

1998

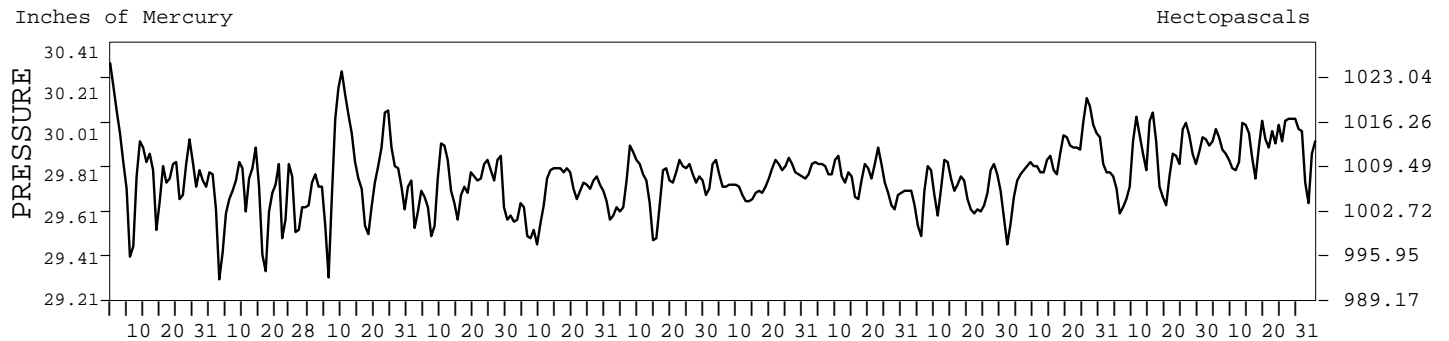
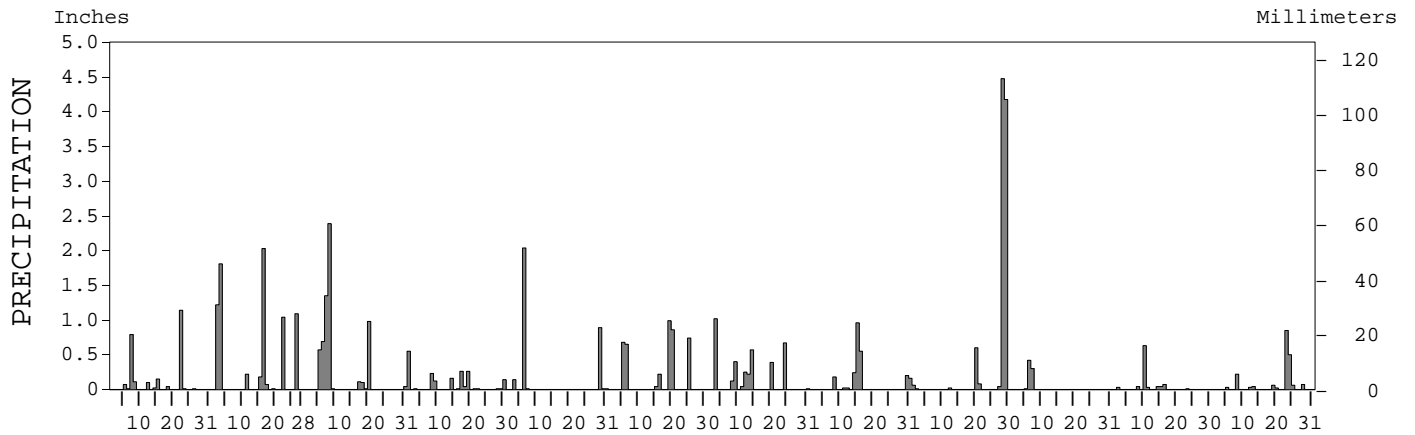
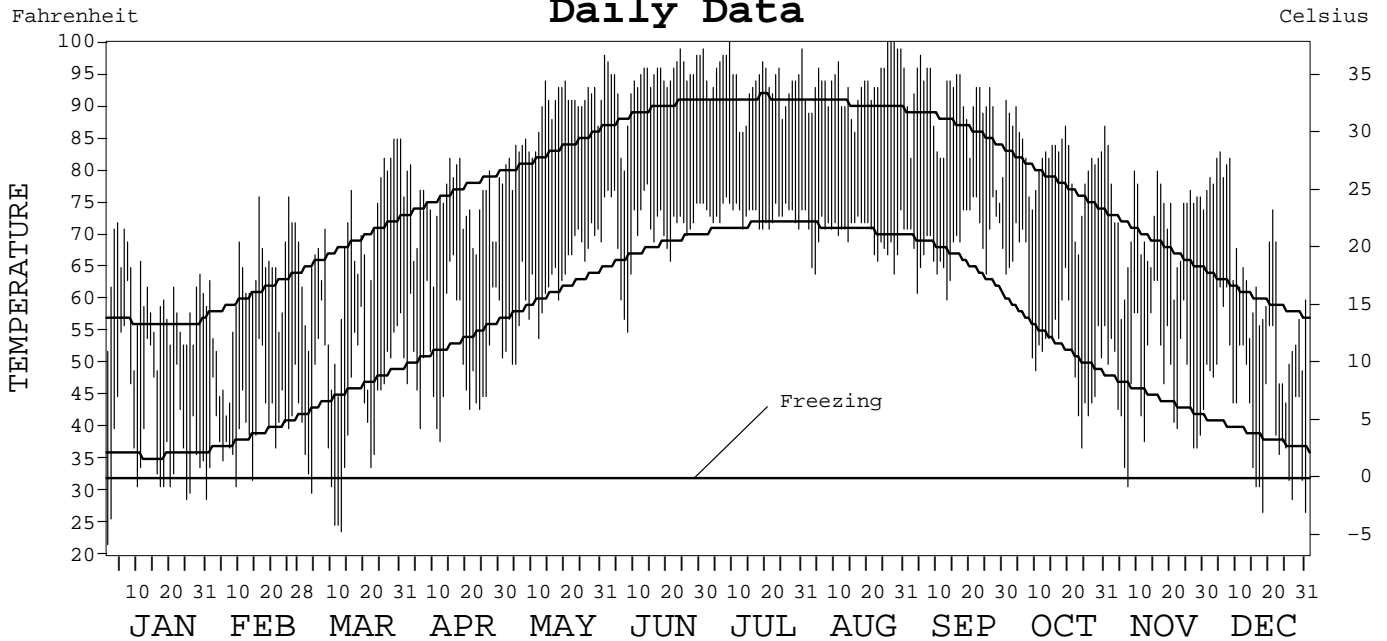
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0197-9531

MONTGOMERY,
ALABAMA (MGM)

Daily Data



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Thomas R. Karl

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	NATIONAL ENVIRONMENTAL AND INFORMATION SERVICE	NATIONAL SATELLITE, DATA, AND INFORMATION SERVICE	NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA	DIRECTOR NATIONAL CLIMATIC DATA CENTER
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METEOROLOGICAL DATA FOR 1998

MONTGOMERY, AL (MGM)

LATITUDE: 32° 18' 02" N LONGITUDE: 86° 23' 39" W ELEVATION (FT): GRND: 192 BARO: 210 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	59.6	61.3	66.8	74.7	87.8	94.1	93.9	93.7	89.3	81.6	71.8	63.8	78.2	
	HIGHEST DAILY MAXIMUM	72	76	85	82	94	99	100	100	98	91	84	83	100	
	DATE OF OCCURRENCE	04	25+	31+	18+	20+	24	09	28+	05	01	01	05	AUG 28+	
	MEAN DAILY MINIMUM	39.1	41.1	43.6	51.6	62.4	70.9	73.3	70.0	69.1	55.3	47.9	44.0	55.7	
	LOWEST DAILY MINIMUM	22	31	24	38	50	55	71	64	60	37	31	27	22	
	DATE OF OCCURRENCE	01	09	13	12	05+	08	30+	28+	13	24	07	31+	JAN 01	
	AVERAGE DRY BULB	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	
	MEAN WET BULB	45.9	46.5	49.8	57.7	68.3	74.2	76.1	72.8	70.9	61.5	55.3	49.7	60.7	
	MEAN DEW POINT	41.9	40.9	43.5	53.1	64.3	70.4	73.6	68.9	67.1	57.4	51.4	45.6	56.5	
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	17	27	27	27	19	2	0	0	0	119
	MAXIMUM ≤ 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINIMUM ≤ 32°	9	2	5	0	0	0	0	0	0	0	1	7	24	
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	480	380	312	101	1	0	0	0	0	42	171	359	1846	
	COOLING DEGREE DAYS	1	0	21	53	322	531	582	530	433	156	24	23	2676	
RH	MEAN (PERCENT)	78	70	68	72	72	71	77	71	71	74	77	77	73	
	HOUR 06 LST	90	86	85	90	92	88	92	90	87	92	92	89	89	
	HOUR 12 LST	67	58	56	57	51	53	59	51	55	51	59	63	57	
	HOUR 18 LST	70	63	59	62	60	57	68	60	64	68	70	72	64	
	HOUR 24 LST	86	74	77	82	87	85	90	85	83	89	88	85	84	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	5	1	2	0	3	0	0	1	1	6	7	7	33	
	THUNDERSTORMS	3	5	5	4	3	6	7	5	2	2	1	0	43	
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.)	29.85	29.68	29.84	29.76	29.71	29.77	29.80	29.80	29.72	29.91	29.90	29.97	29.81	
	MEAN SEA-LEVEL PRESS. (IN.)	30.06	29.90	30.06	29.97	29.92	29.98	30.00	30.01	29.93		30.11	30.18		
WINDS	RESULTANT SPEED (MPH)	0.8	1.3	0.6	1.5	1.4	0.3	0.8	0.5	4.3	1.7	1.0	1.2	0.5	
	RES. DIR. (TENS OF DEGS.)	08	33	33	25	26	12	35	07	09	04	04	03	04	
	MEAN SPEED (MPH)	6.8	9.5	8.6	7.2	4.8	6.0	5.1	4.5	7.6	4.4	4.7	6.5	6.3	
	PREVAIL. DIR. (TENS OF DEGS.)	09	32	10	18	22	23	29	10	10	11	10	10	10	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	28	37	28	25	29	43	26	40	34	21	24	25	43	
	DIR. (TENS OF DEGS.)	16	08	28	30	34	31	01	02	08	04	17	33	31	
	DATE OF OCCURRENCE	07	22	09	09	06+	05	09+	30	29	22	10	29+	JUN 05	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	36	48	37	32	37	55	34	51	48	31	31	30	55	
DIR. (TENS OF DEGS.)	18	16	31	28	20	31	01	02	09	26	17	32	31		
DATE OF OCCURRENCE	07	26	09	09	03	05	09	30	29	07	10	29+	JUN 05		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	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	
	GREATEST 24-HOUR (IN.)	1.14	2.66	2.39	0.55	2.05	1.33	1.02	1.40	7.21	0.70	0.66	0.87	7.21	
	DATE OF OCCURRENCE	22-23	02-03	08	01	06-07	05-06	03	15-16	28-29	06-07	10-11	23-24	SEP 28-29	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	11	9	10	14	6	7	10	8	8	3	8	10	104	
PRECIPITATION ≥ 0.10	5	7	7	7	3	6	8	6	3	2	1	3	58		
PRECIPITATION ≥ 1.00	1	5	2	0	1	0	1	0	2	0	0	0	12		
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: 192 BARO: 210 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	56.3	60.8	68.6	76.4	82.9	89.4	91.1	90.4	87.0	78.2	68.7	60.2	75.8
	MEAN DAILY MAXIMUM	51	57.3	61.6	68.7	76.8	83.9	89.9	91.8	91.4	87.0	78.2	67.8	60.0	76.2
	HIGHEST DAILY MAXIMUM	54	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.	51	74.5	77.7	83.3	87.0	92.1	96.9	97.7	97.1	95.1	88.7	81.9	76.9	87.4
	NORMAL DAILY MINIMUM	30	35.8	38.8	45.7	52.9	60.8	67.9	71.5	70.8	66.1	53.3	44.6	38.7	53.9
	MEAN DAILY MINIMUM	51	36.4	39.6	45.6	52.6	61.0	68.4	71.6	70.9	65.9	53.4	43.5	38.3	53.9
	LOWEST DAILY MINIMUM	54	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.	51	18.8	22.9	29.3	37.4	47.8	58.1	66.2	63.8	53.1	37.3	27.1	21.2	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	51	46.9	50.6	57.2	64.7	72.5	79.1	81.7	81.2	76.4	65.8	55.6	49.0	65.1
	MEAN WET BULB	15	42.4	46.1	51.5	57.0	65.5	71.3	74.3	68.7	64.5	59.2	51.2	45.0	58.1
	MEAN DEW POINT	15	36.5	39.8	44.9	51.4	61.3	67.8	71.5	65.9	61.2	54.8	46.3	39.9	53.4
	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	594	426	263	78	6	0	0	0	0	91	274	492	2224
	NORMAL COOLING DEG. DAYS	30	8	0	21	69	220	411	505	484	345	116	22	11	2212
RH	NORMAL (PERCENT)	30	70	66	66	67	71	72	76	76	74	71	72	71	71
	HOUR 06 LST	30	76	74	74	78	82	84	87	88	85	84	82	78	81
	HOUR 12 LST	30	81	80	82	86	88	88	90	91	89	89	87	82	86
	HOUR 18 LST	30	60	56	53	51	54	55	60	59	56	51	55	58	56
	HOUR 24 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)	54	3.4	1.9	1.6	1.2	1.2	0.9	1.0	1.0	1.6	2.1	2.9	3.5	22.3
	THUNDERSTORMS	54	1.8	2.3	4.6	5.2	6.1	8.7	11.4	8.3	3.9	1.4	2.0	1.6	57.3
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)	26	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)	15	30.15	30.11	30.06	30.02	30.00	30.00	30.04	30.02	30.03	30.09	30.12	30.17	30.07
WINDS	MEAN SPEED (MPH)	46	7.7	8.1	8.4	7.3	6.0	5.8	5.7	5.2	5.9	5.8	6.5	7.2	6.6
	PREVAIL. DIR (TENS OF DEGS)	30	31	32	18	18	18	23	24	09	09	09	31	31	09
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	3	31	37	34	36	33	43	31	40	34	23	31	34	43
	DIR. (TENS OF DEGS)		28	08	26	11	02	31	34	02	08	32	31	30	31
	YEAR OF OCCURRENCE		1996	1998	1996	1997	1996	1998	1996	1998	1998	1996	1997	1996	JUN 1998
	MAXIMUM 5-SECOND:														
SPEED (MPH)	3	38	48	43	46	40	55	38	51	48	31	39	40	55	
DIR. (TENS OF DEGS)		28	16	01	26	01	31	34	02	09	26	29	29	31	
YEAR OF OCCURRENCE		1996	1998	1996	1996	1996	1998	1996	1998	1998	1998	1997	1996	JUN 1998	
PRECIPITATION	NORMAL (IN)	30	4.68	5.48	6.26	4.49	3.92	3.90	5.19	3.69	4.09	2.45	4.08	5.20	53.43
	MAXIMUM MONTHLY (IN)	54	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)	54	0.72	1.47	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	1947	1997	1986	1995	1979	1952	1997	1995	1978	1949	1955	OCT 1978
	MAXIMUM IN 24 HOURS (IN)	54	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	T	0.*	0.0	0.0	0.0	0.0	0.0	T	0.*	0.3	
	MAXIMUM MONTHLY (IN)	51	6.0	3.1	3.8	0.8	T	0.0	0.0	0.0	0.0	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	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.*	0.1	

PRECIPITATION (inches) 1998 MONTGOMERY, AL (MGM)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	1.85	3.64	4.73	1.82	4.97	1.75	3.24	5.06	6.06	1.60	0.73	3.88	39.33
1970	2.83	3.77	6.20	2.01	3.49	7.83	5.89	3.70	2.02	4.98	1.50	4.18	48.40
1971	2.53	6.61	10.77	3.81	3.73	3.18	4.94	3.22	5.86	0.29	2.27	6.24	53.45
1972	6.35	3.98	5.25	1.45	1.70	5.49	5.84	3.03	1.61	1.56	3.71	7.14	47.11
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
POR= 126 YRS	4.77	5.24	6.21	4.62	3.76	4.05	4.89	3.78	3.58	2.39	3.48	4.78	51.55

WBAN : 13895

AVERAGE TEMPERATURE (°F) 1998 MONTGOMERY, AL (MGM)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	47.5	48.9	50.1	65.4	71.5	79.4	83.1	78.0	73.4	67.0	52.4	45.8	63.5
1970	40.2	46.8	55.3	67.9	72.2	77.0	81.5	80.7	79.2	67.0	51.5	51.8	64.3
1971	48.0	49.0	52.8	62.6	68.2	79.9	79.7	79.5	77.8	70.2	54.1	58.3	65.0
1972	52.6	49.7	57.5	65.7	71.0	78.4	80.1	81.3	78.6	66.3	52.6	52.6	65.5
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
POR= 126 YRS	48.1	51.0	57.8	65.1	72.9	79.6	81.6	81.0	76.7	66.3	55.9	49.4	65.5

WBAN : 13895

HEATING DEGREE DAYS (base 65°F) 1998 MONTGOMERY, AL (MGM)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1969-70	0	0	0	55	374	589	760	505	297	51	13	0	2644
1970-71	0	0	1	39	398	410	525	445	376	122	35	0	2351
1971-72	0	0	0	18	343	242	391	443	241	91	0	0	1769
1972-73	0	0	2	67	380	393	575	502	135	119	18	0	2191
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-	0	0	0	42	171	359							

WBAN : 13895

COOLING DEGREE DAYS (base 65°F) 1998 MONTGOMERY, AL (MGM)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	3	8	3	62	218	441	568	409	258	127	4	0	2101
1970	0	0	4	146	245	366	516	494	434	109	0	7	2321
1971	4	3	2	58	142	453	460	454	388	185	22	43	2214
1972	11	4	13	117	196	408	476	514	417	115	17	15	2303
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

SNOWFALL (inches) 1998 MONTGOMERY, AL (MGM)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1969-70	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	0.0	0.0	T
1970-71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1971-72	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T
1972-73	0.0	0.0	0.0	0.0	0.0	0.0	T	3.1	0.0	0.0	0.0	0.0	3.1
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-													
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 (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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1998
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											* Type	REMARKS	
						SEA LEVEL	GROUND												AUTOMATED
							G	W	E	P	S	T	R	W	8	H			
<u>CITY</u>																			
49 Market Street (later Dexter Avenue)	9/05/72	2/28/74		32°23'	86°18'	186	77	34	34									Thermometers in window shelter, north of building.	
10 Market Street (later Dexter Avenue)	3/01/74	6/30/87	300 ft. SW	32°23'	86°18'	183	77	34	34									Thermometers in window shelter, north of building.	
5 Dexter Avenue	7/01/87	7/31/92	50 ft. WSW	32°23'	86°18'	180	77	68	68									Thermometers on roof.	
Moses Building Court Square	8/01/92	3/31/95	450 ft. NNW	32°23'	86°18'	176	110	99	99										
Old Post Office Bldg. Dexter Ave. & Lawrence	4/01/95	6/08/33	1000 ft. ESE	32°23'	86°18'	187	A109	100	100		B71		b71					A - 112 feet to 2/19/30. B - 70 feet to 7/28/05.	
U.S. Post Office Court House, corner of Church & Lee Streets	6/09/33	9/30/54	1400 ft. SW	32°23'	86°18'	201	105	90	90		90	C90	90					Daily precipitation and temperature extremes only after 9/1/50. C - Added 12/1/52.	
<u>AIRPORT</u>																			
Gunter Field Administration Building 5.5 mi. NE of P.O.	1/01/37	10/28/42		32°24'	86°14'	221	a43	6	6					3				a - 38 feet (affected by hangar) to 9/29/38 and 42 feet to 4/27/39. Air Force operation on Gunter Field 2/1/42 to 1/31/44.	
Gunter Field Engineering Hangar 4.8 mi. NE of P.O.	10/29/42	1/31/44	0.7 mi. WSW	32°24'	86°14'		66	5	5					3					
Dannelly Field Administration Building 6 mi. SW of P.O.	1/01/44	10/14/58	10.5 mi. SW	32°18'	86°24'	198	b28	6	5		c4			4				Observations began 2/1/44. b - 26 feet to 5/19/49. c - Added (from City Office) 9/1/50.	
Dannelly Field Administration Building 6 mi. SW of P.O.	10/15/58	Present	1/8 mi. NW	32°18'	86°24'	e183 g192	f23	26	26	%28	26	NA h26	26	d4 14	NA			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 5/9/68; moved 1800 feet SW 6/19/74. g - Effective 9/2/74. h - Added 10/1/78. i - Commissioned 10/14/58. % - Type change 6/13/85.	
SUBSCRIPTION: Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801.																			
INQUIRIES/COMMENTS CALL: (828) 271-4800																			

National Climatic Data Center
151 Patton Avenue, Rm 120
Asheville NC 28801-5001

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