4.66	7.41	3.16	3.34	3.49	5.26	2.22	6.10	1.75	5.78	3.42	48.74
2012	3.47	4.56	3.80	1.38	6.48	2.86	1.30	5.16	4.74	1.71	0.96	6.65	43.07
POR= 65 YRS	4.32	4.88	5.94	4.11	3.75	3.78	5.05	3.52	4.37	2.54	3.96	4.77	50.99

WBAN : 13895

**AVERAGE TEMPERATURE (°F) 2012 MONTGOMERY (KMGM)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1983	44.4	49.0	54.0	60.0	70.5	75.6	81.9	82.9	74.3	67.4	56.3	45.5	63.5
1984	43.0	50.6	56.8	63.8	70.8	79.0	80.1	79.0	74.7	73.4	54.5	58.4	65.3
1985	41.2	49.2	62.4	66.7	73.3	79.3	80.8	80.6	74.9	70.0	64.0	43.6	65.5
1986	45.2	53.0	57.6	64.0	73.4	81.0	84.2	80.3	79.0	66.8	62.0	47.7	66.2
1987	45.6	50.2	57.1	62.4	74.8	78.8	82.4	83.6	76.2	59.7	57.5	52.9	65.1
1988	43.9	47.5	56.3	64.4	70.2	78.9	80.2	81.9	77.1	61.8	59.0	48.4	64.1
1989	52.7	50.7	59.2	63.1	71.4	78.0	80.6	81.4	75.7	64.3	55.1	41.3	64.5
1990	51.0	55.9	59.8	63.0	71.1	80.3	81.9	84.7	78.6	66.8	57.5	53.3	67.0
1991	48.0	53.5	58.6	68.1	75.7	78.3	82.2	81.2	76.6	66.6	52.3	50.9	66.0
1992	45.7	53.8	56.7	62.6	69.5	76.4	81.4	78.4	76.5	64.2	54.2	49.5	64.1
1993	51.2	48.7	54.3	60.6	71.4	80.4	84.6	82.4	77.3	65.2	54.4	46.9	64.8
1994	43.5	53.6	58.5	67.7	72.1	80.3	80.2	80.6	75.8	66.6	61.1	52.8	66.1
1995	48.6	52.1	62.0	65.9	76.0	78.0	82.8	83.2	75.9	65.7	50.5	46.0	65.6
1996	45.0	49.2	52.9	61.3	74.0	77.6	80.7	79.2	73.9	64.1	55.0	50.4	63.6
1997	47.8	53.0	63.4	60.8	68.8	75.7	81.8	80.5	76.6	64.8	51.9	45.6	64.2
1998	49.4	51.2	55.2	63.2	75.1	82.5	83.6	81.9	79.2	68.5	59.9	53.9	67.0
1999	51.5	53.5	55.1	68.2	70.8	78.3	82.0	83.9	74.6	65.5	56.5	48.8	65.7
2000	48.6	53.8	60.5	61.4	76.1	79.4	84.3	82.6	74.9	66.2	54.2	40.8	65.2
2001	43.6	54.7	53.2	65.8	72.0	76.9	81.1	80.0	73.4	62.5	60.3	51.5	64.6
2002	48.8	47.0	57.6	68.6	72.4	78.8	81.8	81.4	79.5	69.8	53.3	46.6	65.5
2003	42.0	50.3	59.6	65.3	73.7	77.9	80.2	81.1	75.1	65.4	59.7	45.1	64.6
2004	45.9	47.7	61.7	64.2	75.8	80.5	84.1	81.2	78.0	73.0	61.7	49.3	66.9
2005	51.6	53.8	55.4	62.7	70.1	78.8	81.9	81.6	79.7	65.2	57.7	46.0	65.4
2006	53.4	48.4	58.5	68.6	72.1	79.8	83.4	84.0	75.1	64.4	54.8	51.2	66.1
2007	48.8	48.9	62.9	63.2	72.2	82.0	81.8	87.0	78.3	68.9	55.6	53.1	66.9
2008	45.0	51.8	57.4	65.2	72.9	81.1	82.1	80.6	77.3	64.3	53.8	53.3	65.4
2009	48.6	51.0	59.9	64.4	73.8	81.6	80.2	80.3	77.0	65.5	53.8	46.3	65.2
2010	41.8	42.6	52.8	65.2	75.1	82.6	84.7	85.1	80.2	66.8	57.1	43.1	64.8
2011	43.0	52.5	61.0	67.9	71.6	83.3	83.5	84.4	75.3	63.5	58.1	52.4	66.4
2012	52.7	55.3	66.8	67.9	75.4	79.1	84.6	81.7	75.9	65.5	54.0	54.1	67.8
POR= 65 YRS	47.1	50.7	57.5	64.9	72.7	79.3	81.9	81.5	76.5	65.8	55.8	49.0	65.2

**HEATING DEGREE DAYS (base 65°F) 2012 MONTGOMERY (KMGM)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84	0	0	8	41	273	605	675	412	267	111	20	0	2412
1984-85	0	0	4	16	318	219	735	436	120	65	0	0	1913
1985-86	0	0	5	26	103	656	607	332	238	86	1	0	2054
1986-87	0	1	0	75	152	534	599	410	249	136	0	0	2156
1987-88	0	0	0	173	246	391	647	503	283	70	1	0	2314
1988-89	0	0	0	126	197	510	375	413	217	146	20	0	2004
1989-90	0	0	13	111	301	729	430	259	177	119	12	0	2151
1990-91	0	0	6	92	229	365	520	322	224	29	0	0	1787
1991-92	0	0	1	62	387	447	588	324	260	126	25	0	2220
1992-93	0	0	1	58	323	474	421	453	339	141	8	0	2218
1993-94	0	0	2	106	347	554	660	332	221	60	0	0	2282
1994-95	0	0	0	53	138	375	503	362	146	55	8	0	1640
1995-96	0	0	5	84	431	584	613	469	381	158	6	0	2731
1996-97	0	0	2	95	313	454	535	334	96	142	17	0	1988
1997-98	0	0	0	117	387	593	480	380	312	101	1	0	2371
1998-99	0	0	0	42	171	359	425	328	298	53	6	0	1682
1999-00	0	0	4	93	247	495	507	325	148	125	0	0	1944
2000-01	0	0	4	73	361	745	659	291	363	73	1	0	2570
2001-02	0	0	13	140	163	413	506	495	271	38	23	0	2062
2002-03	0	0	0	38	362	564	704	410	186	71	2	0	2337
2003-04	0	0	6	53	204	610	592	496	139	88	11	0	2199
2004-05	0	0	0	8	149	488	412	318	299	95	22	0	1791
2005-06	0	0	0	121	246	589	363	459	228	31	13	0	2050
2006-07	0	0	3	118	310	418	494	445	130	114	1	0	2033
2007-08	0	0	0	58	280	368	613	385	246	83	3	0	2036
2008-09	0	0	0	121	339	374	505	390	176	85	2	0	1992
2009-10	0	0	3	106	330	574	713	620	373	44	1	0	2764
2010-11	0	0	0	48	247	673	673	358	159	45	33	0	2236
2011-12	0	0	3	106	235	385	378	290	66	36	0	0	1499
2012-	0	0	0	67	324	336							

WBAN : 13895

**COOLING DEGREE DAYS (base 65°F) 2012 MONTGOMERY (KMGM)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1983	0	0	8	14	183	326	532	561	293	121	19	8	2065
1984	0	0	21	82	204	425	476	442	305	284	10	20	2269
1985	4	1	45	125	260	435	497	489	309	186	78	0	2429
1986	0	3	16	66	265	489	603	483	428	138	69	1	2561
1987	0	0	8	65	311	419	545	586	344	15	28	21	2342
1988	3	5	22	59	170	420	477	530	373	34	23	0	2116
1989	5	18	47	94	226	397	491	517	342	98	10	0	2245
1990	3	13	22	67	211	464	531	619	419	157	12	11	2529
1991	0	4	33	130	340	407	539	508	355	119	15	18	2468
1992	0	5	10	60	169	351	517	422	354	42	8	3	1941
1993	0	2	16	15	215	468	615	548	377	119	34	0	2409
1994	0	18	26	146	227	464	479	489	332	108	29	4	2322
1995	0	8	60	90	355	397	561	570	340	111	4	1	2497
1996	0	17	12	54	293	385	493	446	276	73	22	8	2079
1997	6	7	55	23	142	326	527	488	355	119	3	0	2051
1998	1	0	21	53	322	531	582	530	433	156	24	23	2676
1999	11	12	0	155	192	404	534	592	299	116	0	0	2315
2000	8	9	13	25	351	439	604	552	307	116	47	0	2471
2001	0	12	4	103	225	364	502	473	275	70	27	0	2055
2002	10	0	52	155	256	421	529	518	439	193	17	0	2590
2003	0	5	28	84	278	390	480	507	315	70	53	0	2210
2004	6	0	43	71	351	474	597	509	396	262	56	6	2771
2005	3	11	7	32	188	418	531	519	446	135	35	6	2331
2006	12	0	32	146	240	452	575	595	313	105	10	0	2480
2007	0	0	72	69	231	515	528	688	407	189	5	7	2711
2008	0	9	18	98	257	490	538	492	375	104	13	21	2415
2009	5	4	23	75	282	505	481	481	370	127	0	0	2353
2010	0	0	1	56	326	537	617	630	460	110	15	0	2752
2011	0	13	44	139	241	556	579	608	318	66	38	4	2606
2012	1	13	129	128	329	430	613	523	334	90	4	4	2598

**SNOWFALL (inches) 2012 MONTGOMERY (KMGM)**

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	6.0	0.0	0.0	0.0	0.0	0.0	6.0
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	T	0.0	0.0	0.0	0.0	T
1979-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T
1980-81	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T
1981-82	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3
1982-83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T
1983-84	0.0	0.0	0.0	0.0	0.0	T	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1986-87	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.8	0.0	0.0	0.8
1987-88	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
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	0.0	0.0	0.0	T
1990-91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	T
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	3.8	0.0	0.0	0.0	3.8
1993-94	0.0	0.0	0.0	T	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	T	0.0	T
1995-96	0.0		0.0	0.0	0.0	0.0			T	0.0	0.0		
1996-97													
1997-98													
1998-99													
1999-00													
2000-01													
2001-02													
2002-03													
2003-04													
2004-05													
2005-													
POR= 48 YRS	0.0	0.0	0.0	T	0.0	T	0.2	0.1	0.1	T	T	0.0	0.4

WBAN : 13895

**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: <a href="http://www.ncdc.noaa.gov/homr/">http://www.ncdc.noaa.gov/homr/</a> SNOWFALL STOPPED MONTH &amp; YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p><b>NOTE:</b></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"> <li>1) A small number of stations did not correctly show number of days with thunderstorms and heavy fog.</li> <li>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: <a href="http://www1.ncdc.noaa.gov/pub/data/normals/1981-2010/status.txt">http://www1.ncdc.noaa.gov/pub/data/normals/1981-2010/status.txt</a>.</li> </ol>
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# 2012

## MONTGOMERY

### ALABAMA (KMGM)

Montgomery is located in a gently rolling area of Alabama with no local topographic features which appreciably influence weather and climate. The National Weather Service Office is on the north side of Dannelly Field which is located about 6 airline miles south-southwest of the downtown bend in the Alabama River. Surrounding terrain is rather level with long gentle slopes toward the northeast and east.

During the months of June through September, inclusive, temperature and humidity conditions generally show little change from day to day. During the coldest months, December, January, and February, there are frequent shifts between mild and moist air from the Gulf of Mexico and dry, cool continental air.

From late June through the first half of August, nearly all precipitation is from local, mostly afternoon, thunderstorms, and there are apt to be considerable differences in day-to-day amounts of rainfall in different parts of the Montgomery area. In late August and in September, summer conditions of temperature and humidity persist as air continues to drift in from the Gulf, but local thunderstorms become less frequent because of the shortening of the days and the decrease in heat received from the sun. As this late summer season progresses, the local thunderstorms give way to thunderstorms which occur with cold fronts and occasional general rains associated with storms on the Gulf.

All types and intensities of rain, except the local thunderstorms of summer, may occur at any time from December through March or early April. Floods in the rivers are correspondingly most frequent during this period.

Most rain from late April through early June is in the form of showers or thunderstorms occurring in advance of approaching cool fronts, which become weaker and less frequent as summer approaches. It is during this spring season, and during the late summer and early autumn, that droughts sometimes occur.

Snow in Montgomery is important only as a curiosity.

# Station History

MONTGOMERY, AL

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
MONTGOMERY	1937-01-01	1943-12-31	32° 24'	-86° 13'			AIRWAYS
MONTGOMERY DANNELLY FIELD	1944-01-01	1948-06-01	32° 18'	-86° 24'			AIRWAYS,UPPERAIR
MONTGOMERY DANNELLY FIELD	1974-11-30	1981-12-31	32° 18'	-86° 24'	192		COOP,WXSVC
MONTGOMERY AP	2006-08-01	Present	32° 17'	-86° 24'	202		AIRSAMPLE,ASOS,COOP
MONTGOMERY DANNELLY FIELD	1981-12-31	1982-01-01	32° 18'	-86° 24'	192		COOP
MONTGOMERY DANNELLY FIELD	1982-01-01	1995-07-01	32° 18'	-86° 24'	221		COOP
MONTGOMERY DANNELLY FIELD	1995-07-01	2006-08-01	32° 17'	-86° 24'	202	.6 MI W	ASOS,COOP
MONTGOMERY DANNELLY FIELD	1948-06-01	1959-01-01	32° 18'	-86° 24'	200		AIRWAYS,COOP,UPPERAIR
MONTGOMERY DANNELLY FIELD	1959-01-01	1969-01-01	32° 18'	-86° 24'	192		AIRWAYS,COOP,UPPERAIR
MONTGOMERY DANNELLY FIELD	1969-01-01	1974-11-30	32° 18'	-86° 24'	192		COOP,UPPERAIR,WXSVC

# Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	2006-08-01	Present	DAILY	2400	HYGR		
PRECIP	1944-01-01	1977-03-01	DAILY	2400	UNIV	RCRD	
TEMP	1977-03-01	1995-07-01	DAILY	2400	HYGR		
PRECIP	2006-08-01	Present	DAILY	2400	PCPNX		
PRECIP	1995-07-01	2006-08-01	HOURLY	2400	TB	RCRD	
TEMP	1944-01-01	1977-03-01	DAILY	2400	HYGR		
PRECIP	1977-03-01	1995-07-01	HOURLY	2400	UNIV	RCRD	
PRECIP	1977-03-01	1995-07-01	DAILY	2400	UNIV	RCRD	
TEMP	1995-07-01	2006-08-01	DAILY	2400	HYGR		
PRECIP	1995-07-01	2006-08-01	DAILY	2400	TB	RCRD	
PRECIP	2006-08-01	Present	HOURLY	2400	AWPAG	RCRD;HTD	

\* 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

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : [ncdc.orders@noaa.gov](mailto:ncdc.orders@noaa.gov)

NOAA/National Climatic Data Center

Attn: User Engagement & Services Branch

151 Patton Avenue

Asheville, NC 28801-5001

Visit our Web Site for other weather data: [www.ncdc.noaa.gov](http://www.ncdc.noaa.gov)