

2005

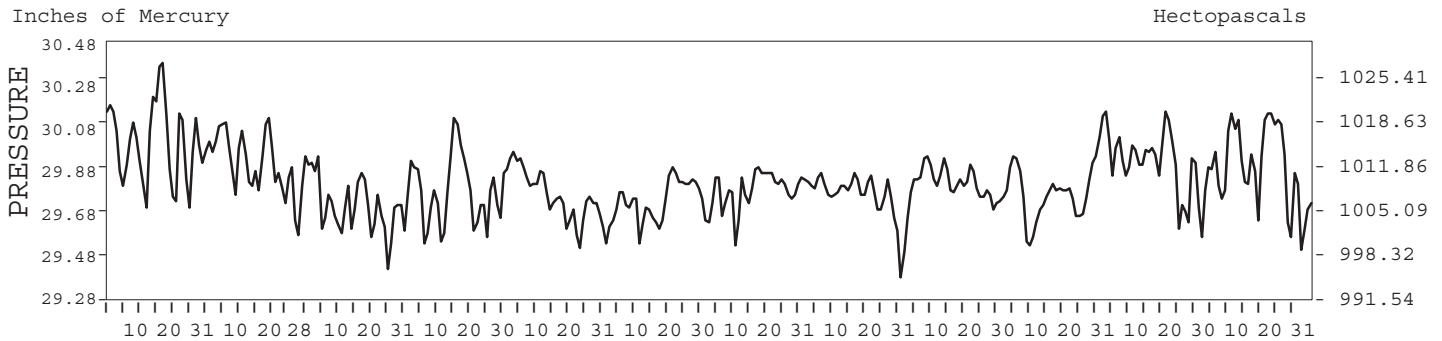
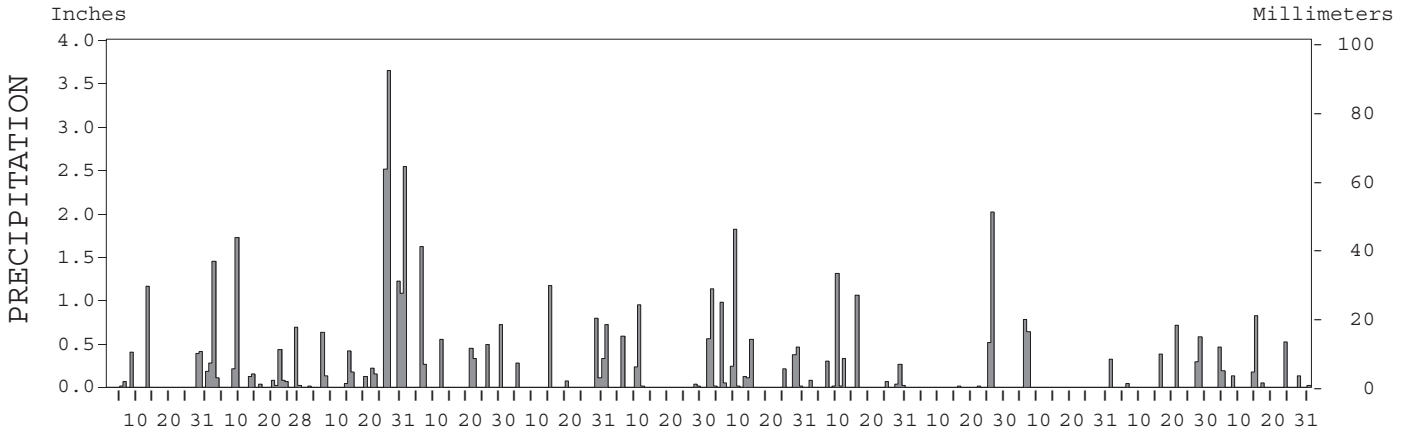
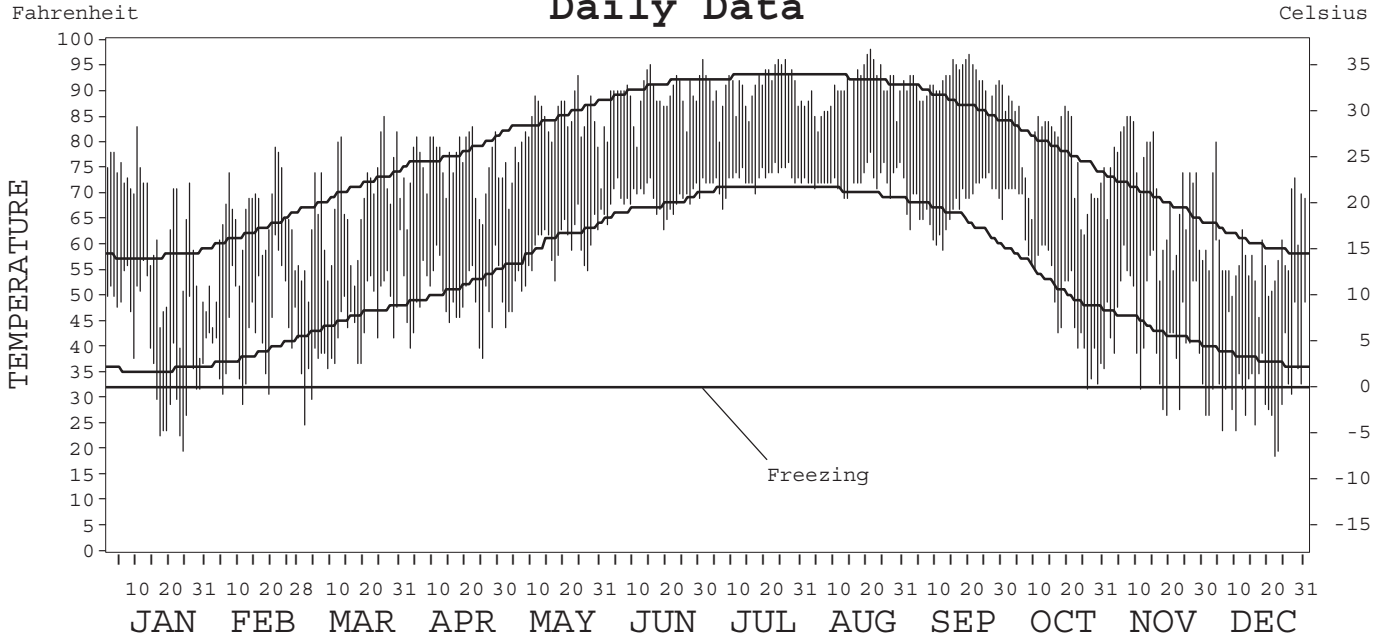
LOCAL CLIMATOLOGICAL DATA  
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0197-9523

MONTGOMERY,  
ALABAMA (MGM)

Daily Data



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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 2005

## MONTGOMERY, AL (MGM)

LATITUDE: 32° 18' 02" N      LONGITUDE: 86° 23' 39" W      ELEVATION (FT): GRND: 227      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	63.3	63.8	67.3	75.5	82.4	88.7	91.0	90.6	91.9	77.9	71.4	59.0	76.9	
	HIGHEST DAILY MAXIMUM	83	79	85	83	93	95	96	98	97	89	85	80	98	
	DATE OF OCCURRENCE	10	21	26	22	24	15	26+	21	20	02	08+	04	AUG 21	
	MEAN DAILY MINIMUM	39.9	43.7	43.5	49.9	57.8	68.8	72.8	72.5	67.4	52.4	44.0	33.0	53.8	
	LOWEST DAILY MINIMUM	20	29	25	38	44	63	67	69	59	32	27	19	19	
	DATE OF OCCURRENCE	24	11	02	25	02	19	07	27+	12	26	19	22	DEC 22	
	AVERAGE DRY BULB	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	
	MEAN WET BULB	46.2	48.7	49.5	55.5	62.5	71.4	75.0	74.7	70.3	58.3		41.4		
	MEAN DEW POINT	39.6	42.7	42.5	49.2	57.0	67.8	72.8	72.3	66.2	53.2		34.9		
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	2	15	22	21	25	0	0	0	0	85
	MAXIMUM ≤ 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINIMUM ≤ 32°	11	3	2	0	0	0	0	0	0	1	4	17	38	
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	412	318	299	95	22	0	0	0	121	246	589	2102		
	COOLING DEGREE DAYS	3	11	7	32	188	418	531	519	446	135	6	2331		
RH	MEAN (PERCENT)	68	69	64	66	66	72	80	80	70	70	66	68	70	
	HOUR 00 LST	75	76	75	80	81	85	91	91	87	84	79	79	82	
	HOUR 06 LST	80	81	81	89	85	87	92	91	89	90	84	84	86	
	HOUR 12 LST	55	58	50	47	46	56	64	61	47	48	45	50	52	
	HOUR 18 LST	60	63	53	53	54	61	74	73	60	63	57	59	61	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	5	1	2	2	0	3	1	3	5	7	5	0	34	
	THUNDERSTORMS	0	2	7	7	3	3	11	9	1	0	1	2	46	
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.)	30.02	29.92	29.73	29.77	29.77	29.74	29.79	29.76	29.82	29.81	29.89	29.90	29.83	
	MEAN SEA-LEVEL PRESS. (IN.)	30.23	30.13	29.94	29.99	29.98	29.94	30.00		30.03	30.02		30.11		
WINDS	RESULTANT SPEED (MPH)	0.6	0.3	0.9	2.1	1.0	1.2		0.9	2.0	2.6	0.5	1.5		
	RES. DIR. (TENS OF DEGS.)	04	02	28	24	05	03		10	08	01	19	28		
	MEAN SPEED (MPH)	6.8	7.2	6.9	6.9	4.8	4.2	4.8	5.0	5.6	5.8	6.4	6.7	5.9	
	PREVAIL. DIR. (TENS OF DEGS.)	01	11	10	29	04	10	22	10	10	32	11	32	10	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	31	29	32	40	29	28	39	36	31	25	25	30	40	
	DIR. (TENS OF DEGS.)	33	08	29	20	27	09	09	15	19	32	29	13	20	
	DATE OF OCCURRENCE	22	27	07	30	29	11	10	29	25	24	28+	15	APR 30	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	39	35	44	52	45	35	48	45	40	31	31	38	52	
DIR. (TENS OF DEGS.)	33	09	30	20	26	08	09	16	20	31	29	14	20		
DATE OF OCCURRENCE	22	27	07	30	29	11	10	29	25	24	28+	15	APR 30		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	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	
	GREATEST 24-HOUR (IN.)	1.16	1.81	6.15	2.54	1.17	0.95	1.82	1.31	2.49	0.78	0.71	0.99	6.15	
	DATE OF OCCURRENCE	13	08-09	26-27	01	15	11	10	10	25-26	06	21	14-15	MAR 26-27	
	NUMBER OF DAYS WITH:														
PRECIPITATION ≥ 0.01	7	15	13	8	6	7	15	11	4	2	6	9	103		
PRECIPITATION ≥ 0.10	5	9	11	8	5	4	11	5	2	2	5	7	74		
PRECIPITATION ≥ 1.00	1	2	4	2	1	0	2	2	1	0	0	0	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, AL (MGM)

LATITUDE: 32° 18' 02" N      LONGITUDE: 86° 23' 39" W      ELEVATION (FT): GRND: 227      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	57.6	62.4	70.5	77.5	84.6	90.6	92.7	92.2	87.7	78.7	68.7	60.3	77.0
	MEAN DAILY MAXIMUM	58	57.4	61.8	68.8	77.0	84.1	89.8	91.9	91.6	87.1	78.3	68.1	59.9	76.3
	HIGHEST DAILY MAXIMUM	61	83	85	89	91	98	105	105	104	101	100	87	85	105
	YEAR OF OCCURRENCE		2005	1962	1995	1988	1953	1954	1952	1983	1980	1954	2004	1982	JUN 1954
	MEAN OF EXTREME MAXS.	58	74.7	77.7	83.3	87.0	92.1	96.6	97.7	97.2	95.1	88.8	82.3	76.8	87.4
	NORMAL DAILY MINIMUM	30	35.5	38.6	45.4	51.2	60.1	67.3	70.9	70.1	64.9	52.2	43.5	37.6	53.1
	MEAN DAILY MINIMUM	58	36.3	39.7	45.6	52.7	61.0	68.5	71.6	70.9	65.9	53.7	43.7	37.8	54.0
	LOWEST DAILY MINIMUM	61	0	10	17	28	40	49	59	56	39	26	13	5	0
	YEAR OF OCCURRENCE		1985	1996	1993	1987	1971	1984	1947	1992	1967	1952	1950	1983	JAN 1985
	MEAN OF EXTREME MINS.	58	18.6	23.1	29.1	37.3	47.6	58.4	66.3	64.0	53.0	37.3	27.2	21.1	40.3
	NORMAL DRY BULB	30	46.6	50.5	57.9	64.3	72.3	78.9	81.8	81.2	76.3	65.4	56.1	49.0	65.0
	MEAN DRY BULB	58	46.9	50.8	57.3	64.8	72.7	79.1	81.7	81.3	76.5	65.9	55.9	48.7	65.1
	MEAN WET BULB	21	42.7	46.4	51.4	57.4	65.7	71.4	74.3	70.1	65.8	59.5	51.7	44.2	58.4
	MEAN DEW POINT	21	36.9	40.2	44.8	51.8	61.5	68.0	71.6	67.3	62.5	55.4	46.8	39.0	53.8
NORMAL NO. DAYS WITH:															
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.3	4.0	17.0	23.0	22.4	12.6	1.4	0.0	0.0	80.7	
MAXIMUM ≤ 32°	30	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	
MINIMUM ≤ 32°	30	13.1	7.9	2.2	0.1	0.0	0.0	0.0	0.0	0.0	0.2	4.1	10.1	37.7	
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	568	415	250	98	9	0	0	0	3	84	278	489	2194
	NORMAL COOLING DEG. DAYS	30	2	4	24	73	225	415	519	502	350	106	23	9	2252
RH	NORMAL (PERCENT)	30	71	67	66	67	71	72	76	75	74	72	72	72	71
	HOUR 00 LST	30	77	75	75	79	84	85	88	88	86	85	82	79	82
	HOUR 06 LST	30	82	82	83	86	88	88	91	92	90	89	87	84	87
	HOUR 12 LST	30	60	55	53	51	54	55	59	57	56	52	55	59	56
	HOUR 18 LST	30	65	58	55	54	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	49	58
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	61	3.3	2.0	1.6	1.3	1.2	1.0	1.0	1.0	1.7	2.5	3.1	3.2	22.9
	THUNDERSTORMS	61	1.8	2.3	4.6	4.9	6.0	8.6	11.2	8.3	3.9	1.4	2.0	1.6	56.6
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	1		5.6		2.4	3.2							6.4	
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH:														
CLEAR	1	2.0	3.0	10.0		12.0	9.0								
PARTLY CLOUDY	1		2.0			6.0	6.0								
CLOUDY	1	5.0	2.0	9.0		1.0	4.0								
PR	MEAN STATION PRESSURE (IN)	32	29.94	29.90	29.83	29.81	29.78	29.79	29.82	29.82	29.82	29.88	29.91	29.94	29.85
	MEAN SEA-LEVEL PRES. (IN)	21	30.15	30.13	30.06	30.03	30.00	30.00	30.04	30.02	30.03	30.10	30.12	30.17	30.07
WINDS	MEAN SPEED (MPH)	53	7.7	8.1	8.4	7.3	6.0	5.8	5.6	5.2	6.0	5.8	6.5	7.2	6.6
	PREVAIL. DIR (TENS OF DEGS)	37	31	32	30	18	18	10	22	10	09	09	31	31	10
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	10	32	37	46	40	33	43	39	44	46	28	40	35	46
	DIR. (TENS OF DEGS)		30	08	28	20	02	31	09	10	13	13	31	30	13
	YEAR OF OCCURRENCE		2002	1998	1999	2005	1996	1998	2005	2000	2004	2001	2004	2000	SEP 2004
MAXIMUM 5-SECOND:															
SPEED (MPH)	10	43	60	55	52	45	55	49	60	64	32	52	44	64	
DIR. (TENS OF DEGS)		28	02	28	20	26	31	25	09	10	30	32	28	10	
YEAR OF OCCURRENCE		2000	2004	1999	2005	2005	1998	2004	2000	2004	2001	2004	2000	SEP 2004	
PRECIPITATION	NORMAL (IN)	30	5.04	5.45	6.39	4.38	4.14	4.13	5.31	3.63	4.22	2.58	4.53	4.97	54.77
	MAXIMUM MONTHLY (IN)	61	10.16	13.38	12.40	15.64	12.01	14.44	9.99	10.43	10.62	9.06	21.32	11.35	21.32
	YEAR OF OCCURRENCE		1990	1961	1990	1964	1978	1989	1988	1984	1953	1959	1948	1961	NOV 1948
	MINIMUM MONTHLY (IN)	61	0.72	1.11	0.88	0.52	0.68	0.33	1.58	0.73	0.03	0.01	0.32	1.36	0.01
	YEAR OF OCCURRENCE		1954	1999	2004	1986	1995	1979	1952	1997	1995	1978	1949	1955	OCT 1978
	MAXIMUM IN 24 HOURS (IN)	61	4.73	5.95	8.62	4.59	6.36	6.99	4.52	5.68	8.81	4.25	8.17	4.89	8.81
	YEAR OF OCCURRENCE		1965	1982	1990	1957	1978	1946	1970	1984	1953	1964	1948	1992	SEP 1953
	NORMAL NO. DAYS WITH:														
PRECIPITATION ≥ 0.01	30	10.9	8.8	9.7	8.0	8.6	9.5	12.0	8.6	7.9	5.9	8.4	9.8	108.1	
PRECIPITATION ≥ 1.00	30	1.4	2.0	2.1	1.5	1.4	1.1	1.7	1.2	1.3	0.8	1.6	1.6	17.7	
SNOWFALL	NORMAL (IN)	30	0.2	0.1	0.2	0.*	0.0	0.0	0.0	0.0	0.0	0.*	0.0	0.*	0.5
	MAXIMUM MONTHLY (IN)	51	6.0	3.1	3.8	0.8	T	0.0	0.0	0.0	0.0	T	T	1.0	6.0
	YEAR OF OCCURRENCE		1977	1973	1993	1987	1995					1993	1971	1993	JAN 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	1.0	3.8
	YEAR OF OCCURRENCE		1977	1973	1993	1987	1995					1993	1971	1993	MAR 1993
	MAXIMUM SNOW DEPTH (IN)	48	3	2	4	1	0	0	0	0	0	0	0	1	4
	YEAR OF OCCURRENCE		1977	1973	1993	1987								1993	MAR 1993
NORMAL NO. DAYS WITH:															
SNOWFALL ≥ 1.0	30	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	

PRECIPITATION (inches) 2005 MONTGOMERY, AL (MGM)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1976	3.03	1.75	9.41	1.65	6.78	2.74	3.03	2.21	2.79	1.78	5.32	4.94	45.43
1977	4.87	3.19	7.16	1.53	1.62	1.82	6.62	3.55	5.64	2.60	2.78	3.10	44.48
1978	6.95	2.29	2.61	4.57	12.01	3.87	4.02	3.52	2.18	0.01	3.09	4.24	49.36
1979	5.74	7.73	4.23	10.15	5.35	0.33	5.16	1.54	5.25	0.60	4.10	2.84	53.02
1980	4.06	3.30	10.29	5.47	7.50	2.49	3.25	1.02	3.13	3.10	2.07	1.39	47.07
1981	1.23	6.89	5.95	4.95	3.75	3.06	4.10	4.12	2.04	2.99	0.51	8.50	48.09
1982	4.73	9.87	3.81	8.97	2.87	4.81	7.21	3.17	1.96	1.93	7.71	8.80	65.84
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	0.62	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
POR= 133 YRS	4.71	5.18	6.23	4.60	3.73	4.07	4.93	3.78	3.63	2.40	3.54	4.76	51.56

WBAN : 13895

AVERAGE TEMPERATURE (°F) 2005 MONTGOMERY, AL (MGM)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1976	43.5	54.9	59.2	63.7	66.2	77.0	80.3	78.8	74.3	59.7	48.0	43.5	62.4
1977	36.0	46.8	58.7	66.8	74.7	82.6	83.6	81.6	79.4	64.0	60.3	49.5	65.3
1978	40.5	43.2	54.4	65.7	72.4	80.0	82.4	80.8	79.1	65.3	61.9	51.4	64.8
1979	42.8	48.1	59.0	66.0	71.4	76.3	80.3	80.0	76.0	64.9	55.6	49.7	64.2
1980	51.2	47.9	56.4	63.3	72.1	79.1	83.6	83.3	80.8	61.4	54.4	48.0	65.1
1981	42.9	49.7	54.0	68.4	70.6	83.3	83.5	81.2	75.4	65.7	59.6	46.6	65.1
1982	44.3	49.2	61.7	64.8	74.4	79.3	81.9	81.7	76.2	68.2	59.5	56.6	66.5
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
POR= 133 YRS	48.1	51.0	57.8	65.1	72.9	79.6	81.6	81.0	76.7	66.4	55.9	49.3	65.5

HEATING DEGREE DAYS (base 65°F) 2005 MONTGOMERY, AL (MGM)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1976-77	0	0	0	180	502	657	894	501	216	53	0	0	3003
1977-78	0	0	0	87	164	479	756	601	326	50	2	0	2465
1978-79	0	0	0	72	109	431	681	465	194	39	9	0	2000
1979-80	0	0	0	76	282	466	420	499	274	84	2	0	2103
1980-81	0	0	3	144	313	523	682	421	341	24	7	0	2458
1981-82	0	0	3	63	195	562	637	436	180	76	0	0	2152
1982-83	0	0	5	62	192	301	632	442	339	160	7	0	2140
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-	0	0	0	121	246	589							

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COOLING DEGREE DAYS (base 65°F) 2005 MONTGOMERY, AL (MGM)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1976	0	3	23	34	75	367	482	436	287	23	0	0	1730
1977	0	0	27	113	308	533	585	523	442	63	29	7	2630
1978	1	0	6	78	239	458	547	498	430	87	24	20	2388
1979	0	2	13	77	214	346	482	474	337	79	8	1	2033
1980	0	9	15	43	231	429	582	577	486	40	3	4	2419
1981	0	0	5	135	187	556	584	508	321	90	39	2	2427
1982	1	0	85	76	298	437	530	527	349	170	36	50	2559
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

SNOWFALL (inches) 2005 MONTGOMERY, AL (MGM)

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= 51 YRS	0.0	0.0	0.0	T	T	0.0	0.2	0.1	0.1	0.0	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. 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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2005  
MONTGOMERY,  
ALABAMA (MGM)

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 LOCATION

MONTGOMERY, ALABAMA

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE										AUTOMATED OBSERVING EQUIPMENT *	* TYPE M = AMOS T = AUTOB S = ASOS W = AWOS  REMARKS
						SEA LEVEL		GROUND									
						GROUND	TEMPERATURE	WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET	RAIN GAUGE	WINDHANG	8 INCH RAIN GAUGE		
*NOTE: <u>AIRPORT</u> Dannelly Field Administration Building 6 mi. SW of P.O.	10/15/58	07/01/95	1/8 mi. NW	32°18'	86°24'	e183 g192		f23	26	26	%28	26		h26	26	d4 i4	d. Commissioned on site 2200 feet SSE of thermometer site 6/1/60; moved 2400 feet N 9/9/63; moved 1200 feet SE 5/7/68; moved 1800 feet SW to original site 7/2/74. e. 195 feet to 6/1/60; 192 feet to 9/9/63, and 194 feet to 5/7/68. f. 22 feet to 5/7/68; moved 1800 feet SW 6/19/74. g. Effective 9/2/74. h. Added 10/1/78. %. Commissioned 10/14/58. i. Type change 6/13/85.
Dannelly Field	07/01/95	Present	NA	32°18'	86°24'	j227										S	ASOS Commissioned 07/01/95 j. Ground elevation.

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