

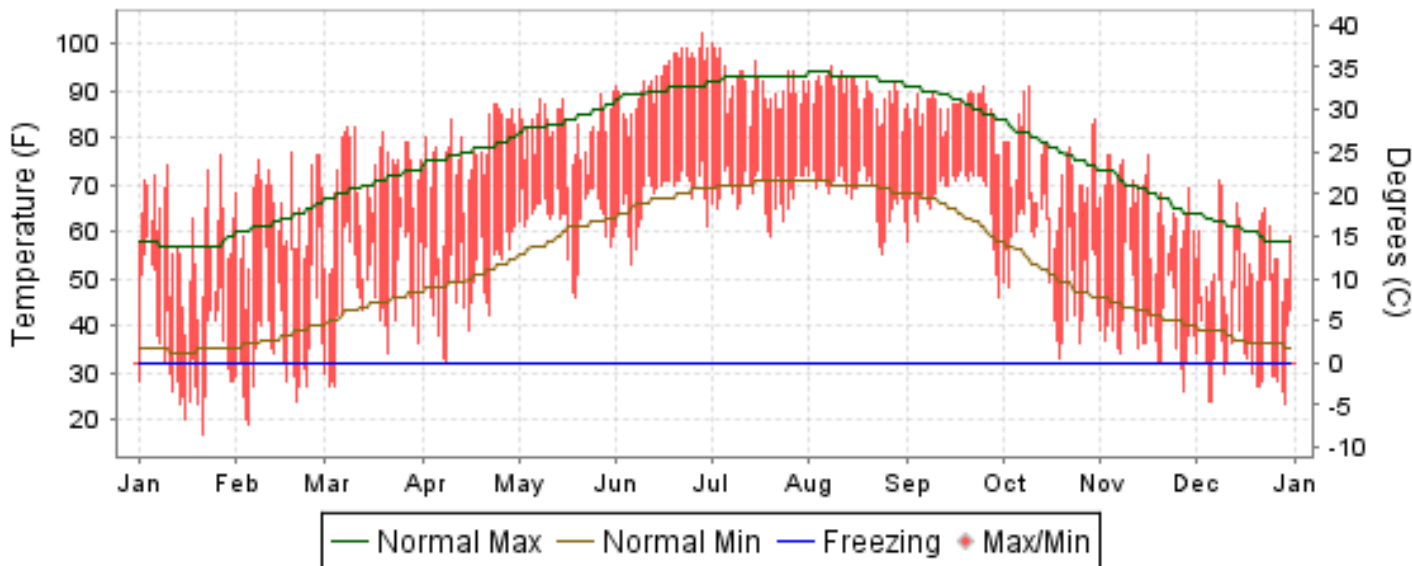


# 2009 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

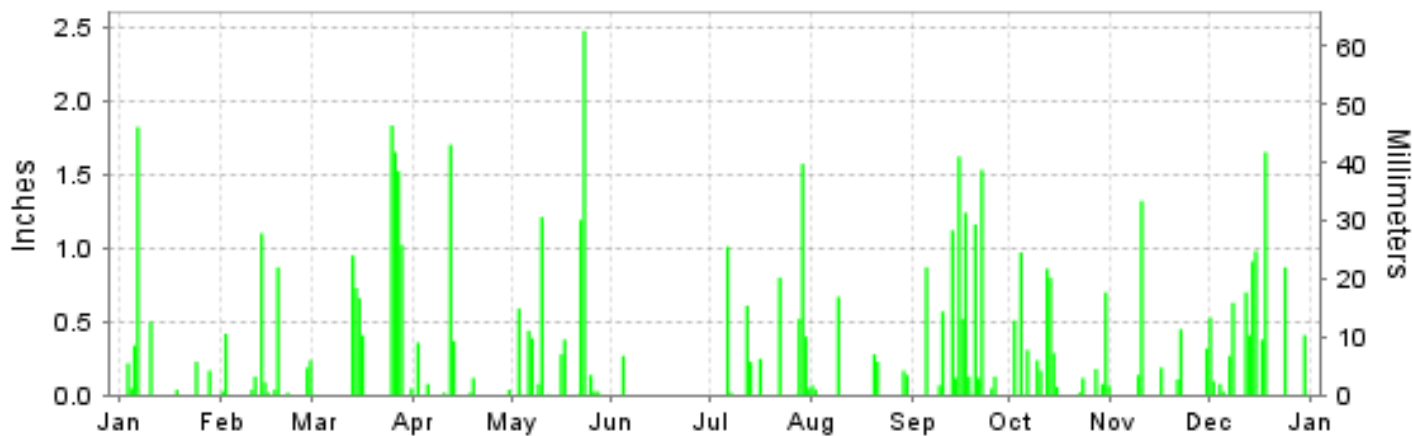
ISSN 0198-2818

## MERIDIAN, MISSISSIPPI (KMEI)

### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER.

NATIONAL  
OCEANIC AND  
ATMOSPHERIC ADMINISTRATION

NATIONAL  
ENVIRONMENTAL SATELLITE, DATA  
AND INFORMATION SERVICE

NATIONAL  
CLIMATIC DATA CENTER  
ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2009

## MERIDIAN (KMEI)

LATITUDE: 32° 19'N      LONGITUDE: -88° 45'W      ELEVATION (FT): GRND: 290    BARO: 292      TIME ZONE: CENTRAL (UTC -6)      WBAN: 13865

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	59.0	64.6	70.9	76.9	81.9	93.1	91.2	89.8	86.1	73.4	66.3	54.6	75.7	
	HIGHEST DAILY MAXIMUM	76	77	82	87	90	102	100	95	91	91	76	71	102	
	DATE OF OCCURRENCE	27	18	10+	24+	31	28	01	08	25	09	16+	08	JUN 28	
	MEAN DAILY MINIMUM	35.1	36.1	46.3	49.5	62.5	67.4	68.4	67.9	67.1	52.6	39.9	35.3	52.3	
	LOWEST DAILY MINIMUM	17	19	27	32	46	53	59	55	46	33	26	23	17	
	DATE OF OCCURRENCE	21	05	04+	08	19	06	20	24	30	19	27	29	JAN 21	
	AVERAGE DRY BULB	47.1	50.4	58.6	63.2	72.2	80.3	79.8	78.9	76.6	63.0	53.1	45.0	64.0	
	MEAN WET BULB	42.4	45.0	52.9	57.0	67.1	72.0	72.0	72.0	71.0	59.5	48.5	41.5		
	MEAN DEW POINT	37.0	38.5	47.6	52.0	64.6	68.7	68.5	69.1	68.9	57.3	45.0	37.6	54.6	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	1	23	18	19	2	2	0	0	65	
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	
	MINIMUM <= 32°	16	13	4	1	0	0	0	0	0	0	5	14	53	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	550	408	222	114	11	0	0	0	5	139	352	613	2414	
	COOLING DEGREE DAYS	0	6	32	67	241	465	464	435	362	85	0	0	2157	
RH	MEAN (PERCENT)	74	69	73	71	81	72	75	78	83	84	80	79	77	
	HOUR 00 LST	85	82	86	87	93	92	91	94	94	94	94	87	90	
	HOUR 06 LST	86	87	90	91	93	94	94	95	97	94	95	89	92	
	HOUR 12 LST	56	50	55	49	65	49	53	57	64	67	54	64	57	
	HOUR 18 LST	71	57	58	59	72	54	63	64	81	88	85	80	69	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	4	3	3	5	2	0	2	4	5	1	3	3	35	
	THUNDERSTORMS	3	3	4	5	9	1	4	6	7	2	0	1	45	
CLOUDNESS	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.)	29.80	29.85	29.77	29.68	29.65	29.58	29.66	29.70	29.65	29.68	29.77	29.76	29.71	
	MEAN SEA-LEVEL PRESS. (IN.)	30.13	30.18	30.10	30.01	29.98	29.89	29.98	30.02	29.98	30.01	30.10	30.09	30.04	
WINDS	RESULTANT SPEED (MPH)	1.4	2.1	1.1	2.7	1.2	1.1	1.6	0.2	1.2	0.2	1.7	0.8	0.5	
	RES. DIR. (TENS OF DEGS.)	25	21	19	20	14	26	25	04	11	11	01	01	22	
	MEAN SPEED (MPH)	6.2	7.4	6.8	7.3	6.1	3.6	4.2	3.7	4.2	5.3	4.1	6.1	5.4	
	PREVAIL.DIR.(TENS OF DEGS.)	19	19	18	19	19	19	19	19	18	34	36	36	19	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	30	31	30	36	33	23	32	26	29	35	29	31	36	
	DIR. (TENS OF DEGS.)	19	20	26	11	20	30	22	29	20	27	03	13	11	
	DATE OF OCCURRENCE	06	11	28	12	15	28	28	01	22	09	10	24	APR 12	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	39	41	55	56	43	31	49	39	36	48	43	41	56	
DIR. (TENS OF DEGS.)	20	20	21	11	21	30	22	34	19	28	02	13	11		
DATE OF OCCURRENCE	06	11	16	12	15	28	28	21	22	09	10	24	APR 12		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	3.37	3.19	8.83	2.71	7.27	0.27	5.47	1.60	9.26	5.39	2.53	7.96	57.85	
	GREATEST 24-HOUR (IN.)	1.82	1.19	2.76	1.82	2.47	0.27	1.73	0.67	1.62	1.09	1.46	2.03	2.76	
	DATE OF OCCURRENCE	06	13-14	25-26	12-13	23	04	29-30	09	15	13-14	09-10	17-18	MAR 25-26	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	8	12	10	8	16	1	11	7	15	16	6	15	125	
PRECIPITATION 0.10	6	6	8	4	9	1	8	5	12	11	6	12	88		
PRECIPITATION 1.00	1	1	4	1	3	0	2	0	5	0	1	1	19		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)														
	GREATEST 24-HOUR (IN.)														
	DATE OF OCCURRENCE														
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0															

# NORMALS, MEANS, AND EXTREMES MERIDIAN (KMEI)

LATITUDE: 32 ° 19'N      LONGITUDE: -88 ° 45'W      ELEVATION (FT): GRND: 290    BARO: 292      TIME ZONE: CENTRAL (UTC -6)      WBAN: 13865

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	57.5	62.6	70.3	77.1	83.9	90.1	92.9	92.9	88.0	78.3	68.5	60.5	76.9
	MEAN DAILY MAXIMUM	65	57.5	61.6	69.4	77.3	84.1	90.0	92.3	92.1	86.9	78.0	67.7	59.8	76.4
	HIGHEST DAILY MAXIMUM	64	83	85	90	95	99	104	107	106	105	97	87	84	107
	YEAR OF OCCURRENCE		1950	1982	1974	1987	1951	1988	1980	2000	1990	1954	2005	1998	JUL 1980
	MEAN OF EXTREME MAXS.	65	75.0	78.2	83.7	87.6	92.3	96.6	98.3	97.8	94.8	89.0	82.0	76.0	87.6
	NORMAL DAILY MINIMUM	30	34.7	37.7	44.3	50.4	59.5	66.8	70.5	69.8	64.2	51.3	42.8	37.2	52.4
	MEAN DAILY MINIMUM	65	34.9	37.3	43.8	51.1	59.5	66.5	70.1	69.3	63.8	51.1	41.7	36.4	52.1
	LOWEST DAILY MINIMUM	64	0	8	15	28	38	42	55	51	34	24	16	2	0
	YEAR OF OCCURRENCE		1962	1996	1980	1987	1971	1984	1967	2004	1967	1952	1976	1989	JAN 1962
	MEAN OF EXTREME MINS.	65	17.0	20.7	26.9	34.6	44.9	55.5	63.3	61.4	49.4	34.2	25.5	19.6	37.8
	NORMAL DRY BULB	30	46.1	50.2	57.3	63.8	71.7	78.5	81.7	81.4	76.1	64.8	55.7	48.9	64.7
	MEAN DRY BULB	65	46.2	49.4	56.6	64.2	71.8	78.4	81.2	80.7	75.4	64.6	54.7	48.1	64.3
	MEAN WET BULB	26	41.2	44.4	50.1	56.7	64.8	70.5	73.2	72.8	68.0	58.4	49.7	43.3	57.8
	MEAN DEW POINT	26	37.8	40.8	46.2	53.4	62.1	68.4	71.6	70.9	65.7	55.7	46.7	40.1	55.0
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	*	0.3	4.2	16.4	24.4	24.2	12.9	1.0	0.0	0.0	83.4
	MAXIMUM <= 32	30	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8
MINIMUM <= 32	30	15.1	10.0	4.1	0.5	0.0	0.0	0.0	0.0	0.0	0.4	6.1	12.8	49.0	
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	598	434	274	111	14	0	0	0	6	106	303	506	2352
	NORMAL COOLING DEG. DAYS	30	4	6	26	70	213	400	509	495	331	91	20	8	2173
RH	NORMAL (PERCENT)	30	74	72	70	72	74	75	77	76	75	75	75	75	74
	HOURLY 00 LST	30	83	82	82	87	89	90	91	91	89	89	87	83	87
	HOURLY 06 LST	30	86	86	88	91	92	91	93	93	92	91	89	86	90
	HOURLY 12 LST	30	61	56	53	51	55	56	58	55	55	51	55	59	55
	HOURLY 18 LST	30	69	60	56	55	60	63	67	65	68	73	73	71	65
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH: HEAVY FOG (VISIB <= 1/4 MI)	46	3.0	2.4	2.8	3.1	2.7	2.0	2.5	2.6	2.3	3.1	4.1	3.5	34.1
	THUNDERSTORMS	62	1.8	2.7	4.8	5.2	5.8	7.5	11.3	8.3	3.8	1.7	2.2	1.9	57.0
CLOUDNESS	MEAN: SUNRISE-SUNSET (OKTAS)	50	5.4	5.1	5.0	4.6	4.6	4.5	4.8	4.2	4.3	3.6	4.4	4.9	4.6
	MIDNIGHT-MIDNIGHT (OKTAS)	31	4.9	4.7	4.7	4.2	4.3	4.0	4.3	3.9	3.9	3.4	4.1	4.7	4.3
	MEAN NO. DAYS WITH: CLEAR	50	7.4	7.4	8.3	9.2	8.5	8.0	5.7	9.5	10.5	14.2	10.2	8.7	107.6
	PARTLY CLOUDY	50	6.5	6.3	7.4	8.1	10.6	12.8	15.3	13.0	9.1	7.2	7.1	6.7	110.1
	CLOUDY	50	17.1	14.5	15.4	12.7	11.9	9.2	10.0	8.6	10.8	9.7	12.7	15.6	148.2
PR	MEAN STATION PRESSURE (IN)	26	29.83	29.79	29.73	29.69	29.67	29.67	29.70	29.69	29.69	29.75	29.80	29.83	29.74
	MEAN SEA-LEVEL PRES. (IN)	26	30.19	30.12	30.06	30.02	30.00	29.99	30.02	30.01	30.01	30.08	30.13	30.16	30.07
WINDS	MEAN SPEED (MPH)	26	7.0	7.5	7.5	6.9	6.0	5.0	4.7	4.5	5.3	5.3	6.0	6.6	6.0
	PREVAIL. DIR. (TENS OF DEGS)	35	19	19	19	20	20	21	20	20	36	36	36	36	20
	MAXIMUM 2-MINUTE: SPEED (MPH)	14	41	39	41	48	33	36	51	41	43	39	37	37	51
	DIR. (TENS OF DEGS)		33	05	18	19	20	31	04	03	01	18	19	21	04
	YEAR OF OCCURRENCE		2002	2004	2006	1996	2009	1998	2002	2008	2004	2006	2001	2004	JUL 2002
	MAXIMUM 3-SECOND SPEED (MPH)	14	58	55	55	57	45	52	67	53	54	48	47	48	67
	DIR. (TENS OF DEGS)		32	31	21	18	33	29	04	04	36	28	23	08	04
	YEAR OF OCCURRENCE		2002	2008	2009	1996	2003	2008	2002	2008	2004	2009	2003	2002	JUL 2002
PRECIPITATION	NORMAL (IN)	30	5.92	5.35	6.93	5.62	4.87	3.99	5.45	3.34	3.64	3.28	4.95	5.31	58.65
	MAXIMUM MONTHLY (IN)	64	13.19	15.95	16.47	16.82	9.79	10.98	15.29	10.28	10.78	10.65	13.93	14.79	16.82
	YEAR OF OCCURRENCE		1998	1990	1976	1964	1980	2004	1959	1992	2002	1970	1948	1973	APR 1964
	MINIMUM MONTHLY (IN)	64	1.21	1.46	0.52	0.91	0.27	1.06	0.72	0.72	0.10	0.00	0.38	1.10	0.00
	YEAR OF OCCURRENCE		1986	2000	2007	1987	1951	2009	2000	1989	1982	1963	1956	1980	OCT 1963
	MAXIMUM IN 24 HOURS (IN)	64	5.74	9.23	7.00	6.36	5.84	3.12	6.95	5.29	5.21	6.04	4.93	8.13	9.23
	YEAR OF OCCURRENCE		1987	1990	1979	1964	1952	1992	1959	1992	1988	1970	2001	1973	FEB 1990
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	11.1	9.0	10.1	8.9	9.1	9.3	11.3	8.6	7.8	6.2	8.4	10.0	109.8
	PRECIPITATION >= 1.00	30	1.7	1.8	2.4	2.1	1.8	1.0	1.6	0.9	1.0	1.1	1.8	1.7	18.9
SNOWFALL	NORMAL (IN)	30	0.4	0.*	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.*	0.*	0.7
	MAXIMUM MONTHLY (IN)	51	5.8	3.1	5.7	2.7	T	0.0	T	0.0	0.0	0.0	T	17.6	17.6
	YEAR OF OCCURRENCE		1948	1960	1993	1987	1991		1989				1976	1963	DEC 1963
	MAXIMUM IN 24 HOURS (IN)	51	4.7	3.1	5.7	2.7	T	0.0	T	0.0	0.0	0.0	T	15.0	15.0
	YEAR OF OCCURRENCE		1948	1960	1993	1987	1991		1989				1976	1963	DEC 1963
	MAXIMUM SNOW DEPTH (IN)	48	15	10	6	1	0	0	0	0	0	0	0	4	15
	YEAR OF OCCURRENCE		1964	1963	1993	1987								1963	JAN 1964
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	

**PRECIPITATION (inches) 2009 MERIDIAN (KMEI)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1980	7.49	3.39	13.87	10.21	9.79	3.30	4.03	1.15	3.62	6.80	3.72	1.10	68.47
1981	1.59	4.65	11.81	1.18	3.66	2.55	3.15	2.21	0.98	3.30	2.60	5.79	43.47
1982	3.16	6.73	4.50	6.52	2.57	4.53	10.18	3.90	0.10	1.69	9.82	9.08	62.78
1983	4.54	9.44	6.62	10.33	7.85	6.71	2.33	3.16	3.45	0.97	8.67	6.62	70.69
1984	2.86	4.83	3.92	5.58	5.06	1.64	6.20	4.83	0.81	9.43	4.87	3.58	53.61
1985	2.45	6.84	3.10	4.57	1.83	2.76	5.29	7.41	5.41	7.46	0.81	4.33	52.26
1986	1.21	2.19	3.67	1.65	7.34	2.21	3.63	5.52	2.54	5.02	10.24	4.16	49.38
1987	8.76	11.33	3.96	0.91	5.73	7.60	1.25	2.69	4.41	0.01	4.05	4.49	55.19
1988	3.14	3.80	4.96	6.33	1.12	0.87	4.62	3.48	9.32	4.29	7.56	7.47	56.96
1989	3.94	3.07	9.82	3.01	7.37	8.91	11.08	0.72	7.10	2.68	5.97	6.68	70.35
1990	11.23	15.95	6.83	4.72	3.77	4.00	3.20	1.61	1.72	0.74	5.14	3.65	62.56
1991	5.78	7.41	6.52	11.78	9.02	3.57	3.80	6.65	6.04	1.13	5.03	6.83	73.56
1992	5.06	5.98	4.30	5.48	1.66	7.48	5.62	10.28	0.89	2.07	10.68	5.94	65.44
1993	11.37	3.11	7.30	4.20	2.91	3.50	2.80	3.52	1.75	5.67	5.01	3.29	54.43
1994	8.25	6.46	6.24	5.43	3.99	5.98	10.62	1.69	2.27	4.76	2.87	6.91	65.47
1995	3.60	3.80	5.24	7.71	5.85	2.29	1.89	4.91	1.44	7.17	4.84	4.83	53.57
1996	5.19	4.12	8.61	4.55	3.12	1.76	9.33	3.75	4.01	2.14	3.45	2.70	52.73
1997	4.44	6.12	3.73	7.82	8.24	5.15	4.84	1.32	1.94	3.68	3.02	4.69	54.99
1998	13.19	5.72	4.22	4.24	1.10	5.33	6.61	3.82	2.40	0.77	3.54	3.82	54.76
1999	7.78	2.34	6.06	1.42	3.80	3.42	2.91	1.39	2.35	4.25	0.65	3.61	39.98
2000	3.11	1.46	3.82	4.45	3.53	4.21	1.06	1.79	3.50	1.39	6.16	4.04	38.52
2001	5.98	4.26	7.92	4.51	4.00	6.39	3.45	9.32	6.14	5.32	6.40	5.33	69.02
2002	5.96	2.84	4.54	1.56	1.95	2.81	4.31	2.34	10.78	10.31	3.34	8.22	58.96
2003	1.58	6.78	3.71	10.25	6.01	10.94	10.05	7.52	1.98	4.90	5.62	2.63	71.97
2004	3.04	7.99	1.97	3.21	4.01	10.98	6.00	2.63	3.47	6.51	10.59	4.15	64.55
2005	3.94	6.67	6.58	5.95	2.64	3.63	9.62	2.23	3.35	0.03	2.39	3.36	50.39
2006	5.06	6.78	5.43	3.73	6.99	0.35	3.79	2.58	1.22	5.28	2.24	5.05	48.50
2007	3.23	2.53	0.52	3.28	2.66	2.96	6.60	3.17	1.95	3.46	1.94	3.16	35.46
2008	6.49	7.11	2.44	3.42	5.50	2.66	2.02	9.35	2.13	1.20	3.20	8.15	53.67
2009	3.37	3.19	8.83	2.71	7.27	0.27	5.47	1.60	9.26	5.39	2.53	7.96	57.85
POR= 65 YRS	5.19	5.19	6.23	5.20	4.41	3.94	5.30	3.73	3.58	3.03	4.32	5.39	55.51

WBAN : 13865

**AVERAGE TEMPERATURE (°F) 2009 MERIDIAN (KMEI)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1980	49.0	46.8	54.7	62.4	72.3	79.0	84.5	83.6	81.1	61.7	54.1	47.4	64.7
1981	43.0	50.7	55.8	70.0	70.0	82.1	84.6	83.4	74.2	64.9	58.5	47.4	65.4
1982	48.2	51.2	61.5	63.6	73.6	79.2	82.3	82.0	75.1	66.9	58.8	56.7	66.6
1983	44.9	48.2	53.9	59.7	69.6	74.8	80.4	81.1	72.3	64.2	53.4	43.8	62.2
1984	40.1	47.9	54.2	60.8	67.9	75.0	78.0	79.5	74.5	71.5	54.5	57.3	63.4
1985	40.2	47.5	62.2	65.5	72.2	79.2	80.7	79.9	74.1	68.4	61.2	42.6	64.5
1986	44.0	52.4	56.5	62.8	72.5	79.6	83.2	79.7	78.3	65.1	59.4	46.5	65.0
1987	44.0	51.0	56.7	62.7	74.8	77.6	81.5	82.0	74.5	58.3	56.0	52.8	64.3
1988	41.7	46.9	55.0	64.5	68.7	78.3	80.1	81.6	76.2	59.7	58.5	48.3	63.3
1989	52.2	49.0	58.1	62.3	70.4	78.1	80.6	80.9	74.6	62.9	56.2	40.1	63.8
1990	50.9	56.6	60.5	63.9	71.7	79.9	81.0	82.5	78.6	64.4	58.1	53.0	66.8
1991	47.2	52.3	59.0	68.3	76.0	79.1	82.1	80.9	76.4	66.9	51.7	51.9	66.0
1992	45.8	53.5	57.1	64.1	70.7	77.9	82.3	78.8	76.4	64.7	53.5	49.9	64.6
1993	50.4	49.1	53.5	60.7	70.8	80.2	83.5	83.5	76.5	64.7	54.1	48.0	64.6
1994	43.0	51.5	57.9	68.1	71.9	81.1	80.5	80.9	75.7	67.0	60.4	52.7	65.9
1995	48.2	50.5	60.2	66.3	75.0	77.9	82.2	82.7	75.0	63.0	50.8	46.6	64.9
1996	44.9	48.4	52.3	60.6	74.4	77.5	80.6	78.5	73.1	64.2	55.1	50.3	63.3
1997	46.8	51.9	61.6	59.7	69.4	76.5	81.1	78.8	75.9	63.2	50.2	44.9	63.3
1998	48.0	49.9	55.2	61.9	73.1	80.4	82.1	80.9	78.5	67.3	58.1	51.4	65.6
1999	50.7	53.0	53.9	67.7	70.4	77.7	81.7	83.5	73.6	64.5	55.3	47.5	65.0
2000	47.9	54.2	59.4	61.1	74.5	77.7	83.0	83.2	75.3	64.9	52.5	39.1	64.4
2001	42.0	53.2	51.6	65.9	71.2	76.3	81.0	79.6	73.4	61.2	58.5	51.5	63.8
2002	48.7	45.9	56.7	66.9	71.1	77.9	81.3	80.8	78.7	69.3	52.7	47.4	64.8
2003	40.7	48.6	57.5	64.1	73.5	77.0	79.7	80.6	73.3	64.0	58.1	43.8	63.4
2004	45.9	46.4	59.9	62.4	72.6	77.7	80.1	76.6	74.5	70.8	59.0	45.9	64.3
2005	50.4	52.1	54.2	62.2	69.4	77.6	81.4	81.8	77.6	64.8	57.2	45.5	64.5
2006	52.7	48.2	57.9	68.9	72.5	79.6	83.2	83.0	74.2	63.9	53.2	48.8	65.5
2007	46.9	46.7	60.1	60.7	71.4	79.4	79.4	84.5	76.8	66.7	54.7	52.5	65.0
2008	44.0	50.8	57.4	63.5	71.2	79.0	81.0	78.6	74.8	62.2	51.9	51.2	63.8
2009	47.1	50.4	58.6	63.2	72.2	80.3	79.8	78.9	76.6	63.0	53.1	45.0	64.0
POR= 65 YRS	46.2	49.4	56.6	64.2	71.8	78.4	81.2	80.7	75.4	64.6	54.7	48.1	64.3

**HEATING DEGREE DAYS (base 65°F) 2009 MERIDIAN (KMEI)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1980-81	0	0	0	143	325	539	677	398	290	21	15	0	2408
1981-82	0	0	9	96	221	545	541	381	198	108	1	0	2100
1982-83	0	0	8	79	226	318	616	461	340	170	15	0	2233
1983-84	0	0	21	92	350	658	766	490	344	173	42	3	2939
1984-85	0	0	8	30	323	251	764	488	137	80	2	0	2083
1985-86	0	0	11	53	154	689	644	359	274	100	9	0	2293
1986-87	0	0	0	99	196	566	644	385	258	142	0	0	2290
1987-88	0	0	0	215	282	387	714	517	308	73	10	0	2506
1988-89	0	0	1	179	223	511	401	469	248	148	40	0	2220
1989-90	0	0	11	125	282	765	433	255	185	110	12	0	2178
1990-91	0	0	7	121	219	391	543	349	223	27	1	0	1881
1991-92	0	0	3	65	414	411	587	327	246	111	21	0	2185
1992-93	0	0	0	50	351	461	444	441	353	153	7	0	2260
1993-94	0	0	3	125	350	521	676	379	239	64	2	0	2359
1994-95	0	0	1	55	161	379	520	401	187	50	12	0	1766
1995-96	0	0	3	122	422	568	613	492	408	181	6	0	2815
1996-97	0	0	11	98	314	458	568	372	141	173	18	0	2153
1997-98	0	0	0	151	435	615	519	419	335	130	3	1	2608
1998-99	0	0	0	56	209	443	444	340	336	68	6	0	1902
1999-00	0	0	12	103	284	537	527	324	187	126	0	0	2100
2000-01	0	0	7	74	398	796	704	337	411	82	1	0	2810
2001-02	0	0	21	170	208	416	523	528	315	67	34	0	2282
2002-03	0	0	0	38	374	540	747	455	231	78	1	0	2464
2003-04	0	0	13	72	230	649	595	534	173	128	24	0	2418
2004-05	0	0	0	21	214	590	452	360	337	111	31	0	2116
2005-06	0	0	0	120	278	597	375	470	251	28	10	0	2129
2006-07	0	0	5	128	354	494	558	506	176	166	4	0	2391
2007-08	0	0	0	95	309	401	644	424	264	110	14	0	2261
2008-09	0	0	0	150	390	445	550	408	222	114	11	0	2290
2009-	0	0	5	139	352	613							

WBAN : 13865

**COOLING DEGREE DAYS (base 65°F) 2009 MERIDIAN (KMEI)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1980	0	16	10	35	233	425	612	586	487	45	4	0	2453
1981	0	1	12	178	175	517	612	576	292	100	33	5	2501
1982	28	0	94	73	274	434	541	532	317	146	46	70	2555
1983	0	0	1	18	163	297	484	505	248	73	9	5	1803
1984	0	1	17	51	142	310	411	456	299	237	14	19	1957
1985	0	5	56	102	233	435	494	472	289	165	47	4	2302
1986	0	13	14	39	247	444	573	460	405	111	38	1	2345
1987	0	0	6	76	310	388	514	533	289	14	16	13	2159
1988	0	2	7	66	131	408	475	519	345	20	35	0	2008
1989	9	26	42	75	215	399	493	500	305	67	26	0	2157
1990	3	29	51	85	226	454	502	549	423	112	19	26	2479
1991	0	2	47	131	349	430	537	502	352	129	21	13	2513
1992	0	0	6	88	208	392	542	434	349	50	13	0	2082
1993	0	4	2	32	193	459	581	581	356	121	27	0	2356
1994	1	10	23	165	222	491	486	498	331	126	29	5	2387
1995	5	2	41	94	329	393	542	556	308	68	6	4	2348
1996	0	21	19	56	302	384	491	427	261	78	24	6	2069
1997	10	12	43	19	163	354	505	433	334	104	0	0	1977
1998	0	0	38	46	265	470	538	499	413	132	6	30	2437
1999	10	12	0	157	179	389	529	584	275	93	0	1	2229
2000	6	16	20	19	304	389	564	573	321	79	31	0	2322
2001	0	13	0	117	200	346	504	462	280	61	17	3	2003
2002	21	0	68	134	231	391	513	497	418	175	12	0	2460
2003	0	3	5	60	271	364	464	493	271	48	29	0	2008
2004	10	0	22	57	265	389	475	366	294	209	42	4	2133
2005	7	4	11	34	175	383	516	527	386	123	53	0	2219
2006	2	4	36	155	252	445	572	568	288	103	5	0	2430
2007	2	0	32	45	209	441	454	612	360	154	6	21	2336
2008	1	16	32	75	211	425	503	428	300	69	2	22	2084
2009	0	6	32	67	241	465	464	435	362	85	0	0	2157

**SNOWFALL (inches) 2009 MERIDIAN (KMEI)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1976-77	0.0	0.0	0.0	0.0	T	0.0	5.0	0.0	0.0	0.0	0.0	0.0	5.0
1977-78	0.0	0.0	0.0	0.0	0.0	0.0	1.0	T	T	0.0	0.0	0.0	1.0
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	T	0.0	T	0.0	0.0	0.0	T
1980-81	0.0	0.0	0.0	0.0	0.0	T	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	1.8	0.0	T	0.0	0.0	0.0	1.8
1982-83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	T
1983-84	0.0	0.0	0.0	0.0	0.0	T	T	T	T	0.0	0.0	0.0	T
1984-85	0.0	0.0	0.0	0.0	0.0	T	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	T	0.0	0.0	0.0	0.0	T
1986-87	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	2.7	0.0	0.0	5.0
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	0.0	0.0	T	0.0	T	0.0	0.0	T
1989-90	T	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T	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	T	0.0	T
1991-92	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2
1992-93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	5.7
1993-94	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	T	0.0	0.0	0.8
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1995-96	0.0	0.0	0.0	0.0	0.0	0.0	T						
1996-97													
1997-98													
1998-99													
1999-00													
2000-01													
2001-02													
2002-03													
2003-04													
2004-05													
2005-													
POR= 51 YRS	T	0.0	0.0	0.0	T	0.4	0.5	0.2	0.1	0.1	T	0.0	1.3

WBAN : 13865

**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. 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.</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 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 EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED HISTORY GO TO "MULTI-NETWORK METADATA SYSTEM", URL IS: <a href="https://mi3.ncdc.noaa.gov/mi3qry/login.cfm">https://mi3.ncdc.noaa.gov/mi3qry/login.cfm</a></p> <p><b>NOTE:</b> The "Period of Record:(POR) for all "averages" is based on the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p>
--	---

# 2009 MERIDIAN MISSISSIPPI (KMEI)

Mild winters and warm summers describe the general temperature pattern for Meridian. However, the terrain features exert a pronounced influence, particularly during the winter months. The hills to the north, east, and west leave Meridian in a valley. During periods of near calm winds, cold air drainage brings temperatures which may be as much as 10 degrees lower than for other locations in the area. January is usually the coldest month, followed closely by December and February. Sub-zero temperatures are very rare. Summer temperatures are consistently warm. Prolonged periods with above 100 degrees readings are rare.

Precipitation is distributed evenly throughout the year. The widespread rains of the winter months reach a maximum in March. Spring showers reach a minimum in May, followed by localized summer thunderstorms in July and August. The driest period of the year is in late September and October, followed by the onset of winter-type precipitation in late November. This pattern is ideally suited to agricultural operations since the spring rains are conducive to crop growth in the early stages and the dry period in the fall is ideal for harvesting operations. Summer thunderstorms are highly localized and occur on one in three days during July and August.

The long growing season averages 235 days, nearly eight months. The average date of the first occurrence of a temperature as low as 32 degrees in autumn is November 7, and the occurrence of 32 degrees before October 20 is very rare. The average date of the last occurrence of 32 degrees in spring is March 19, although 32 degrees has been recorded in late April. Some portions of the area not affected by cold air drainage may have slightly longer average growing seasons.

The nearby Gulf of Mexico provides an abundant supply of moisture to the Meridian area and results in high humidities for prolonged periods.

Humidities of greater than 90 percent occur nightly during every month except for short periods during the autumn and winter when cool continental air is flowing from the north. Lowest humidities are observed during the early afternoons, but seldom reach below 40 percent except for short periods.

March is generally the windiest month of the year due to the frequent occurrence of late winter and spring storms across the Gulf States. October has the lowest average wind speed. Prevailing winds are from the north and northeast during the autumn and winter months, and from the south and southwest during the spring and summer. Local thunderstorms produce short periods of high winds during the spring and summer months and can be quite destructive. Severe thunderstorms and tornadoes have caused considerable loss of life and property in this area. The highest sustained wind speed recorded was 50 mph, but there have been short periods with winds in excess of 50 mph.

Fifty years of record show that December, January, and February receive the smallest amount of possible sunshine. About 40 to 45 percent of the days during these months are cloudy. Sunshine reaches a maximum during the dry period in the fall, September and October. These months are characterized by long periods of cloudless skies.

Thunderstorms normally occur during every month in the year, but most occur during the summer months. These summer thunderstorms provide most of the precipitation during the crop growing season. Cloudiness associated with these thunderstorms brings relief from the oppressive heat. Although thunderstorm occurrence is high, hail damage is infrequent and usually confined to a small area.

**Non-Subscription Request:**

NCDC Customer Services;

Phone: 828-271-4800

Fax: 828-271-4876

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

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE \$300

CHANGE SERVICE REQUESTED

FIRST CLASS  
POSTAGE & FEES PAID  
United States Department of Commerce  
NOAA Permit No. G - 19

INQUIRES/COMMENTS CALL: Toll Free (866) 742-3322

Visit our Web Site for other weather data: [www.ncdc.noa.gov](http://www.ncdc.noa.gov)

**For Hard Copy Subscription:**

Price and ordering information: NCDC Subscribing Service Center, 310 State Route 956, Building 300, Rocket Center, WV 26726.