

2002

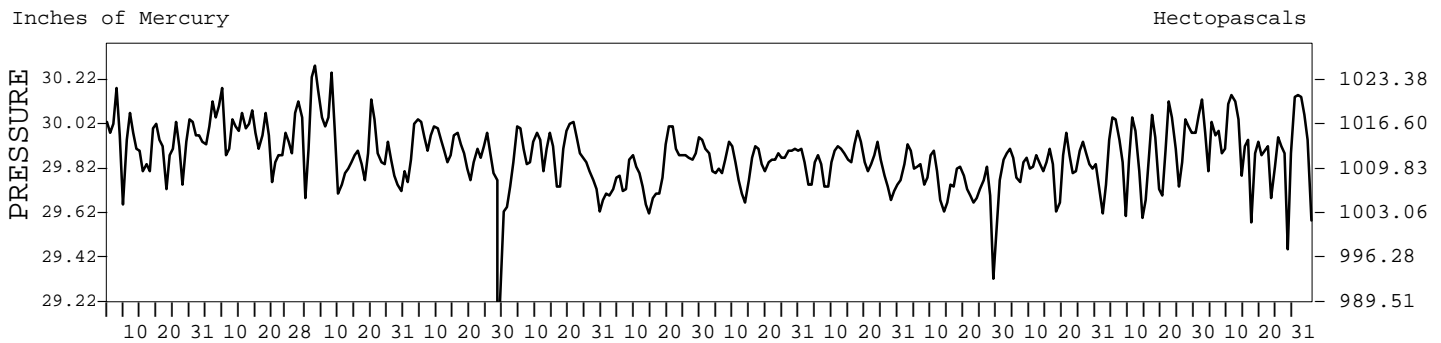
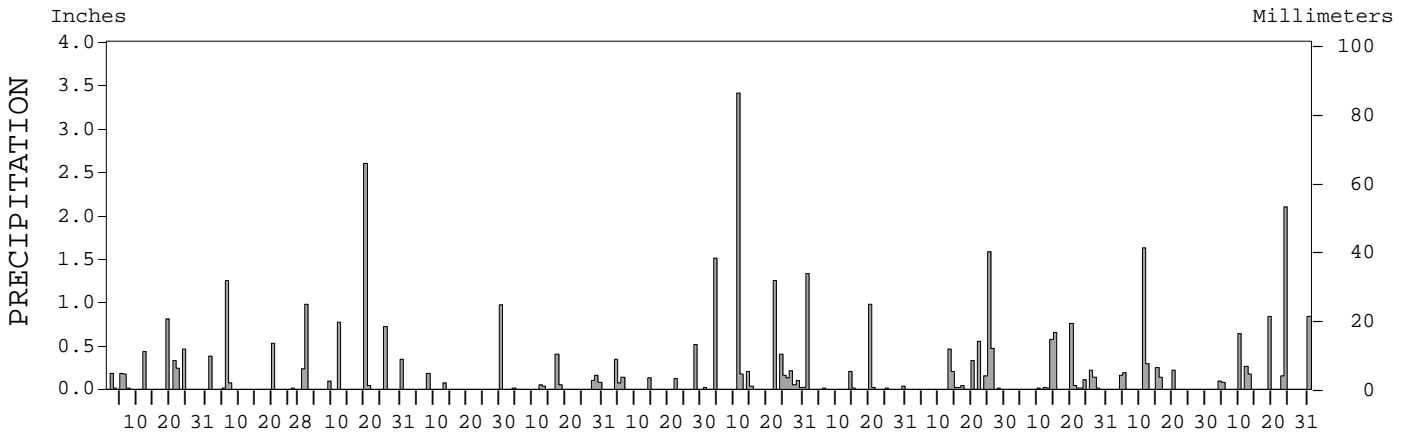
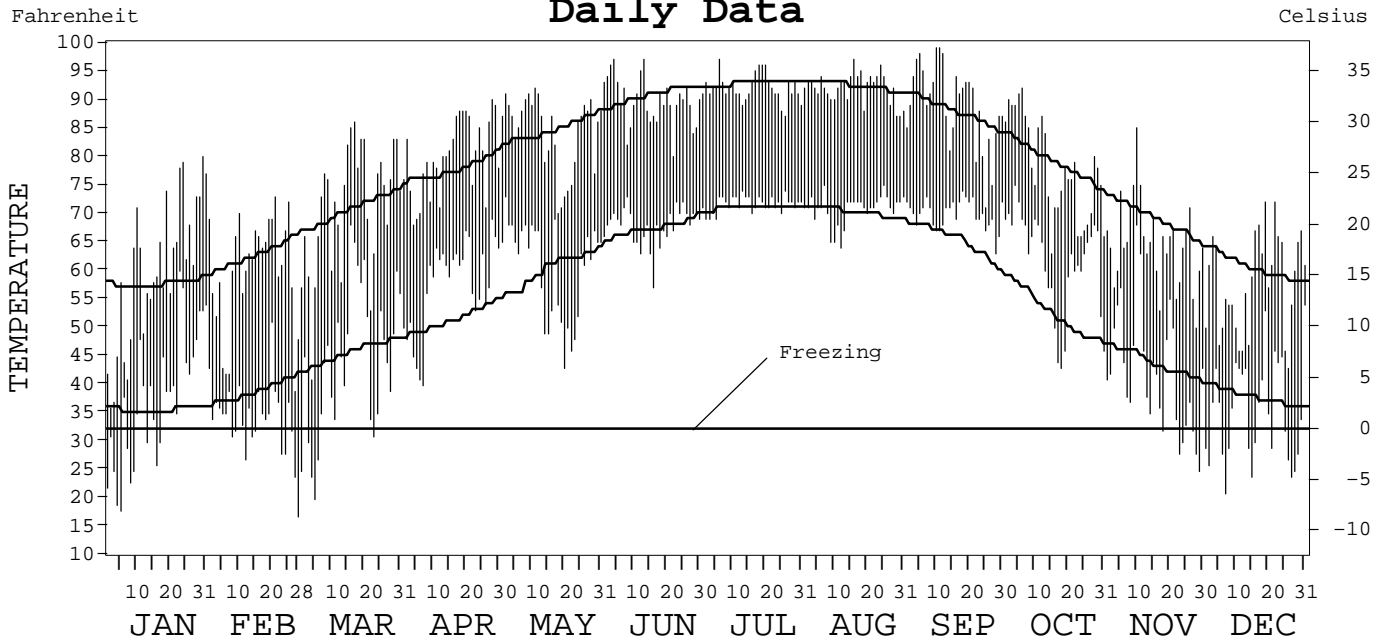
LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



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 2002

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	60.0	59.8	71.0	79.8	84.3	89.7	92.0	92.0	89.0	77.9	64.6	57.8	76.5	
	HIGHEST DAILY MAXIMUM	80	73	86	90	92	97	97	97	99	92	85	72	99	
	DATE OF OCCURRENCE	30	21	17	28	11	13+	06	16	11+	06	10	22+	SEP 11+	
	MEAN DAILY MINIMUM	37.6	34.2	44.2	57.4	60.4	67.8	71.6	70.8	69.9	61.6	41.9	35.3	54.4	
	LOWEST DAILY MINIMUM	18	17	20	40	43	57	69	64	63	43	25	21	17	
	DATE OF OCCURRENCE	05	28	05	07	20	16	05+	12	28	18	29	07	FEB 28	
	AVERAGE DRY BULB	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	
	MEAN WET BULB	45.8	42.4	51.6		65.4	71.2	74.7	74.0	73.1	66.7	49.9	43.6		
	MEAN DEW POINT	42.1	36.3	44.9		60.8	67.9	72.4	71.3	70.8	65.5	46.5	40.0		
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	1	6	15	27	26	15	3	0	0	0	93
	MAXIMUM ≤ 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINIMUM ≤ 32°	11	10	6	0	0	0	0	0	0	0	6	14	47	
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	506	495	271	38	23	0	0	0	0	38	362	564	2297	
	COOLING DEGREE DAYS	10	0	52	155	256	421	529	518	439	193	17	0	2590	
RH	MEAN (PERCENT)	78	70	67	70	70	74	79	77	81	90	81	81	76	
	HOUR 00 LST	86	79	78	81	84	89	92	90	92	98	92	90	88	
	HOUR 06 LST	92	87	86	88	89	92	94	93	96	99	95	93	92	
	HOUR 12 LST	66	58	53	55	53	56	59	58	64	77	63	65	61	
	HOUR 18 LST	69	57	57	58	58	62	73	67	75	88	77	75	68	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	5	0	3	3	1	1	3	2	0	1	2	2	23	
	THUNDERSTORMS	1	0	5	2	5	6	14	6	4	4	2	4	53	
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.)	29.93	29.98	29.92		29.85	29.81	29.84	29.83	29.75	29.82	29.90	29.91		
	MEAN SEA-LEVEL PRESS. (IN.)	30.14	30.20	30.13		30.06	30.01	30.05	30.04	29.95	30.03	30.12	30.13		
WINDS	RESULTANT SPEED (MPH)	1.1	2.5	0.6		1.5	2.2	0.5		2.2	1.6	2.2	0.3		
	RES. DIR. (TENS OF DEGS.)	25	32	22		03	09	22		10	09	30	24		
	MEAN SPEED (MPH)	6.1	7.2	7.1	6.2	6.0	5.2	3.0	3.1	5.3	4.7	6.3	6.8	5.6	
	PREVAIL. DIR. (TENS OF DEGS.)	20	32	20	10	21	10	28	11	10	10	32	28	10	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	32	31	26	24	25	37	35	29	28	21	25	29	37	
	DIR. (TENS OF DEGS.)	30	31	31	18	30	12	09	11	09	17	30	12	12	
	DATE OF OCCURRENCE	21	26	03	08	13	04	04	01	26+	29	06	31	JUN 04	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	40	38	32	30	32	45	48	39	38	26	32	36	48	
DIR. (TENS OF DEGS.)	30	29	34	19	32	10	09	11	09	18	22	30	09		
DATE OF OCCURRENCE	21	26	22	08	13	04	22	01	26	29	10+	25	JUL 22		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	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	
	GREATEST 24-HOUR (IN.)	0.81	1.27	2.64	0.97	0.45	0.51	3.41	1.33	1.68	1.20	1.82	2.25	3.41	
	DATE OF OCCURRENCE	19	06-07	20-21	30	17-18	28	11	01	24-25	14-15	11-12	23-24	JUL 11	
	NUMBER OF DAYS WITH:														
PRECIPITATION ≥ 0.01	10	6	8	3	8	6	15	8	11	13	7	9	104		
PRECIPITATION ≥ 0.10	8	3	6	2	3	5	10	3	7	6	7	7	67		
PRECIPITATION ≥ 1.00	0	1	1	0	0	0	3	1	1	0	1	1	9		
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	55	57.4	61.9	68.7	77.0	84.0	89.8	91.9	91.6	87.0	78.2	67.8	59.9	76.3
	HIGHEST DAILY MAXIMUM	58	83	85	89	91	98	105	105	104	101	100	87	85	105
	YEAR OF OCCURRENCE		1949	1962	1995	1988	1953	1954	1952	1983	1980	1954	1986	1982	JUN 1954
	MEAN OF EXTREME MAXS.	55	74.6	77.8	83.2	87.1	92.0	96.7	97.8	97.2	95.1	88.8	82.1	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	55	36.3	39.6	45.5	52.7	61.0	68.4	71.6	70.9	65.8	53.5	43.5	38.0	53.9
	LOWEST DAILY MINIMUM	58	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.	55	18.7	22.9	29.2	37.3	47.6	58.1	66.3	63.9	52.9	37.2	27.1	21.1	40.2
	NORMAL DRY BULB	30	46.1	49.8	57.2	64.7	71.9	78.7	81.3	80.6	76.5	65.8	56.6	49.5	64.9
	MEAN DRY BULB	55	46.9	50.8	57.2	64.8	72.6	79.1	81.7	81.3	76.4	65.8	55.7	48.8	65.1
	MEAN WET BULB	18	42.7	46.3	51.2	57.4	65.6	71.2	74.3	69.5	65.4	59.3	51.3	44.6	58.2
	MEAN DEW POINT	18	36.9	39.9	44.5	51.8	61.3	67.8	71.4	66.7	62.1	55.1	46.4	39.6	53.6
	NORMAL NO. DAYS WITH:														
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.2	3.9	16.7	21.6	20.8	12.3	1.4	0.0	0.0	76.9	
MAXIMUM ≤ 32°	30	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	
MINIMUM ≤ 32°	30	14.0	8.8	2.5	0.1	0.0	0.0	0.0	0.0	0.0	0.3	3.9	10.6	40.2	
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	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	70	66	66	67	71	72	76	76	74	71	72	71	71
	HOUR 00 LST	30	76	74	74	78	82	84	87	88	85	84	82	78	81
	HOUR 06 LST	30	81	80	82	86	88	88	90	91	89	89	87	82	86
	HOUR 12 LST	30	60	56	53	51	54	55	60	59	56	51	55	58	56
	HOUR 18 LST	30	64	58	55	55	59	60	66	67	67	64	66	66	62
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)	58	3.4	2.0	1.6	1.3	1.2	0.9	1.0	1.0	1.6	2.2	3.0	3.5	22.7
	THUNDERSTORMS	58	1.8	2.3	4.6	4.9	6.0	8.6	11.2	8.2	3.9	1.4	2.0	1.6	56.5
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)	29	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)	18	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)	50	7.7	8.1	8.4	7.3	6.0	5.8	5.6	5.2	5.9	5.8	6.5	7.2	6.6
	PREVAIL. DIR (TENS OF DEGS)	34	31	32	30	18	18	10	24	09	09	09	31	31	09
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	7	32	37	46	36	33	43	35	44	35	28	31	35	46
	DIR. (TENS OF DEGS)		30	08	28	11	02	31	09	10	07	13	17	30	28
	YEAR OF OCCURRENCE		2002	1998	1999	1997	1996	1998	2002	2000	2000	2001	2001	2000	MAR 1999
	MAXIMUM 5-SECOND:														
SPEED (MPH)	7	43	48	55	46	40	55	48	60	48	32	41	44	60	
DIR. (TENS OF DEGS)		28	16	28	28	01	31	09	09	09	30	16	28	09	
YEAR OF OCCURRENCE		2000	1998	1999	2000	1996	1998	2002	2000	1998	2001	2001	2000	AUG 2000	
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)	58	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)	58	0.72	1.11	1.75	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	1997	1986	1995	1979	1952	1997	1995	1978	1949	1955	OCT 1978
	MAXIMUM IN 24 HOURS (IN)	58	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	10.6	8.9	9.7	7.5	8.3	8.9	11.6	9.5	7.8	5.4	8.2	9.8	106.2	
PRECIPITATION ≥ 1.00	30	1.2	1.8	2.1	1.4	1.3	1.2	1.6	0.9	1.3	0.8	1.3	1.8	16.7	
SNOWFALL	NORMAL (IN)	30	0.2	0.1	0.2	0.*	0.0	0.0	0.0	0.0	0.*	0.0	0.*	0.5	
	MAXIMUM MONTHLY (IN)	51	6.0	3.1	3.8	0.8	T	0.0	0.0	0.0	T	T	T	1.0	
	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	T	T	T	1.0	
	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	
	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) 2002 MONTGOMERY, AL (MGM)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	3.78	4.62	9.84	7.74	3.97	5.37	7.87	2.73	4.07	0.46	4.31	3.70	58.46
1974	5.63	2.09	2.69	3.69	3.30	1.57	5.41	10.42	5.38	1.45	3.59	4.67	49.89
1975	6.75	7.80	7.26	6.63	4.39	4.76	7.58	4.18	8.56	6.42	4.01	4.64	72.98
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
POR= 130 YRS	4.75	5.17	6.25	4.55	3.73	4.04	4.89	3.78	3.60	2.40	3.50	4.78	51.44

WBAN : 13895

AVERAGE TEMPERATURE (°F) 2002 MONTGOMERY, AL (MGM)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	46.3	46.8	62.1	62.9	71.0	79.3	82.6	80.9	79.3	68.3	59.7	48.4	65.6
1974	58.2	49.9	62.0	63.6	73.6	75.6	80.5	78.4	72.6	62.0	54.8	50.5	65.1
1975	52.6	54.1	57.1	62.8	73.1	77.1	81.3	82.2	74.5	69.1	57.1	46.7	65.6
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
POR= 130 YRS	48.1	51.0	57.8	65.1	72.9	79.6	81.6	81.0	76.7	66.3	55.9	49.3	65.4

HEATING DEGREE DAYS (base 65°F) 2002 MONTGOMERY, AL (MGM)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1973-74	0	0	0	57	195	506	218	419	144	104	0	0	1643
1974-75	0	0	5	115	315	452	385	303	269	122	2	0	1968
1975-76	0	0	19	31	312	561	660	291	197	67	33	0	2171
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-	0	0	0	38	362	564							

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COOLING DEGREE DAYS (base 65°F) 2002 MONTGOMERY, AL (MGM)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	0	0	54	64	212	438	551	499	438	166	45	0	2467
1974	16	4	56	69	272	325	485	420	239	29	18	8	1941
1975	7	5	32	64	259	369	514	545	311	163	80	0	2349
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

SNOWFALL (inches) 2002 MONTGOMERY, AL (MGM)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1973-74	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T
1974-75	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T
1975-76	0.0	0.0	0.0	0.0	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	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-													
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

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REFERENCE NOTES:

<p>PAGE 1: THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3: H/C INDICATES HEATING AND COOLING DEGREE DAYS. RH INDICATES RELATIVE HUMIDITY W/O INDICATES WEATHER AND OBSTRUCTIONS S INDICATES SUNSHINE. PR INDICATES PRESSURE. CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL: T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE. + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES. BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA. NORMALS ARE 30-YEAR AVERAGES (1961 - 1990). ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET. THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.</p>	<p>GENERAL CONTINUED: CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED. WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH. RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION. AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2. SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL. A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65° F. DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR. DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY. WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.</p> <p>ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p>
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2002 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		ELEVATION ABOVE										AUTOMATIC OBSERVING EQUIPMENT *	* TYPE M = AMOS T = AUTOB S = ASOS W = AWOS REMARKS
				NORTH	WEST	GROUND											
						SEA LEVEL	WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING GAUGE	WINDHANG	8 INCH RAIN GAGE	HYGROMETER			
*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.