

2003

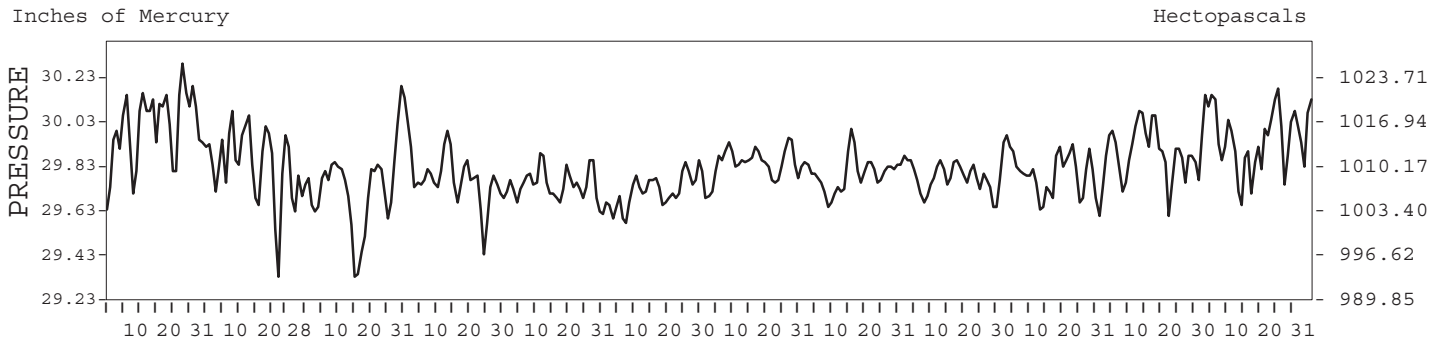
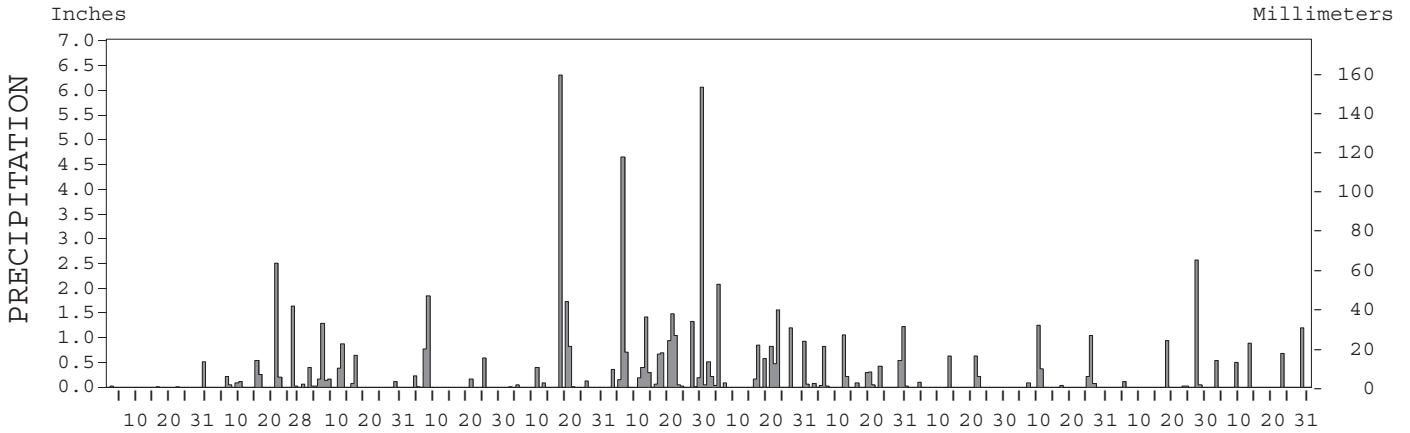
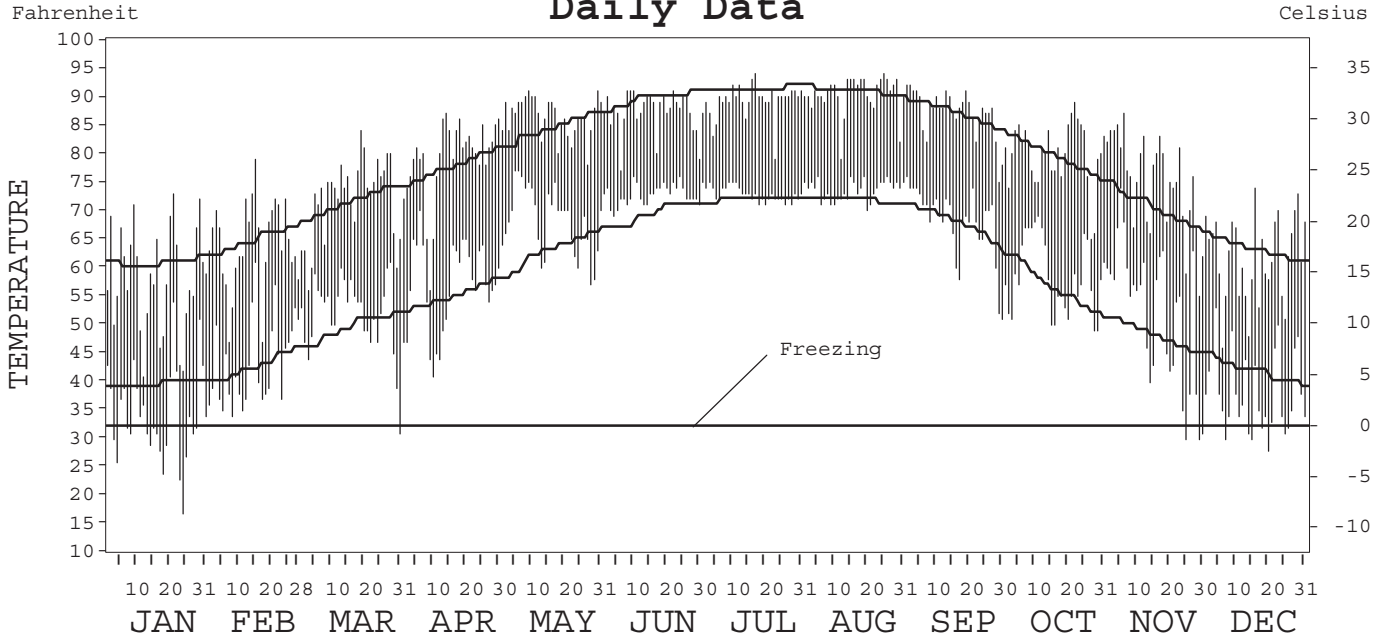
LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0197-9507

MOBILE, ALABAMA (MOB)

Daily Data



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

METEOROLOGICAL DATA FOR 2003

MOBILE, AL (MOB)

LATITUDE: 30° 41' 18" N LONGITUDE: 88° 14' 44" W ELEVATION (FT): GRND: 209 BARO: 212 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	58.0	64.1	72.1	79.0	86.4	87.3	89.2	90.4	87.2	80.0	74.9	61.8	77.5	
	HIGHEST DAILY MAXIMUM	73	79	84	87	91	91	94	94	92	89	87	74	94	
	DATE OF OCCURRENCE	21	15	19	14	30+	22+	17	25	02+	22	06	16	AUG 25	
	MEAN DAILY MINIMUM	34.3	43.3	51.8	56.7	68.1	72.7	72.9	73.6	68.0	58.4	51.6	37.9	57.4	
	LOWEST DAILY MINIMUM	17	34	31	41	57	69	71	70	51	49	30	28	17	
	DATE OF OCCURRENCE	24	08	31	10	28	04	28+	20	30	29+	29+	20	JAN 24	
	AVERAGE DRY BULB	46.2	53.7	62.0	67.9	77.3	80.0	81.1	82.0	77.6	69.2	63.3	49.9	67.5	
	MEAN WET BULB	40.7	49.2	56.7	60.9	70.3	74.1	74.3	75.1	69.5	62.2	56.6	44.7	61.2	
	MEAN DEW POINT	32.9	44.3	52.0	55.8	66.8	71.6	71.9	72.7	65.4	57.7	51.4	38.4	56.7	
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	5	10	18	24	9	0	0	0	0	66
MAXIMUM ≤ 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MINIMUM ≤ 32°	16	0	1	0	0	0	0	0	0	0	3	7	27		
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	576	314	113	48	0	0	0	0	1	16	143	459	1670	
	COOLING DEGREE DAYS	0	5	23	143	386	459	504	536	388	153	100	0	2697	
RH	MEAN (PERCENT)	64	74	74	69	74	79	79	78	71	72	70	68	73	
	HOUR 00 LST	75	84	85	84	85	88	90	88	82	84	81	77	84	
	HOUR 06 LST	77	83	89	86	87	89	89	89	86	86	83	78	85	
	HOUR 12 LST	48	58	55	49	55	66	64	61	52	53	51	52	55	
	HOUR 18 LST	59	72	67	61	69	74	75	75	67	70	69	69	69	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	3	3	8	4	4	2	2	5	2	3	4	1	41	
	THUNDERSTORMS	0	5	5	4	7	20	20	19	4	1	2	1	88	
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.)	30.00	29.83	29.72	29.78	29.74	29.71	29.83	29.79	29.78	29.79	29.90	29.94	29.82	
	MEAN SEA-LEVEL PRESS. (IN.)	30.23		29.95	30.01		29.94	30.06	30.02	30.01	30.02		30.17		
WINDS	RESULTANT SPEED (MPH)	3.5	0.7	1.2	0.8	2.1	1.6	1.3	1.0	3.0	1.7	1.5	1.8	0.5	
	RES. DIR. (TENS OF DEGS.)	32	04	06	24	18	19	20	10	06	03	06	02	05	
	MEAN SPEED (MPH)	8.0	8.0	6.7	7.5	8.4	6.0	5.4	5.1	6.2	6.2	7.4	7.4	6.9	
	PREVAIL. DIR. (TENS OF DEGS.)	01	01	05	15	19	19	22	21	01	01	01	32	01	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	29	32	28	33	24	35	31	30	20	23	32	25	35	
	DIR. (TENS OF DEGS.)	33	19	33	34	25	15	08	06	34	17	34	33	15	
	DATE OF OCCURRENCE	16	21	13	25	18+	30	31	20	28+	26+	28	17	JUN 30	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	36	40	35	43	35	47	46	38	26	30	39	33	47	
DIR. (TENS OF DEGS.)	30	20	28	34	19	14	08	03	02	18	34	32	14		
DATE OF OCCURRENCE	16	21	13	25	07	30	31	20	29	26	28	17	JUN 30		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	0.55	5.57	4.30	3.59	9.51	20.66	9.48	5.17	1.57	3.04	3.70	3.79	70.93	
	GREATEST 24-HOUR (IN.)	0.51	2.70	1.44	2.54	6.30	6.17	6.08	1.65	0.83	1.40	2.61	1.19	6.30	
	DATE OF OCCURRENCE	30	21-22	06-07	07-08	18	29-30	30-01	29-30	21-22	10-11	27-28	29	MAY 18	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	4	10	13	6	9	20	14	15	4	7	6	5	113	
PRECIPITATION ≥ 0.10	1	7	9	5	5	16	11	8	4	4	3	5	78		
PRECIPITATION ≥ 1.00	0	2	1	1	2	6	3	2	0	2	1	1	21		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	
	GREATEST 24-HOUR (IN.)	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	
	DATE OF OCCURRENCE	30												JAN 30	
	MAXIMUM SNOW DEPTH (IN.)	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NUMBER OF DAYS WITH:														
SNOWFALL ≥ 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0		

NORMALS, MEANS, AND EXTREMES

MOBILE, AL (MOB)

LATITUDE: 30° 41' 18" N LONGITUDE: 88° 14' 44" W ELEVATION (FT): GRND: 209 BARO: 212 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	60.7	64.5	71.2	77.4	84.2	89.4	91.2	90.8	86.8	79.2	70.1	62.9	77.4
	MEAN DAILY MAXIMUM	56	60.8	64.6	70.4	77.8	84.7	89.8	91.1	90.8	86.9	79.3	69.9	63.1	77.4
	HIGHEST DAILY MAXIMUM	62	84	82	90	94	100	102	104	105	99	93	87	81	105
	YEAR OF OCCURRENCE		1949	1989	1946	1987	1953	1952	1952	2000	1990	1963	2003	1998	AUG 2000
	MEAN OF EXTREME MAXS.	56	74.8	77.4	82.1	86.6	92.4	95.8	96.9	96.3	93.8	88.3	81.9	76.5	86.9
	NORMAL DAILY MINIMUM	30	39.5	42.4	49.2	54.8	62.8	69.2	71.8	71.7	67.6	56.3	47.8	41.6	56.2
	MEAN DAILY MINIMUM	56	40.6	43.8	49.4	56.7	64.5	70.6	72.9	72.6	68.6	57.5	48.3	42.7	57.3
	LOWEST DAILY MINIMUM	62	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.	56	22.2	25.8	32.1	41.5	52.1	62.4	68.5	67.4	56.7	41.0	31.4	24.9	43.8
	NORMAL DRY BULB	30	50.1	53.5	60.2	66.1	73.5	79.3	81.5	81.3	77.2	67.7	58.9	52.3	66.8
	MEAN DRY BULB	56	50.7	54.2	60.0	67.2	74.5	80.1	81.9	81.7	77.6	68.4	59.0	52.8	67.3
	MEAN WET BULB	20	46.3	49.8	54.4	60.3	67.7	72.8	75.1	74.6	70.7	61.5	54.8	48.6	61.4
	MEAN DEW POINT	20	41.3	44.5	49.4	55.6	64.0	70.1	72.6	72.2	67.6	57.2	50.4	44.0	57.4
NORMAL NO. DAYS WITH:															
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.2	3.0	15.5	22.2	21.3	10.4	0.7	0.0	0.0	73.3	
MAXIMUM ≤ 32°	30	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	
MINIMUM ≤ 32°	30	8.0	4.9	1.3	*	0.0	0.0	0.0	0.0	0.0	*	1.2	6.2	21.6	
MINIMUM ≤ 0°	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
H/C	NORMAL HEATING DEG. DAYS	30	455	326	182	57	4	0	0	0	2	51	208	396	1681
	NORMAL COOLING DEG. DAYS	30	9	11	45	106	282	445	527	520	384	151	41	18	2539
RH	NORMAL (PERCENT)	30	74	72	72	71	74	76	78	78	77	73	75	75	75
	HOUR 00 LST	30	81	81	82	84	86	87	88	89	87	84	84	82	85
	HOUR 06 LST	30	83	84	86	88	89	89	91	92	91	88	87	85	88
	HOUR 12 LST	30	61	57	55	52	55	58	61	60	60	54	58	62	58
	HOUR 18 LST	30	70	65	64	62	65	68	73	74	73	69	73	73	69
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH: HEAVY FOG (VISBY ≤ 1/4 MI)	62	6.0	4.6	5.4	4.7	2.7	1.1	1.0	1.4	1.9	2.8	4.2	4.8	40.6
	THUNDERSTORMS	62	2.2	2.3	5.0	4.7	7.2	12.1	17.7	14.3	7.1	2.3	2.3	2.2	79.4
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)	31	29.90	29.89	29.80	29.80	29.80	29.80	29.80	29.80	29.79	29.80	29.90	29.90	29.83
	MEAN SEA-LEVEL PRES. (IN)	20	30.13	30.11	30.05	30.02	29.99	30.01	30.04	30.01	30.00	30.07	30.11	30.15	30.06
WINDS	MEAN SPEED (MPH)	46	10.1	10.3	10.4	10.0	8.7	7.7	6.9	6.8	7.9	8.2	9.1	9.6	8.8
	PREVAIL. DIR (TENS OF DEGS)	29	36	36	14	15	18	18	22	04	04	04	36	36	36
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	7	43	34	39	33	30	45	37	40	51	40	38	43	51
	DIR. (TENS OF DEGS)		23	21	18	34	35	16	11	12	12	22	17	22	12
	YEAR OF OCCURRENCE		2001	1997	2001	2003	1998	2001	1999	1998	1998	2001	2000	2002	SEP 1998
MAXIMUM 5-SECOND:															
SPEED (MPH)	7	52	43	53	43	35	57	49	46	63	54	49	63	63	
DIR. (TENS OF DEGS)		22	22	24	34	19	34	06	12	12	21	18	22	22	
YEAR OF OCCURRENCE		2001	1998	1999	2003	2003	1998	1998	1998	1998	2001	2000	2002	DEC 2002	
PRECIPITATION	NORMAL (IN)	30	5.75	5.10	7.20	5.06	6.10	5.01	6.54	6.20	6.01	3.25	5.41	4.66	66.29
	MAXIMUM MONTHLY (IN)	62	16.92	11.89	15.58	17.69	15.08	20.66	19.29	15.19	24.13	13.20	13.65	11.38	24.13
	YEAR OF OCCURRENCE		1998	1983	1946	1955	1980	2003	1949	1984	1998	1985	1948	1953	SEP 1998
	MINIMUM MONTHLY (IN)	62	0.55	1.09	0.59	0.08	0.36	1.19	1.72	1.04	0.58	T	0.25	1.29	T
	YEAR OF OCCURRENCE		2003	1999	1967	1999	1996	1966	1983	1997	1963	1978	1960	1980	OCT 1978
	MAXIMUM IN 24 HOURS (IN)	62	8.34	5.37	10.57	13.36	8.86	7.38	10.07	6.62	10.06	5.65	7.02	7.46	13.36
	YEAR OF OCCURRENCE		1965	1981	1990	1955	1995	1961	1997	1969	1998	1985	1975	1995	APR 1955
	NORMAL NO. DAYS WITH:														
PRECIPITATION ≥ 0.01	30	10.9	8.8	9.6	7.5	9.0	11.1	15.1	13.6	10.4	5.4	8.6	9.5	119.5	
PRECIPITATION ≥ 1.00	30	1.7	1.6	2.5	1.7	1.8	1.6	2.0	2.2	1.6	1.1	1.6	1.5	20.9	
SNOWFALL	NORMAL (IN)	30	0.1	0.2	0.1	0.*	0.0	0.0	0.0	0.0	0.0	0.0	0.*	0.4	
	MAXIMUM MONTHLY (IN)	60	3.5	3.6	2.7	T	T	0.0	T	0.0	0.0	0.0	T	3.0	
	YEAR OF OCCURRENCE		1955	1973	1993	1988	1991		1995				1966	1963	FEB 1973
	MAXIMUM IN 24 HOURS (IN)	60	3.5	3.6	2.7	T	T	0.0	0.0	0.0	0.0	0.0	T	3.0	
	YEAR OF OCCURRENCE		1955	1973	1993	1988	1991		1995				1966	1963	FEB 1973
	MAXIMUM SNOW DEPTH (IN)	53	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	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) 2003 MOBILE, AL (MOB)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
1998	16.92	4.29	10.92	5.19	1.78	2.87	6.90	5.02	24.13	1.35	4.95	2.20	86.52
1999	5.19	1.09	9.44	0.08	4.71	7.58	4.30	2.87	4.41	4.75	3.05	3.43	50.90
2000	2.67	1.30	6.94	2.43	2.38	3.21	3.90	3.67	3.43	0.47	11.54	3.80	45.74
2001	4.08	2.70	11.04	0.88	1.52	6.20	8.55	9.49	2.59	3.53	1.24	2.83	54.65
2002	3.52	2.87	6.08	1.74	4.45	4.24	9.38	5.02	12.94	8.35	4.92	8.97	72.48
2003	0.55	5.57	4.30	3.59	9.51	20.66	9.48	5.17	1.57	3.04	3.70	3.79	70.93
POR= 133 YRS	4.95	5.05	6.69	4.99	4.88	5.65	7.48	6.52	5.52	3.24	3.88	5.09	63.94

WBAN : 13894

AVERAGE TEMPERATURE (°F) 2003 MOBILE, AL (MOB)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
1998	52.2	53.7	57.1	65.2	76.4	82.5	83.5	83.2	78.5	70.3	63.3	57.2	68.6
1999	55.3	57.3	58.6	70.8	73.7	79.1	81.4	84.4	76.0	68.6	60.0	51.6	68.1
2000	53.6	57.6	63.6	64.7	76.9	79.6	84.3	83.9	77.3	68.2	57.0	46.1	67.7
2001	47.2	58.3	56.9	69.6	74.5	79.1	81.6	80.7	76.0	65.1	63.9	55.1	67.3
2002	52.5	50.3	59.1	69.8	73.7	79.6	81.3	80.6	79.3	71.6	56.2	51.1	67.1
2003	46.2	53.7	62.0	67.9	77.3	80.0	81.1	82.0	77.6	69.2	63.3	49.9	67.5
POR= 131 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) 2003 MOBILE, AL (MOB)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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
1997-98	0	0	0	89	296	475	390	313	266	60	0	0	1889
1998-99	0	0	0	24	94	287	319	234	204	30	3	0	1195
1999-00	0	0	2	52	162	414	363	242	85	68	0	0	1388
2000-01	0	0	6	45	302	579	542	208	262	36	0	0	1980
2001-02	0	0	4	95	89	312	404	405	238	24	10	0	1581
2002-03	0	0	0	18	279	424	576	314	113	48	0	0	1772
2003-	0	0	1	16	143	459							

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COOLING DEGREE DAYS (base 65°F) 2003 MOBILE, AL (MOB)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
1998	0	0	31	73	359	531	581	569	412	196	49	52	2853
1999	24	25	11	212	280	432	516	611	340	173	19	3	2646
2000	16	32	48	69	377	446	607	592	383	151	67	0	2788
2001	1	27	16	177	303	427	524	492	338	104	62	12	2483
2002	26	0	60	176	285	444	513	488	435	230	22	0	2679
2003	0	5	23	143	386	459	504	536	388	153	100	0	2697

SNOWFALL (inches) 2003 MOBILE, AL (MOB)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1996-97						1.0							
1997-98													
1998-99				0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	
1999-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	T
2000-01	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
2001-02	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	T
2002-03	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
2003-	0.0	0.0	0.0	0.0	0.0	0.0							
POR= 59 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 (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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2003 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										AUTOMATED OBSERVING EQUIPMENT *	* TYPE	REMARKS
						GROUND												
						SEA LEVEL	WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING GAUGE	WINDHOLE	8 INCH RAIN GAGE	HYGROMETER				
*NOTE: <u>AIRPORT</u> Bates Field; 12 miles West of Post Office	2/20/50	02/01/96	2850' W	30°41'	88°15'	211	a22 i33	6 c	h26		e4 g26	d4 g26	4 f	b4 j5		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.		
Bates Field	02/01/96	Present	NA	30°41'	88°15'	k209								S		ASOS Commissioned 02/01/96 k. Ground Elevation		

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* NOTES: For earlier station history see previous edition.