

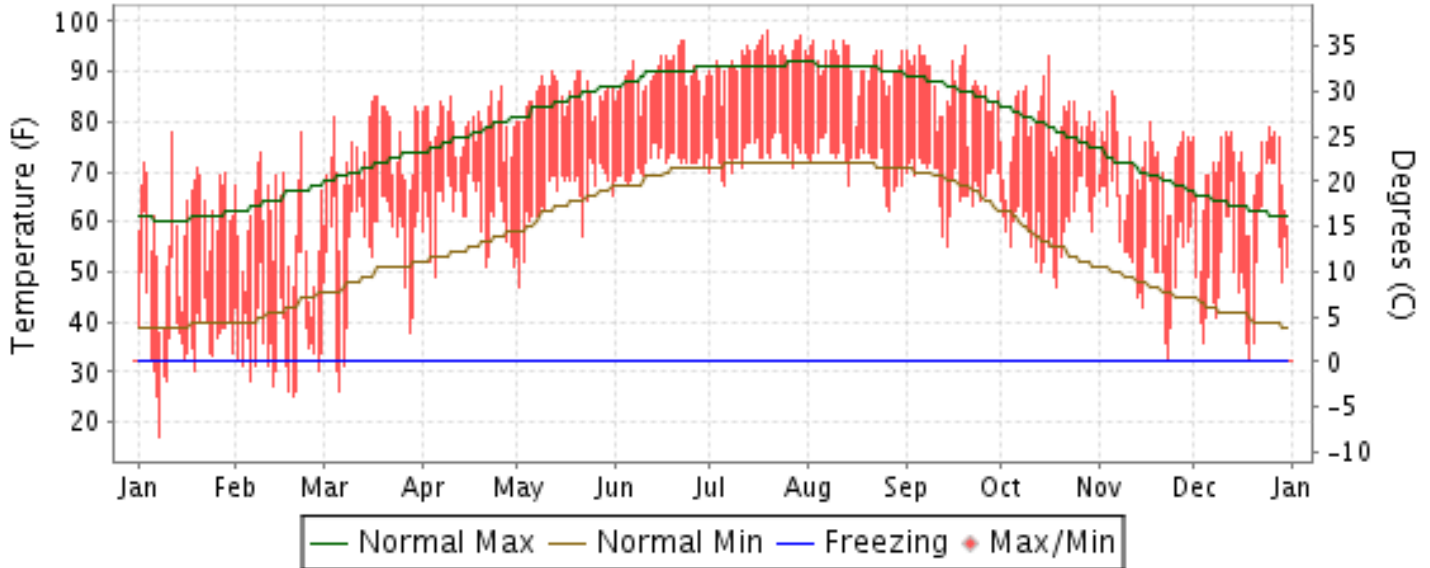


# 2015 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

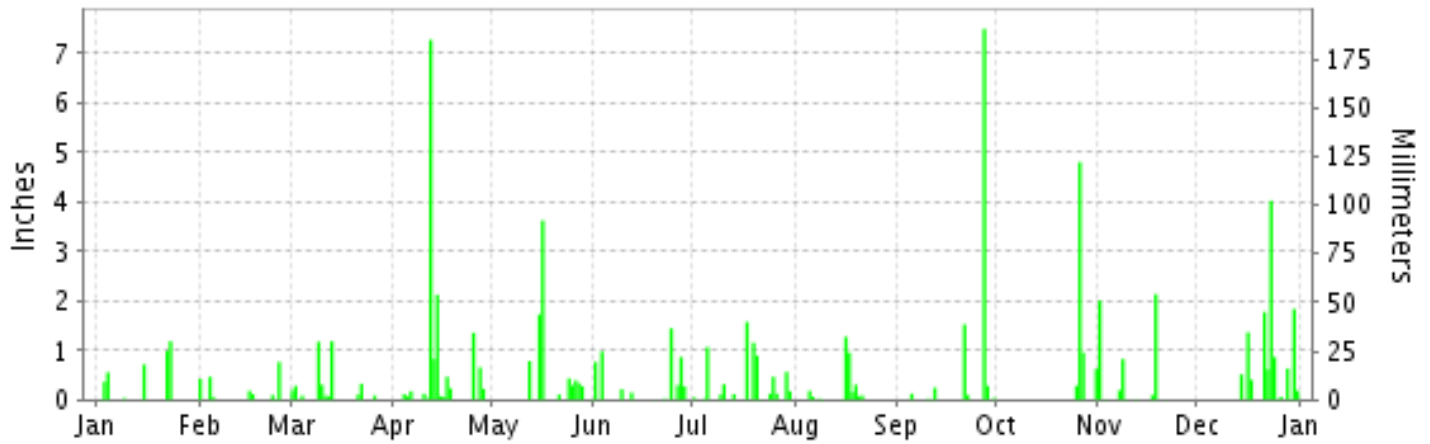
ISSN 0197-9507

## MOBILE, ALABAMA (KMOB)

### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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ENVIRONMENTAL INFORMATION (NCEI)  
ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NCEI

# METEOROLOGICAL DATA FOR 2015

## MOBILE (KMOB)

LATITUDE: 30° 41'N      LONGITUDE: 88° 14'W      ELEVATION (FT): GRND: 215 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	59.7	58.8	74.0	79.8	85.3	89.6	93.1	91.3	87.7	79.7	72.6	70.2	78.5	
	HIGHEST DAILY MAXIMUM	78	78	85	87	90	96	98	96	95	93	86	79	98	
	DATE OF OCCURRENCE	12	22	18+	26	21+	23+	19	12+	20+	16	05	25	JUL 19	
	MEAN DAILY MINIMUM	37.2	36.0	54.4	61.5	64.8	71.7	73.7	72.1	67.6	59.1	54.6	52.5	58.8	
	LOWEST DAILY MINIMUM	17	25	26	49	47	67	67	62	55	47	32	32	17	
	DATE OF OCCURRENCE	08	19	06	05	02	05	06	27	14	19	23	19	JAN 08	
	AVERAGE DRY BULB	48.5	47.4	64.2	70.7	75.1	80.6	83.4	81.7	77.6	69.4	63.6	61.3	68.6	
	MEAN WET BULB	43.7	42.8	59.1	65.8	68.9	74.2	76.5	74.8	71.1	63.4	59.5	58.5	63.2	
	MEAN DEW POINT	38.2	36.6	55.4	63.2	65.7	71.7	74.4	71.9	68.5	59.7	56.7	56.4	59.9	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	3	15	29	24	13	1	0	0	0	85
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINIMUM <= 32°	8	12	3	0	0	0	0	0	0	0	1	1	25	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	506	486	114	4	1	0	0	0	0	13	113	178	1415	
	COOLING DEGREE DAYS	3	1	96	179	321	478	578	524	383	158	80	71	2872	
RH	MEAN (PERCENT)	72	71	79	82	77	79	80	77	79	77	83	86	79	
	HOUR 00 LST	83	80	88	92	92	91	93	90	92	89	89	93	89	
	HOUR 06 LST	85	85	92	93	92	92	94	93	95	91	92	95	92	
	HOUR 12 LST	55	56	63	66	58	61	60	59	60	59	67	72	61	
	HOUR 18 LST	69	63	75	76	69	74	77	70	74	75	85	85	74	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	1	1	4	5	2	2	1	0	1	2	7	3	29	
	THUNDERSTORMS	0	1	0	8	9	11	15	7	5	1	5	63		
PR	MEAN STATION PRESS. (IN.)	29.97	29.91	29.88	29.75	29.87	29.79	29.78	29.75	29.74	29.77	29.88	29.84	29.83	
	MEAN SEA-LEVEL PRESS. (IN.)	30.21	30.15	30.12	29.98	30.10	30.02	30.01	29.98	29.97	30.00	30.12	30.08	30.06	
WINDS	RESULTANT SPEED (MPH)	3.4	3.2	1.2	2.2	3.3	2.2	2.4	0.4	2.5	2.6	3.9	2.7	1.0	
	RES. DIR. (TENS OF DEGS.)	01	36	13	15	13	18	24	34	04	04	06	13	08	
	MEAN SPEED (MPH)	8.0	9.0	7.8	7.1	6.5	5.7	5.3	5.8	5.7	7.5	8.0	8.5	7.1	
	PREVAIL.DIR.(TENS OF DEGS.)	36	35	14	15	14	14	22	36	04	35	36	14	35	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	26	29	31	35	30	37	40	28	24	38	32	36	40	
	DIR. (TENS OF DEGS.)	01	16	34	14	16	35	12	34	09	14	13	19	12	
	DATE OF OCCURRENCE	07	21	05	27	24	30	17	08	28	26	17	28	JUL 17	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	38	40	39	48	38	47	50	35	30	53	44	47	53	
DIR. (TENS OF DEGS.)	36	16	35	30	15	32	11	34	08	13	13	15	13		
DATE OF OCCURRENCE	07	21	05	25	24	30	17	08	28	26	17	28	OCT 26		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	3.89	2.16	3.96	13.90	8.05	5.06	6.84	3.21	9.88	6.69	5.35	12.38	81.37	
	GREATEST 24-HOUR (IN.)	2.18	0.77	1.42	7.71	3.64	1.45	2.06	2.03	7.76	4.85	2.24	4.55	7.76	
	DATE OF OCCURRENCE	22-23	25	09-10	12-13	16-17	24	19-20	16-17	27-28	26-27	17-18	22-23	SEP 27-28	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	7	8	11	15	11	10	15	11	9	4	9	13	123		
PRECIPITATION 0.10	5	6	7	11	9	8	12	5	6	4	5	10	88		
PRECIPITATION 1.00	1	0	2	3	2	1	3	1	2	1	2	4	22		
SNOWFALL	SNOW,ICE PELLETS,HAIL	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	
	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.)	09+												JAN 09+	
	DATE OF OCCURRENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
	MAXIMUM SNOW DEPTH (IN.)														
	DATE OF OCCURRENCE	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 (KMOB)

LATITUDE: 30° 41'N      LONGITUDE: 88° 14'W      ELEVATION (FT): GRND: 215 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	60.8	64.4	71.2	77.5	84.5	89.2	91.0	90.7	87.0	79.2	70.6	62.7	77.4
	MEAN DAILY MAXIMUM	68	61.0	64.3	69.9	77.9	84.8	89.8	91.0	90.8	86.9	79.4	69.9	63.2	77.4
	HIGHEST DAILY MAXIMUM	74	84	82	90	94	100	103	104	105	99	93	87	81	105
	YEAR OF OCCURRENCE		1949	1989	1946	1987	1953	2011	1952	2000	1990	2015	2003	1998	AUG 2000
	MEAN OF EXTREME MAXS.	68	75.2	77.3	82.2	86.6	92.4	96.1	96.8	96.4	93.6	88.6	81.8	76.8	87.0
	NORMAL DAILY MINIMUM	30	40.0	43.3	49.1	55.4	63.7	70.4	72.7	72.6	68.0	57.6	48.6	42.2	57.0
	MEAN DAILY MINIMUM	68	40.6	43.5	48.9	56.6	64.2	70.5	72.9	72.7	68.5	57.5	48.0	42.9	57.2
	LOWEST DAILY MINIMUM	74	3	11	21	32	43	49	60	59	42	30	22	8	3
	YEAR OF OCCURRENCE		1985	1996	1993	1987	2013	1984	1947	1956	1967	1993	1950	1983	JAN 1985
	MEAN OF EXTREME MINS.	68	22.2	25.8	32.0	41.1	51.5	62.6	68.4	67.2	56.7	40.9	31.1	25.3	43.7
	NORMAL DRY BULB	30	50.4	53.8	60.2	66.4	74.1	79.8	81.8	81.6	77.5	68.4	59.6	52.4	67.2
	MEAN DRY BULB	68	50.8	53.9	59.4	67.3	74.5	80.2	82.0	81.7	77.7	68.5	59.0	53.0	67.3
	MEAN WET BULB	32	44.3	47.2	52.7	59.0	66.1	71.8	73.9	73.8	69.8	60.3	52.5	47.5	59.9
	MEAN DEW POINT	32	42.8	45.3	51.0	57.1	64.8	70.8	73.2	72.9	68.6	58.9	51.1	45.7	58.5
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.1	3.0	13.0	20.0	19.5	9.0	0.5	0.0	0.0	65.1
	MAXIMUM <= 32	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	0.2
	MINIMUM <= 32	30	7.7	3.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	5.8	20.0
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	459	321	189	60	4	0	0	0	2	53	203	404	1695
	NORMAL COOLING DEG. DAYS	30	7	9	39	104	286	444	522	516	377	158	41	15	2518
RH	NORMAL (PERCENT)	30	74	72	72	71	74	76	78	78	77	73	75	75	75
	HOURLY 00 LST	30	81	81	83	84	86	87	89	89	87	85	84	82	85
	HOURLY 06 LST	30	83	85	86	88	89	89	91	92	91	88	87	85	88
	HOURLY 12 LST	30	61	57	55	53	55	58	61	61	60	54	58	62	58
	HOURLY 18 LST	30	70	65	65	62	65	65	68	73	74	69	73	73	69
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	52	5.6	4.3	6.0	4.5	3.2	1.2	1.3	1.7	1.7	3.2	4.5	4.9	42.1
	THUNDERSTORMS	68	2.3	2.5	4.5	4.7	7.1	12.1	17.8	14.5	7.2	2.2	2.2	2.4	79.5
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)	32	29.92	29.88	29.83	29.79	29.77	29.76	29.80	29.77	29.76	29.82	29.88	29.91	29.82
	MEAN SEA-LEVEL PRES. (IN)	32	30.16	30.11	30.06	30.02	30.00	29.99	30.03	30.00	29.99	30.05	30.12	30.15	30.06
WINDS	MEAN SPEED (MPH)	32	8.6	9.0	9.0	8.6	7.6	6.4	5.8	5.7	6.7	7.1	7.8	8.2	7.5
	PREVAIL.DIR.(TENS OF DEGS)	41	36	36	15	15	19	19	21	05	05	01	36	36	15
	MAXIMUM 2-MINUTE: SPEED (MPH)	19	43	36	39	44	36	45	41	66	59	40	41	43	66
	DIR. (TENS OF DEGS)		23	22	18	11	14	16	08	13	01	22	22	22	13
	YEAR OF OCCURRENCE		2001	2006	2001	2013	2013	2001	2008	2005	2004	2001	2006	2002	AUG 2005
	MAXIMUM 3-SECOND SPEED (MPH)	19	52	47	53	58	51	57	61	83	75	54	52	63	83
	DIR. (TENS OF DEGS)		22	23	24	35	14	34	34	12	02	21	21	22	12
YEAR OF OCCURRENCE		2001	2008	1999	2014	2013	1998	2011	2005	2004	2001	2006	2002	AUG 2005	
PRECIPITATION	NORMAL (IN)	30	5.65	5.12	6.14	4.79	5.14	6.11	7.25	6.96	5.11	3.69	5.13	5.06	66.15
	MAXIMUM MONTHLY (IN)	74	16.92	11.89	15.58	18.09	15.08	20.66	19.29	15.19	24.13	13.20	13.65	15.37	24.13
	YEAR OF OCCURRENCE		1998	1983	1946	2014	1980	2003	1949	1984	1998	1985	1948	2009	SEP 1998
	MINIMUM MONTHLY (IN)	74	0.55	1.09	0.24	0.08	0.36	1.19	1.72	1.04	0.58	T	0.25	1.29	0.08
	YEAR OF OCCURRENCE		2003	1999	2006	1999	1996	1966	1983	1997	1963	1978	1960	1980	APR 1999
	MAXIMUM IN 24 HOURS (IN)	74	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	9.9	8.7	8.6	7.0	8.1	11.8	14.7	13.4	8.8	6.9	7.9	9.1	114.9
	PRECIPITATION >= 1.00	30	1.8	1.5	2.1	1.4	1.6	2.0	2.2	2.3	1.5	1.3	1.6	1.6	20.9
SNOWFALL	NORMAL (IN)	30	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	MAXIMUM MONTHLY (IN)	72	3.5	3.6	2.7	T	T	T	T	0.0	0.0	0.0	T	3.0	3.6
	YEAR OF OCCURRENCE		1955	1973	1993	2007	1991	2006	1995				1966	1963	FEB 1973
	MAXIMUM IN 24 HOURS (IN)	72	3.5	3.6	2.7	T	T	T	T	0.0	0.0	0.0	T	3.0	3.6
	YEAR OF OCCURRENCE		1955	1973	1993	1988	1991	2006	1995				1966	1963	FEB 1973
	MAXIMUM SNOW DEPTH (IN)	65	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

**PRECIPITATION (inches) 2015 MOBILE (KMOB)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
2004	3.43	10.78	0.42	3.64	2.06	16.07	6.90	12.53	6.06	2.42	8.48	3.37	76.16
2005	2.40	3.85	5.28	16.62	2.75	7.33	16.23	11.01	2.34	0.21	2.22	3.59	73.83
2006	3.15	3.94	0.24	3.37	1.28	2.91	4.76	7.88	3.13	5.63	9.10	3.96	49.35
2007	3.60	1.56	0.99	6.61	2.05	2.27	11.81	3.28	6.52	4.95	3.55	8.06	55.25
2008	6.86	3.95	2.65	10.47	4.55	4.86	6.11	14.56	4.05	3.05	3.62	4.37	69.10
2009	3.54	3.81	12.34	1.73	5.29	2.45	5.68	10.18	6.69	4.91	4.48	15.37	76.47
2010	11.03	5.51	4.06	1.72	8.98	3.45	4.42	7.25	2.06	4.08	5.92	1.39	59.87
2011	3.38	2.94	4.74	1.02	0.42	1.85	8.92	6.49	15.80	0.09	2.89	1.88	50.42
2012	2.24	7.25	6.69	2.51	7.82	13.50	6.74	13.12	4.13	0.19	1.43	3.48	69.10
2013	2.87	11.31	0.80	5.48	7.99	4.20	9.10	9.95	4.59	2.19	3.43	7.37	69.28
2014	2.92	4.20	6.50	18.09	9.79	5.15	7.92	2.83	5.53	3.03	1.48	5.27	72.71
2015	3.89	2.16	3.96	13.90	8.05	5.06	6.84	3.21	9.88	6.69	5.35	12.38	81.37

POR= 68 YRS	4.91	4.99	6.24	5.42	5.35	5.65	7.78	6.92	6.07	3.08	4.32	5.36	66.09
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WBAN : 13894

**AVERAGE TEMPERATURE (°F) 2015 MOBILE (KMOB)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
2004	51.0	51.2	64.2	65.8	75.1	80.2	82.7	80.2	78.5	74.2	62.7	50.7	68.0
2005	55.1	56.7	58.9	64.5	73.1	79.2	82.2	82.1	81.0	68.0	61.0	50.6	67.7
2006	56.0	52.8	62.4	70.9	74.1	80.7	81.8	82.8	76.5	67.7	57.0	53.8	68.0
2007	51.5	51.4	62.9	64.5	73.1	80.1	81.0	84.2	78.6	70.0	58.9	57.1	67.8
2008	49.2	55.6	59.0	66.0	73.9	80.0	81.7	80.2	77.1	66.1	56.7	56.5	66.8
2009	52.4	54.5	62.6	66.2	75.4	82.5	82.1	80.0	79.0	69.0	57.6	50.4	67.6
2010	46.1	45.6	55.2	67.2	76.8	82.6	83.5	83.9	79.4	68.4	60.5	47.2	66.4
2011	48.1	54.2	63.1	70.5	74.1	84.3	83.5	84.5	75.6	65.0	60.1	55.3	68.2
2012	56.8	58.3	68.4	69.2	76.6	79.8	81.8	80.9	77.1	67.0	56.6	55.9	69.0
2013	55.6	55.3	55.3	65.8	71.1	80.9	80.3	80.8	79.8	70.3	56.9	53.0	67.1
2014	42.6	53.2	55.9	65.9	71.7	78.5	79.8	82.0	78.5	67.8	53.2	54.6	65.3
2015	48.5	47.4	64.2	70.7	75.1	80.6	83.4	81.7	77.6	69.4	63.6	61.3	68.6

POR= 68 YRS	50.8	53.9	59.4	67.3	74.5	80.2	82.0	81.7	77.7	68.5	59.0	53.0	67.3
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**HEATING DEGREE DAYS (base 65°F) 2015 MOBILE (KMOB)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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
2003-04	0	0	1	16	143	459	444	395	87	66	9	0	1620
2004-05	0	0	0	10	124	449	312	241	205	54	5	0	1400
2005-06	0	0	0	70	180	448	285	339	145	1	2	0	1470
2006-07	0	0	0	63	254	341	419	377	121	99	0	0	1674
2007-08	0	0	0	50	202	280	495	283	202	67	0	0	1579
2008-09	0	0	0	87	265	302	395	295	113	60	1	0	1518
2009-10	0	0	0	81	217	446	577	536	304	18	0	0	2179
2010-11	0	0	0	24	175	543	516	329	106	23	13	0	1729
2011-12	0	0	0	92	198	308	275	206	39	17	0	0	1135
2012-13	0	0	0	55	258	288	310	265	310	60	28	0	1574
2013-	0	0	0	30	254	394							
2013-14	0	0	0	30	254	394	687	338	276	68	10	0	2057
2014-15	0	0	0	40	353	317	506	486	114	4	1	0	1821
2015-	0	0	0	13	113	178							

WBAN : 13894

**COOLING DEGREE DAYS (base 65°F) 2015 MOBILE (KMOB)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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
2004	18	0	69	97	329	460	556	479	414	306	62	10	2800
2005	10	16	24	46	265	432	538	536	486	172	66	8	2599
2006	15	6	70	187	293	479	530	558	350	151	22	1	2662
2007	9	0	62	91	258	462	504	602	414	213	24	41	2680
2008	8	16	25	101	283	459	523	480	371	128	21	47	2462
2009	11	8	43	101	333	530	536	473	426	212	3	4	2680
2010	1	0	6	91	374	534	580	593	440	136	44	1	2800
2011	0	32	55	196	302	587	580	613	325	98	56	13	2857
2012	27	18	150	148	363	451	527	499	371	128	15	15	2712
2013	26	1	17	93	227	486	482	498	450	200	15	27	2522
2014	0	12	1	102	223	410	463	537	414	134	8	3	2307
2015	3	1	96	179	321	478	578	524	383	158	80	71	2872

**SNOWFALL (inches) 2015 MOBILE (KMOB)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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							
1997-98													
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
2003-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
2004-05	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T	0.0	0.0	T
2005-06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T
2006-07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	T
2007-08	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
2008-09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T
2009-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3
2010-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
2011-12	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
2012-13	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
2013-	0.0	0.0	0.0	0.0	0.0	0.0							
2013-14	0.0	0.0	0.0	0.0	0.0	0.0	1.3	T	0.0	0.0	0.0	0.0	1.3
2014-15	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
2015-	0.0	0.0	0.0	0.0	0.0	0.0							
POR= 65 YRS	T	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	T	T	T	0.4

WBAN : 13894

**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. 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 CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.</p> <p>GENERAL CONTINUED: 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</p>	<p>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. 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. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED STATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS: <a href="http://www.ncdc.noaa.gov/homr/">http://www.ncdc.noaa.gov/homr/</a> SNOWFALL STOPPED MONTH &amp; YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p><b>NOTE:</b> The "Period of Record:(POR)" for all "averages" is based on "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p>
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# 2015 MOBILE ALABAMA (KMOB)

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 History

MOBILE, AL

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
MOBILE REGIONAL AP	1942-01-01	1948-06-01	30° 40'	-88° 13'			AIRWAYS
MOBILE	1933-04-01	1934-11-06	30° 37'	-88° 4'			AIRWAYS
MOBILE REGIONAL AP	1950-01-01	1973-01-01	30° 40'	-88° 15'	211		AIRWAYS, COOP
MOBILE REGIONAL AP	1996-02-01	2011-04-15	30° 41'	-88° 14'	215	.5 MI NW	ASOS, COOP, UPPERAIR
MOBILE REGIONAL AP	1948-06-01	1950-01-01	30° 40'	-88° 13'	217		AIRWAYS, COOP
MOBILE REGIONAL AP	1975-09-01	1996-02-01	30° 40'	-88° 15'	211		COOP, UPPERAIR, WXSVC
MOBILE REGIONAL AP	1973-01-01	1975-09-01	30° 40'	-88° 15'	211		COOP, WXSVC
MOBILE REGIONAL AP	2011-04-15	Present	30° 41'	-88° 14'	215		ASOS, COOP, UPPERAIR

# Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	2007-03-05	Present	DAILY	2400	HYGR		
PRECIP	1952-06-01	1986-10-01	DAILY	2400			
PRECIP	1998-10-07	2007-03-05	DAILY	2400	TB	RCRD	
TEMP	1952-06-01	1986-10-01	DAILY	2400			
PRECIP	1986-10-01	1996-02-01	DAILY	2400	UNIV	RCRD	
PRECIP	1996-02-01	1998-10-07	HOURLY	2400	TB	RCRD	
TEMP	1998-10-07	2007-03-05	DAILY	2400	HYGR		
PRECIP	1986-10-01	1996-02-01	HOURLY	2400	UNIV	RCRD	
TEMP	1996-02-01	1998-10-07	DAILY	2400			
PRECIP	1996-02-01	1998-10-07	DAILY	2400	TB	RCRD	
WIND	1998-10-07	2007-03-05	HOURLY	UNKN	ANEMCUP		
TEMP	1934-11-06	1952-06-01	DAILY	2400			
PRECIP	1952-06-01	1986-10-01	HOURLY	2400			
WIND	2007-03-05	Present	HOURLY	UNKN	ANEMSONIC		
TEMP	1986-10-01	1996-02-01	DAILY	2400	HYGR		
PRECIP	2007-03-05	Present	HOURLY	2400	TB	RCRD	
PRECIP	1934-11-06	1952-06-01	DAILY	2400			
WIND	1996-02-01	1998-10-07	HOURLY	UNKN	ANEMCUP		
PRECIP	1998-10-07	2007-03-05	HOURLY	2400	TB	RCRD	
PRECIP	2007-03-05	Present	DAILY	2400	TB	RCRD	

\* For explanation of codes and abbreviations see Station Metadata link below.

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : [ncdc.orders@noaa.gov](mailto:ncdc.orders@noaa.gov)

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