

1997

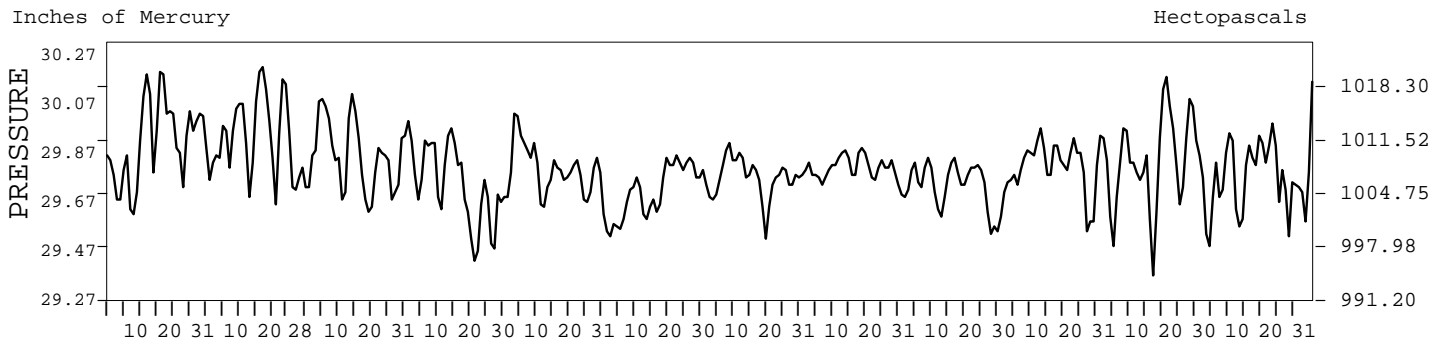
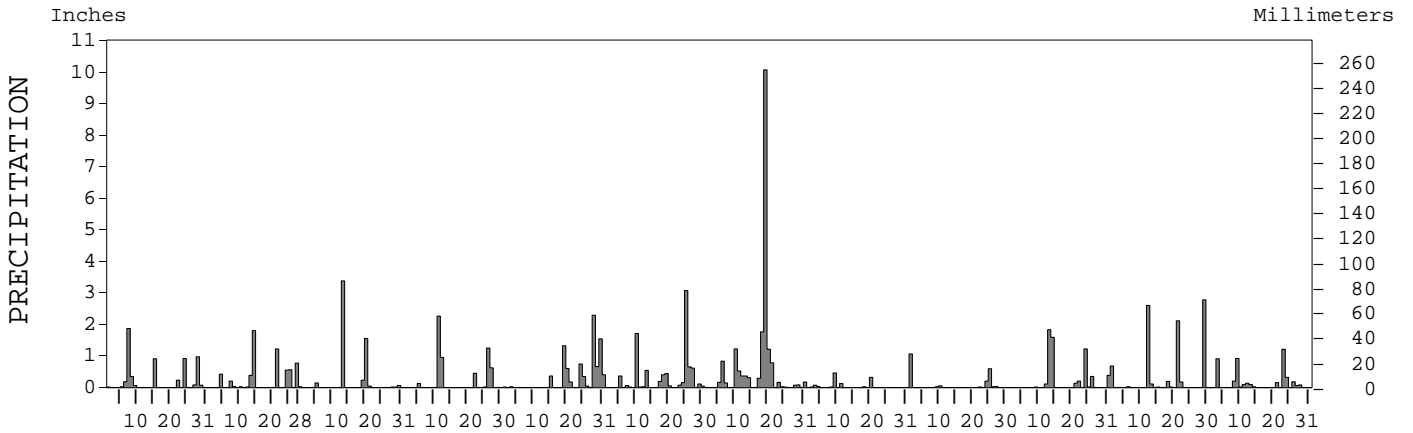
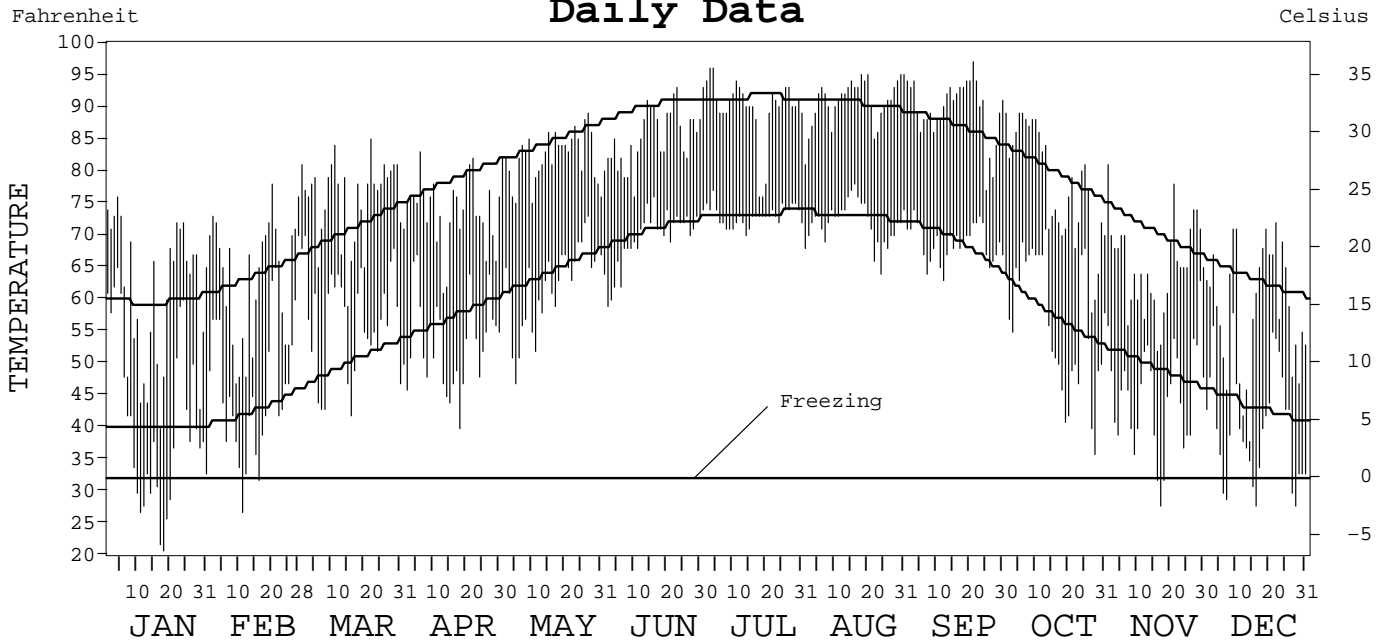
# LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0197-9515

## MOBILE, ALABAMA (MOB)

### Daily Data



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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL AND INFORMATION SERVICE  
NATIONAL SATELLITE, DATA, AND INFORMATION SERVICE  
ASHEVILLE, NORTH CAROLINA

*Fernando S. ...*  
ACTING DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 1997

## MOBILE, AL (MOB)

LATITUDE: 30° 41' 18" N      LONGITUDE: 88° 14' 44" W      ELEVATION (FT): GRND: 211      BARO: 226      TIME ZONE: CENTRAL (UTC+ 6)      WBAN: 13894

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	60.9	63.4	75.8	73.7	82.2	85.2	89.9	90.8	89.6	77.8	65.3	58.6	76.1	
	HIGHEST DAILY MAXIMUM	76	78	85	83	89	93	96	95	97	89	81	72	97	
	DATE OF OCCURRENCE	04	20	22	06	27	23	04+	31+	21	06+	01	22	SEP 21	
	MEAN DAILY MINIMUM	41.1	46.4	56.7	53.3	62.2	69.5	73.1	72.0	68.8	56.5	44.9	40.2	57.1	
	LOWEST DAILY MINIMUM	21	27	42	40	47	59	70	64	63	36	28	28	21	
	DATE OF OCCURRENCE	18	11	16	18	05	02	14	24	12	28	17	28+	JAN 18	
	AVERAGE DRY BULB	51.0	54.9	66.3	63.5	72.2	77.4	81.5	81.4	79.2	67.2	55.1	49.4	66.6	
	MEAN WET BULB	46.5	51.8	60.2	57.3	66.6	72.4	75.5	73.9	71.2	61.3	51.2	46.1	61.2	
	MEAN DEW POINT	40.9	48.4	55.7	51.8	63.0	70.3	73.7	71.0	68.1	57.3	47.6	42.2	57.5	
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	0	5	22	23	17	0	0	0	0	67
	MAXIMUM ≤ 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM ≤ 32°	9	2	0	0	0	0	0	0	0	0	3	6	20		
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	440	293	63	80	5	0	0	0	89	296	475	1741		
	COOLING DEGREE DAYS	15	18	109	42	236	377	521	519	435	163	7	2442		
RH	MEAN (PERCENT)	73	80	74	70	77	83	83	76	75	75	79	77		
	HOUR 00 LST	79	88	85	83	90	94	93	89	91	87	91	88		
	HOUR 06 LST	82	89	88	84	90	93	93	90	93	90	93	90		
	HOUR 12 LST	63	70	56	53	58	71	66	56	52	58	60	63		
	HOUR 18 LST	72	77	68	64	72	78	82	70	69	72	79	78		
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	8	5	10	1	5	4	2	0	0	2	2	7		
	THUNDERSTORMS	6	4	5	8	10	15	20	8	2	5	3	4		
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.)	29.92	29.94	29.85	29.75	29.80	29.71	29.77	29.80	29.74	29.82	29.82	29.79		
	MEAN SEA-LEVEL PRESS. (IN.)	30.15	30.17	30.08	29.98	30.03	29.94	30.00	30.03	29.96	30.05	30.05	30.03		
WINDS	RESULTANT SPEED (MPH)	2.2	2.6	1.5	1.0	1.5	0.7	0.6	1.7	0.8	2.4	1.6	2.4		
	RES. DIR. (TENS OF DEGS.)	35	07	19	12	13	20	34	01	33	07	01	35		
	MEAN SPEED (MPH)	8.9	9.4	8.5	9.2	6.8	5.9	5.7	5.5	5.3	7.9	6.9	7.3		
	PREVAIL. DIR. (TENS OF DEGS.)	22	17	21	05	19	21	31	02	01	01	01	35		
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	24	34	29	30	28	29	36	24	25	28	33	26		
	DIR. (TENS OF DEGS.)	23	21	03	06	35	34	35	02	13	18	23	14		
	DATE OF OCCURRENCE	24+	21	06+	26+	15	27	19	20+	01	13	01	21		
	JUL 19														
	MAXIMUM 5-SECOND WIND:														
SPEED (MPH)	37	41	39	39	31	34	45	29	29	37	44	33			
DIR. (TENS OF DEGS.)	25	21	21	16	19	34	34	03	12	26	23	13			
DATE OF OCCURRENCE	15	21	02	05	19+	27	19	18	01	24	01	21			
JUL 19															
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	5.67	5.98	5.42	5.66	8.50	8.49	18.52	1.04	1.98	5.83	8.68	4.37		
	GREATEST 24-HOUR (IN.)	2.03	1.80	3.38	3.21	2.93	3.22	10.07	0.47	1.06	3.38	2.78	1.53		
	DATE OF OCCURRENCE	06-07	14	13	11-12	28-29	24-25	19	08-09	01	13-14	29	23-24		
	JUL 19														
	NUMBER OF DAYS WITH:														
PRECIPITATION ≥ 0.01	12	12	8	7	13	18	19	8	8	10	10	14			
PRECIPITATION ≥ 0.10	7	8	4	6	10	11	15	3	3	8	7	8			
PRECIPITATION ≥ 1.00	1	2	2	2	3	2	4	0	1	3	3	1			
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

MOBILE, AL (MOB)

LATITUDE: 30° 41' 18" N      LONGITUDE: 88° 14' 44" W      ELEVATION (FT): GRND: 211      BARO: 226      TIME ZONE: CENTRAL (UTC+ 6)      WBAN: 13894

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	59.7	63.6	70.9	78.5	84.6	90.0	91.3	90.5	86.9	79.5	70.3	62.9	77.4
	MEAN DAILY MAXIMUM	50	60.7	64.3	70.5	77.7	84.6	89.7	91.0	90.6	86.9	79.3	69.6	63.0	77.3
	HIGHEST DAILY MAXIMUM	56	84	82	90	94	100	102	104	102	99	93	87	81	104
	YEAR OF OCCURRENCE		1949	1989	1946	1987	1953	1952	1952	1968	1990	1963	1971	1974	JUL 1952
	MEAN OF EXTREME MAXS.	50	74.8	77.4	82.2	86.6	92.3	96.1	96.9	96.1	93.8	88.4	81.6	76.4	86.9
	NORMAL DAILY MINIMUM	30	40.0	42.7	50.1	57.1	64.4	70.7	73.2	72.9	68.7	57.3	49.1	43.1	57.4
	MEAN DAILY MINIMUM	50	40.7	43.8	49.7	56.6	64.4	70.6	72.9	72.6	68.5	57.5	48.0	42.9	57.4
	LOWEST DAILY MINIMUM	56	3	11	21	32	43	49	60	59	42	30	22	8	3
	YEAR OF OCCURRENCE		1985	1996	1993	1987	1960	1984	1947	1956	1967	1993	1950	1983	JAN 1985
	MEAN OF EXTREME MINS.	50	22.4	25.5	32.3	41.6	52.1	62.4	68.5	67.3	56.7	40.9	31.2	24.7	43.8
	NORMAL DRY BULB	30	49.9	53.2	60.5	67.8	74.5	80.4	82.3	81.8	77.9	68.4	59.8	53.0	67.5
	MEAN DRY BULB	50	50.7	54.0	60.1	67.1	74.5	80.1	81.9	81.6	77.6	68.4	58.8	52.9	67.3
	MEAN WET BULB	14	45.8	49.5	54.6	59.5	67.3	72.4	74.7	74.3	70.6	61.4	54.5	48.8	61.1
	MEAN DEW POINT	14	40.5	44.1	49.4	54.7	63.6	69.5	72.2	71.8	67.4	57.1	50.0	44.3	57.0
	NORMAL NO. DAYS WITH:														
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.3	4.6	17.0	22.4	20.7	10.7	1.0	0.0	0.0	76.7	
MAXIMUM ≤ 32°	30	0.3	0.0	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	8.7	5.4	1.2	*	0.0	0.0	0.0	0.0	0.0	0.0	1.1	6.0	22.4	
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	492	344	177	48	0	0	0	0	0	52	196	393	1702
	NORMAL COOLING DEG. DAYS	30	24	14	38	132	295	462	536	521	387	157	40	21	2627
RH	NORMAL (PERCENT)	30	72	70	70	70	71	73	76	78	76	71	73	74	73
	HOUR 00 LST	30	78	78	80	82	84	85	87	88	86	82	82	80	83
	HOUR 06 LST	30	81	82	84	87	87	88	89	91	89	85	85	83	86
	HOUR 12 LST	30	60	57	55	52	53	55	60	61	59	52	57	61	57
	HOUR 18 LST	30	68	64	63	62	63	66	71	73	71	67	71	71	68
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	56	6.1	4.7	5.3	4.6	2.7	1.0	1.0	1.3	1.9	2.6	4.2	4.8	40.2
	THUNDERSTORMS	56	2.2	2.3	5.0	5.0	7.2	12.0	17.7	14.0	7.2	2.2	2.3	2.2	79.3
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	48	5.3	5.0	4.9	4.6	4.6	4.6	5.1	4.6	4.4	3.5	4.2	4.9	4.6
	MIDNIGHT-MIDNIGHT (OKTAS)	32	5.0	4.6	4.7	4.2	4.2	4.0	4.5	4.2	3.9	3.3	4.0	4.7	4.3
	MEAN NO. DAYS WITH:														
CLEAR	48	7.9	7.6	8.7	9.2	8.6	7.0	4.1	6.3	9.0	14.2	11.0	8.8	102.4	
PARTLY CLOUDY	48	6.2	6.6	7.8	8.7	11.3	13.8	15.0	14.8	10.1	7.6	7.2	6.4	115.5	
CLOUDY	48	16.9	14.0	14.5	12.0	11.1	9.2	11.9	9.9	11.0	9.1	11.8	15.9	147.3	
PR	MEAN STATION PRESSURE (IN)	25	29.90	29.90	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.90	29.90	29.83
	MEAN SEA-LEVEL PRES. (IN)	14	30.14	30.11	30.05	30.01	29.99	29.99	30.04	27.87	30.01	30.06	30.11	30.15	29.88
WINDS	MEAN SPEED (MPH)	40	10.3	10.7	10.8	10.2	8.8	7.7	7.0	6.8	7.9	8.4	9.5	9.9	9.0
	PREVAIL. DIR (TENS OF DEGS)	23	36	36	14	14	18	18	22	04	05	04	36	36	36
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	1	24	34	29	30	28	29	36	24	25	28	33	26	36
	DIR. (TENS OF DEGS)		23	21	30	60	35	34	35	20	13	18	23	14	35
	YEAR OF OCCURRENCE		1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	JUL 1997
	MAXIMUM 5-SECOND:														
SPEED (MPH)	1	37	41	39	39	31	34	45	29	29	37	44	33	45	
DIR. (TENS OF DEGS)		25	21	21	16	34	34	34	30	12	26	23	13	34	
YEAR OF OCCURRENCE		1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	JUL 1997	
PRECIPITATION	NORMAL (IN)	30	4.76	5.46	6.41	4.48	5.74	5.04	6.85	6.96	5.91	2.94	4.10	5.31	63.96
	MAXIMUM MONTHLY (IN)	56	16.07	11.89	15.58	17.69	15.08	13.07	19.29	15.19	14.04	13.20	13.65	11.38	19.29
	YEAR OF OCCURRENCE		1991	1983	1946	1955	1980	1961	1949	1984	1988	1985	1948	1953	JUL 1949
	MINIMUM MONTHLY (IN)	56	0.98	1.31	0.59	0.48	0.36	1.19	1.72	1.04	0.58	T	0.25	1.29	T
	YEAR OF OCCURRENCE		1968	1948	1967	1954	1996	1966	1983	1997	1963	1978	1960	1980	OCT 1978
	MAXIMUM IN 24 HOURS (IN)	56	8.34	5.37	10.57	13.36	8.86	7.38	10.07	6.62	8.55	5.65	7.02	7.46	13.36
	YEAR OF OCCURRENCE		1965	1981	1990	1955	1995	1961	1997	1969	1979	1985	1975	1995	APR 1955
	NORMAL NO. DAYS WITH:														
PRECIPITATION ≥ 0.01	30	10.8	9.2	10.0	6.8	8.4	11.1	15.1	14.5	10.2	5.5	8.0	10.2	119.8	
PRECIPITATION ≥ 1.00	30	1.4	1.7	2.2	1.5	1.8	1.4	2.1	2.4	1.7	1.1	1.0	1.9	20.2	
SNOWFALL	NORMAL (IN)	30	0.1	0.2	T	T	0.0	0.0	0.0	0.0	0.0	0.0	T	0.1	0.4
	MAXIMUM MONTHLY (IN)	55	3.5	3.6	2.7	T	T	0.0	T	0.0	0.0	0.0	T	3.0	3.6
	YEAR OF OCCURRENCE		1955	1973	1993	1988	1991		1995				1966	1963	FEB 1973
	MAXIMUM IN 24 HOURS (IN)	55	3.5	3.6	2.7	T	T	0.0	T	0.0	0.0	0.0	T	3.0	3.6
	YEAR OF OCCURRENCE		1955	1973	1993	1988	1991		1995				1966	1963	FEB 1973
	MAXIMUM SNOW DEPTH (IN)	48	22	3	2	0	0	0	0	0	0	0	0	0	22
	YEAR OF OCCURRENCE		1964	1973	1993										JAN 1964
NORMAL NO. DAYS WITH:															
SNOWFALL ≥ 1.0	30	0.*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.*	0.1	

PRECIPITATION (inches) 1997 MOBILE, AL (MOB)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1968	0.98	2.88	1.30	2.24	3.17	3.71	3.08	4.59	6.13	1.13	4.05	10.70	43.96
1969	2.79	3.40	8.15	4.53	7.95	1.33	14.14	12.05	1.95	0.67	0.44	5.58	62.98
1970	3.85	5.32	8.60	1.67	8.84	7.68	9.19	9.20	2.56	5.71	1.54	5.77	69.93
1971	2.15	7.15	6.49	0.99	3.16	2.88	7.75	10.46	7.30	0.03	1.23	5.58	55.17
1972	5.94	4.46	5.87	1.81	7.72	3.65	2.16	2.35	3.28	1.26	5.67	5.59	49.76
1973	1.96	3.40	11.63	9.91	2.97	5.33	6.24	5.46	12.68	2.15	4.52	4.57	70.82
1974	3.89	6.47	6.16	5.91	2.31	3.48	6.60	7.03	10.60	0.88	3.91	4.31	61.55
1975	3.43	3.75	7.45	9.05	7.12	3.76	11.82	8.50	7.37	6.72	12.63	4.98	86.58
1976	1.80	2.36	9.60	1.69	11.11	4.71	4.43	4.77	3.51	5.67	4.64	4.21	58.50
1977	5.54	1.86	6.06	2.73	5.30	1.26	7.77	5.42	9.61	4.57	9.51	4.94	64.57
1978	10.40	3.88	4.08	7.03	9.74	6.13	7.74	7.34	3.04	T	5.05	4.36	68.79
1979	5.14	9.14	8.37	4.05	7.02	3.70	10.80	6.10	11.73	2.80	6.46	3.94	79.25
1980	4.95	1.58	13.46	15.43	15.08	2.57	6.54	6.42	5.94	2.90	1.96	1.29	78.12
1981	1.23	8.75	3.00	0.96	12.51	6.50	6.53	5.06	3.97	0.94	0.85	6.82	57.12
1982	3.56	7.42	6.81	4.48	2.84	11.00	13.14	7.00	4.68	1.61	3.66	8.24	74.44
1983	5.82	11.89	6.89	12.53	1.53	8.09	1.72	11.57	5.97	3.81	5.30	8.34	83.46
1984	6.13	4.79	4.75	3.53	4.28	2.07	2.36	15.19	0.74	6.19	1.67	2.12	53.82
1985	5.06	6.39	5.49	1.22	5.77	3.94	8.31	4.32	10.32	13.20	1.61	4.34	69.97
1986	2.67	4.17	4.53	2.16	4.18	7.53	7.13	5.60	4.41	4.83	8.45	3.68	59.34
1987	5.81	8.64	6.18	0.83	10.69	7.68	4.18	10.33	3.62	0.02	5.54	3.60	67.12
1988	4.64	6.26	7.80	4.19	0.58	2.34	6.04	10.43	14.04	1.83	2.30	1.80	62.25
1989	2.13	1.47	5.57	3.55	6.47	9.82	7.16	3.82	4.55	0.90	11.33	7.23	64.00
1990	7.35	8.13	12.24	4.51	6.47	2.68	2.28	1.46	2.65	1.23	1.77	5.20	55.97
1991	16.07	3.35	4.83	10.43	15.03	7.04	8.15	5.17	1.87	0.86	5.78	3.09	81.67
1992	9.89	9.94	3.61	1.90	1.58	5.24	7.77	8.27	3.26	1.03	12.70	5.27	70.46
1993	8.03	4.48	10.45	4.80	5.24	3.01	5.64	3.52	3.35	5.32	2.87	3.69	60.40
1994	6.57	1.32	4.34	5.48	4.59	5.09	10.72	2.05	1.76	5.91	4.05	3.04	54.92
1995	7.09	3.01	8.53	7.46	12.08	3.32	4.63	7.60	1.16	8.70	8.05	8.86	80.49
1996	4.65	6.23	8.97	11.93	0.36	5.18	4.95	8.29	5.01	1.72	2.52	6.92	66.73
1997	5.67	5.98	5.42	5.66	8.50	8.49	18.52	1.04	1.98	5.83	8.68	4.37	80.14
POR= 127 YRS	4.91	5.12	6.60	5.11	4.89	5.53	7.47	6.57	5.37	3.21	3.83	5.10	63.71

WBAN : 13894

AVERAGE TEMPERATURE (°F) 1997 MOBILE, AL (MOB)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1968	50.3	46.7	58.1	70.3	76.0	83.2	82.7	83.1	78.1	70.1	56.3	49.5	67.0
1969	51.5	53.7	53.8	68.9	74.5	82.4	83.5	80.6	77.5	71.2	58.0	53.7	67.4
1970	45.0	51.4	59.2	71.9	75.3	80.2	83.0	83.0	81.7	70.5	55.9	57.4	67.9
1971	53.7	54.3	59.9	67.9	73.0	82.4	82.3	82.1	79.5	72.9	59.2	63.5	69.2
1972	58.4	55.0	61.8	69.4	74.7	80.7	81.4	83.4	81.6	71.0	56.8	55.5	69.1
1973	50.5	51.7	64.6	65.6	74.6	81.6	84.1	81.4	80.2	73.6	65.3	52.9	68.8
1974	64.0	55.2	64.3	66.1	75.5	77.8	82.2	81.4	75.5	65.5	59.2	55.1	68.5
1975	56.6	59.8	60.7	66.2	76.5	80.7	81.8	81.7	75.3	70.3	60.5	52.1	68.5
1976	49.5	59.4	64.0	69.9	72.7	79.8	83.4	81.0	75.5	61.4	50.6	48.0	66.3
1977	40.9	52.2	62.6	68.2	75.6	82.9	83.5	83.4	80.9	65.2	60.9	50.8	67.3
1978	41.2	45.1	56.7	68.5	75.4	81.2	82.8	83.2	81.6	69.8	65.1	54.4	67.1
1979	45.1	50.7	60.8	69.3	73.3	79.7	81.3	81.1	76.8	68.1	57.2	51.3	66.2
1980	56.2	49.7	61.6	65.9	74.6	81.2	84.6	83.2	81.8	66.3	57.8	51.6	67.9
1981	46.0	53.4	59.5	71.0	71.6	82.6	84.0	82.7	76.8	69.4	63.0	49.9	67.5
1982	49.7	53.3	63.5	67.1	74.4	80.7	81.0	81.0	76.0	68.5	60.4	56.9	67.7
1983	47.1	51.1	55.0	61.8	72.1	76.4	81.8	81.4	73.6	67.4	57.7	47.7	64.4
1984	46.1	52.4	58.6	65.7	72.5	78.1	79.9	78.8	75.6	72.7	56.3	60.4	66.4
1985	43.5	50.7	64.5	67.7	73.7	79.9	79.7	81.0	76.0	71.4	66.1	48.8	66.9
1986	49.7	56.4	59.7	66.1	74.4	81.0	83.3	80.5	79.5	68.5	64.3	51.1	67.9
1987	48.8	53.6	59.2	64.6	75.7	78.9	81.8	82.2	77.2	62.5	59.2	56.5	66.7
1988	46.8	50.6	58.6	67.3	72.8	79.5	81.8	81.3	78.3	65.3	62.7	53.8	66.6
1989	57.1	54.0	61.7	65.9	74.1	79.0	81.0	81.6	76.7	66.1	59.1	44.4	66.7
1990	54.6	59.0	61.7	65.0	73.4	81.1	81.7	83.1	78.6	68.0	60.9	56.7	68.7
1991	52.4	55.9	61.8	69.3	76.0	79.7	81.9	81.3	77.1	69.4	54.1	54.5	67.8
1992	49.4	57.0	60.3	65.4	72.2	79.3	82.4	79.4	77.2	67.4	56.4	55.6	66.8
1993	55.1	52.7	57.0	62.1	71.9	79.9	82.6	82.8	78.3	68.1	56.8	49.8	66.4
1994	47.2	56.1	60.0	68.6	73.4	79.6	79.9	80.4	76.6	68.6	63.8	55.2	67.5
1995	51.0	55.1	61.8	67.1	75.6	78.6	82.5	83.2	78.6	68.5	56.7	51.6	67.5
1996	49.0	52.4	55.4	63.8	75.6	78.8	81.7	80.0	76.4	67.3	59.2	54.3	66.2
1997	51.0	54.9	66.3	63.5	72.2	77.4	81.5	81.4	79.2	67.2	55.1	49.4	66.6
POR= 125 YRS	51.4	54.2	60.2	67.0	74.2	80.2	81.8	81.5	78.0	68.7	59.0	52.9	67.4

HEATING DEGREE DAYS (base 65°F) 1997 MOBILE, AL (MOB)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1968-69	0	0	0	50	284	474	420	320	342	8	0	0	1898
1969-70	0	0	0	20	220	345	618	375	190	14	10	0	1792
1970-71	0	0	0	7	273	265	361	308	190	57	6	0	1467
1971-72	0	0	0	8	204	136	244	295	131	35	0	0	1053
1972-73	0	0	0	33	284	308	442	368	86	75	0	0	1596
1973-74	0	0	0	18	91	377	108	288	106	49	0	0	1037
1974-75	0	0	0	58	215	336	276	185	183	70	0	0	1323
1975-76	0	0	9	11	211	402	475	174	100	8	0	0	1390
1976-77	0	0	0	149	430	520	738	355	141	28	0	0	2361
1977-78	0	0	0	73	149	439	731	551	268	16	0	0	2227
1978-79	0	0	0	20	53	355	613	401	152	8	4	0	1606
1979-80	0	0	0	43	246	424	267	454	159	52	0	0	1645
1980-81	0	0	0	63	235	420	581	323	180	9	4	0	1815
1981-82	0	0	5	42	113	463	485	323	161	48	0	0	1640
1982-83	0	0	5	63	185	296	545	383	306	119	4	0	1906
1983-84	0	0	7	60	243	529	582	363	218	69	10	0	2081
1984-85	0	0	2	17	270	172	665	397	84	50	1	0	1658
1985-86	0	0	1	22	69	503	469	251	188	40	0	0	1543
1986-87	0	0	0	43	105	433	500	311	193	106	0	0	1691
1987-88	0	0	0	108	194	283	565	421	214	33	0	0	1818
1988-89	0	0	0	53	122	363	254	335	170	81	2	0	1380
1989-90	0	0	6	71	204	630	326	186	128	71	0	0	1622
1990-91	0	0	2	58	145	287	382	258	156	13	0	0	1301
1991-92	0	0	3	32	344	342	477	236	165	77	16	0	1692
1992-93	0	0	0	18	276	297	307	340	260	110	3	0	1611
1993-94	0	0	0	64	278	464	543	260	182	46	0	0	1837
1994-95	0	0	0	35	93	304	426	281	148	41	3	0	1331
1995-96	0	0	0	29	263	445	489	381	323	97	3	0	2030
1996-97	0	0	0	48	212	346	440	293	63	80	5	0	1487
1997-	0	0	0	89	296	475							

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COOLING DEGREE DAYS (base 65°F) 1997 MOBILE, AL (MOB)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	5	10	4	134	303	527	582	490	380	220	17	4	2676
1970	6	2	16	229	335	467	564	567	505	184	6	36	2917
1971	18	13	37	151	260	531	541	534	441	261	37	94	2918
1972	47	15	40	173	309	478	513	575	505	224	46	20	2945
1973	0	1	80	98	303	508	598	518	462	293	110	10	2981
1974	85	19	91	88	332	392	539	517	323	81	45	36	2548
1975	21	44	57	115	363	475	529	524	325	183	85	11	2732
1976	0	17	74	160	245	454	578	504	321	48	4	0	2405
1977	0	4	74	132	333	543	579	576	482	85	31	7	2846
1978	0	0	17	127	329	496	560	573	507	177	64	34	2884
1979	0	6	28	144	267	448	512	509	361	146	16	5	2442
1980	2	17	61	89	305	495	618	571	512	110	25	9	2814
1981	0	4	15	195	217	538	595	557	366	185	60	4	2736
1982	17	2	119	118	296	475	502	503	342	177	54	53	2658
1983	0	0	4	27	229	351	532	514	271	140	29	2	2099
1984	0	3	24	96	249	401	469	435	327	261	16	34	2315
1985	4	2	77	133	275	452	461	504	339	227	108	7	2589
1986	0	15	31	79	295	486	573	489	444	158	89	8	2667
1987	4	0	21	99	341	422	527	544	373	41	27	28	2427
1988	7	10	21	108	251	442	529	513	404	67	61	20	2433
1989	16	33	74	116	289	431	498	523	366	114	31	0	2491
1990	7	23	34	80	267	493	525	569	417	155	29	36	2635
1991	1	6	66	149	348	448	528	513	371	176	23	22	2651
1992	0	9	31	97	249	437	548	454	373	102	20	13	2333
1993	5	2	21	33	224	455	554	559	408	165	37	0	2463
1994	0	18	33	161	268	443	469	485	357	155	66	6	2461
1995	0	12	55	106	338	416	554	571	417	145	20	35	2669
1996	1	23	30	69	335	419	526	473	349	125	44	17	2411
1997	15	18	109	42	236	377	521	519	435	163	7	0	2442

SNOWFALL (inches) 1997 MOBILE, AL (MOB)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1970-71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T
1971-72	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
1972-73	0.0	0.0	0.0	0.0	0.0	0.0	T	3.6	0.0	0.0	0.0	0.0	3.6
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1975-76	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
1976-77	0.0	0.0	0.0	0.0	0.0	T	1.9	0.0	0.0	0.0	0.0	0.0	1.9
1977-78	0.0	0.0	0.0	0.0	0.0	0.0	0.4	T	0.0	0.0	0.0	0.0	0.4
1978-79	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	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	T	T	0.0	0.0	0.0	T
1980-81	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	0.0	T
1981-82	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1982-83	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
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	T	0.0	0.0	T
1987-88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	T	0.0	0.0	1.7
1988-89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T
1989-90	T	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	0.0	T	0.0	T
1991-92	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
1992-93	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	2.7
1993-94	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	0.0	T
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	0.0	T
1995-96	T	0.0	0.0	0.0	0.0	T	0.0						
1996-97						1.0							
1997-													
POR= 54 YRS	T	0.0	0.0	0.0	T	0.1	0.1	0.1	0.1	T	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 EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p>
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1997  
MOBILE,  
ALABAMA (MOB)

Mobile is located at the head of Mobile Bay and approximately 30 miles from the Gulf of Mexico. Its weather is influenced to a considerable extent by the Gulf.

The summers are consistently warm, but temperatures are seldom as high as they are at inland stations. Normally, in summer, the day begins in the low 70s and the temperature rises rapidly before noon to the high 80s or low 90s, when it is checked by the onset of the sea breeze. On the rare occasions when northerly winds prevail throughout the day, temperatures may reach the high 90s or rise slightly above 100 degrees.

Winter weather is usually mild except for occasional invasions of cold air that last about three days. January is the coldest month in the year. Unusual winters may produce readings that require extensive protective measures as some citrus fruit is grown in the area and outdoor nurseries are numerous.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is November 26 and the average last occurrence in the spring is February 27.

The yearly rainfall is among the highest in the United States. It is fairly evenly distributed throughout the year with a slight maximum at the height of the summer thunderstorm season and a slight minimum during the late fall. Rainfall is usually of the shower type and long periods of continuous rain are rare.

Frontal thunderstorms may occur in any month of the year. There may be a thunderstorm every other day in July and August. The summer storms are usually not too violent and seldom produce hail.

The area is subject to hurricanes from the West Indies, the western Caribbean, and the Gulf of Mexico.

# STATION LOCATION

MOBILE, ALABAMA

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE											REMARKS	
						SEA LEVEL	GROUND											
							G	W	E	P	S	T	R	W	8	H		A
CITY - - NOTE: For period November 6, 1870 through November 16, 1880, refer to previous editions.																		
Battle House, Corner Royal & St. Francis Sts	11/18/80	11/01/81	800 ft. NNW	30°41'	88°02'	11	96	64										
New Manser Building, Corner Government & Royal Streets	11/01/81	7/01/84	800 ft. SSE	30°41'	88°02'	?	64	36										
Customs House, Corner Royal & St. Francis Sts	7/01/84	9/01/05	800 ft. NNW	30°41'	88°02'	11	94	87										
City Bank Building * 12-14 St. Joseph Street	9/01/05	11/01/13	300 ft. S	30°41'	88°02'	11	95	94										* - Name later changed to First National Bank Building.
First Nat'l Bank Bldg. 12-14 St. Joseph Street	11/01/13	11/01/36		30°41'	88°02'	11	161	126										
U.S. Court House and Customs House, Corner St. Louis & St. Joseph	11/01/36	5/01/53	800 ft. NNW	30°42'	88°02'	10	105	86										Consolidated at airport. Climatological record continued with cooperative observer.
<u>AIRPORT</u>																		
Bates Field; 4 miles SSW of Post Office	11/06/34	1/16/39		30°38'	88°04'	26	25	?	?									As the Air Force transformed old Bates Field into Brookley Air Force Base, several relocations on the field were necessary.
Bates Field; 4 miles SSW of Post Office	1/16/39	6/19/41	Same	30°38'	88°04'	26	39	6	6									
Bates Field; 4 miles SSW of Post Office	6/19/41	12/01/41	Approx. 0.7 mi. N	30°38'	88°04'	21	25	5	5									
Bates Field; 12 miles West of Post Office	12/01/41	2/20/50	10.4 mi. WNW	30°41'	88°14'	212	30	6	6									New field with name transferred from old field.
Bates Field; 12 miles West of Post Office	2/20/50	Present	2850 ft. W	30°41'	88°15'	211	a22 133	6 c	NA h26	NA	e4 g26	g4 g26	4 f	b4 j5	NA			a - 56 feet to 3/29/62. b - Telepsychrometer (6") 2/20/50-3/24/61. Hygro. comm. 3/24/61, & moved 1700; NW on 3/20/62. c - Removed 3/30/62. d - Installed at 4 feet 5/6/58, relocated at 26 feet 12/28/63, decommissioned 9/2/65 and commissioned again at 4 feet 7/1/67. e - Commissioned 9/2/65. f - Removed prior to 1965. g - Moved to roof 7/01/72. h - Installed on roof 7/1/72. i - Raised 3/9/82. j - Minor adjustment and type change 10/23/85. s ASOS Commissioned 02/01/96

SUBSCRIPTION: Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801.  
INQUIRIES/COMMENTS CALL: (704) 271-4800

National Climatic Data Center  
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