

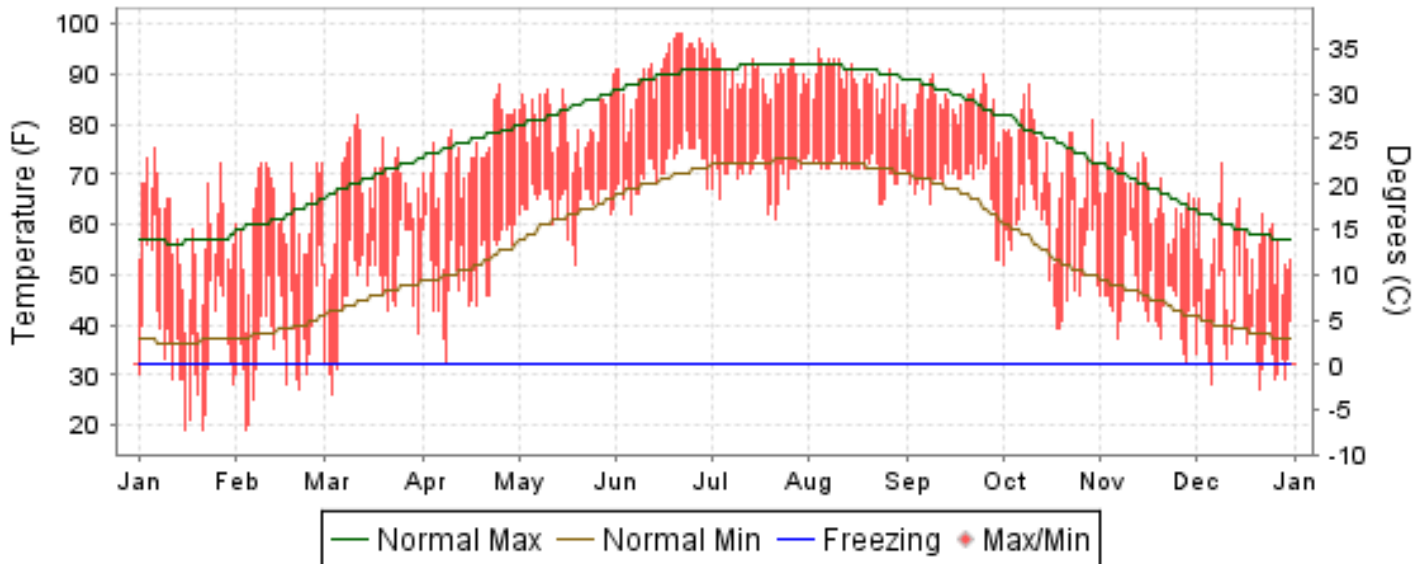


# 2009 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

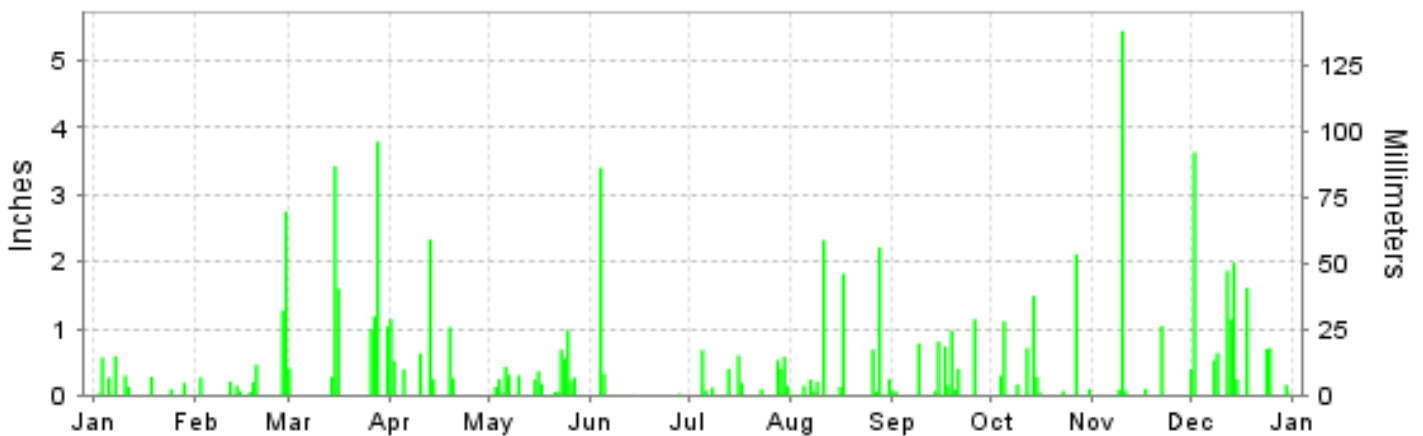
ISSN 0198-1609

## COLUMBUS, GEORGIA (KCSG)

### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2009

## COLUMBUS (KCSG)

LATITUDE: 32 ° 30'N      LONGITUDE: -84 ° 56'W      ELEVATION (FT): GRND: 392    BARO: 435      TIME ZONE: EASTERN (UTC -5)      WBAN: 93842

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	58.5	61.9	67.7	74.2	80.7	91.5	89.7	88.5	84.2	73.2	66.2	54.7	74.3	
	HIGHEST DAILY MAXIMUM	75	72	82	88	90	98	96	95	90	88	76	72	98	
	DATE OF OCCURRENCE	06	28+	11	25	31	22+	01	04	25+	09	08+	09	JUN 22+	
	MEAN DAILY MINIMUM	37.2	37.1	47.2	51.4	63.9	71.1	69.8	70.8	68.0	55.8	44.6	37.4	54.5	
	LOWEST DAILY MINIMUM	19	19	26	32	52	62	61	64	53	39	32	27	19	
	DATE OF OCCURRENCE	21+	04	03	08	19	06	21	24+	30+	19+	28	21	FEB 04	
	AVERAGE DRY BULB	47.9	49.5	57.5	62.8	72.3	81.3	79.8	79.7	76.1	64.5	55.4	46.1	64.4	
	MEAN WET BULB	41.7	42.6	51.1	55.4	65.5	71.8	70.3	71.9	69.1	59.4	49.8	42.0	57.6	
	MEAN DEW POINT	33.8	33.3	44.9	49.1	61.8	67.0	65.3	68.5	65.6	56.0	44.8	35.9	52.2	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	1	21	18	13	2	0	0	0	55	
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	
	MINIMUM <= 32°	13	10	5	1	0	0	0	0	0	0	1	8	38	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	528	429	232	113	4	0	0	0	2	103	281	578	2270	
	COOLING DEGREE DAYS	4	0	7	52	237	498	466	462	345	96	0	0	2167	
RH	MEAN (PERCENT)	64	60	68	65	75	66	67	75	74	78	73	71	70	
	HOUR 01 LST	72	71	75	80	85	80	80	87	84	86	86	78	80	
	HOUR 07 LST	80	78	82	79	84	76	77	85	84	86	88	80	82	
	HOUR 13 LST	48	40	55	47	58	47	48	55	57	63	51	59	52	
	HOUR 19 LST	57	54	61	55	74	59	60	72	74	79	72	70	66	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	1	0	5	1	2	0	0	0	0	0	0	3	12	
	THUNDERSTORMS	1	4	4	8	11	8	5	7	5	2	0	2	57	
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.)	29.69	29.77	29.70	29.61	29.59	29.47	29.57	29.61	29.59	29.59	29.65	29.67	29.63	
	MEAN SEA-LEVEL PRESS. (IN.)	30.12	30.20	30.12	30.02	30.01	29.89	29.98	30.02	30.00	30.01	30.08	30.10	30.05	
WINDS	RESULTANT SPEED (MPH)	2.2	1.8	0.8	1.3	1.3	3.0	2.6	0.3	2.7	1.2	1.9	1.5	0.5	
	RES. DIR. (TENS OF DEGS.)	30	29	15	25	11	31	27	24	10	05	03	03	33	
	MEAN SPEED (MPH)	5.6	5.5	5.5	7.0	6.9	4.8	5.2	4.0	5.2	5.2	4.3	6.5	5.5	
	PREVAIL.DIR.(TENS OF DEGS.)	35	34	10	31	08	31	25	10	09	09	09	10	09	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	29	25	25	33	37	33	33	38	41	24	24	24	41	
	DIR. (TENS OF DEGS.)	29	31	14	30	31	33	22	31	24	35	09	14	24	
	DATE OF OCCURRENCE	07	19	27	21	03	14	28	04	09	12	22	25	SEP 09	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	40	36	46	47	47	44	43	47	54	31	32	35	54	
DIR. (TENS OF DEGS.)	30	21	03	30	32	32	22	31	24	34	09	28	24		
DATE OF OCCURRENCE	07	11	27	21	03	14	28	04	09	12	22	09	SEP 09		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	2.49	5.44	12.70	6.53	5.10	3.79	3.83	8.26	5.30	6.39	6.75	13.62	80.20	
	GREATEST 24-HOUR (IN.)	0.61	4.02	3.79	2.33	1.17	3.40	0.87	2.32	1.14	2.11	5.48	4.02	5.48	
	DATE OF OCCURRENCE	06-07	27-28	28	13	25-26	04	28-29	11	26	27	09-10	01-02	NOV 09-10	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	11	10	8	8	17	5	11	17	12	11	6	13	129	
PRECIPITATION 0.10	8	7	8	8	13	2	10	9	7	8	3	12	95		
PRECIPITATION 1.00	0	2	5	3	0	1	0	3	1	3	2	5	25		
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 COLUMBUS (KCSG)

LATITUDE: 32 ° 30'N      LONGITUDE: -84 ° 56'W      ELEVATION (FT): GRND: 392 BARO: 435      TIME ZONE: EASTERN (UTC -5)      WBAN: 93842

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	56.9	61.6	69.4	76.5	83.2	89.5	91.7	91.0	86.0	77.0	67.6	59.2	75.8
	MEAN DAILY MAXIMUM	62	57.6	61.6	68.8	77.0	84.0	89.7	91.5	91.0	86.0	77.2	67.6	59.4	76.0
	HIGHEST DAILY MAXIMUM	64	83	83	89	93	97	104	104	104	100	96	86	82	104
	YEAR OF OCCURRENCE		1949	1996	2007	1986	2006	1978	1986	2007	1990	1954	2003	1977	AUG 2007
	MEAN OF EXTREME MAXS.	62	73.4	76.3	83.2	87.8	92.4	97.0	98.0	97.3	94.1	87.7	80.6	75.0	86.9
	NORMAL DAILY MINIMUM	30	36.6	39.0	45.7	51.8	61.3	68.8	72.3	71.5	66.4	54.5	45.7	39.0	54.4
	MEAN DAILY MINIMUM	62	36.5	38.9	45.0	52.1	61.0	68.4	71.8	71.2	66.2	54.4	44.2	38.1	54.0
	LOWEST DAILY MINIMUM	64	-2	10	16	28	39	44	59	57	38	24	10	4	-2
	YEAR OF OCCURRENCE		1985	1996	1980	1950	1963	1956	1967	1952	1967	1952	1950	1962	JAN 1985
	MEAN OF EXTREME MINS.	62	18.5	22.4	28.7	36.6	47.6	58.4	65.9	64.2	53.6	38.1	28.5	21.9	40.4
	NORMAL DRY BULB	30	46.8	50.3	57.6	64.2	72.3	79.2	82.0	81.3	76.2	65.8	56.7	49.1	65.1
	MEAN DRY BULB	62	47.0	50.2	56.9	64.6	72.5	79.1	81.7	81.1	76.1	65.8	55.9	48.8	65.0
	MEAN WET BULB	26	41.1	43.9	49.4	55.6	63.5	69.7	72.7	72.3	67.6	58.4	50.1	43.1	57.3
	MEAN DEW POINT	26	36.5	39.3	44.3	51.0	59.9	67.1	70.5	69.8	64.6	54.9	46.3	39.0	53.6
	NORMAL NO. DAYS WITH:														
MAXIMUM >= 90	30	0.0	0.0	0.0	0.4	4.6	17.0	22.6	20.9	10.5	0.7	0.0	0.0	76.7	
MAXIMUM <= 32	30	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	
MINIMUM <= 32	30	12.2	7.6	2.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.8	9.2	34.3	
MINIMUM <= 0	30	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
H/C	NORMAL HEATING DEG. DAYS	30	559	415	252	94	8	0	0	0	3	78	263	482	2154
	NORMAL COOLING DEG. DAYS	30	1	4	25	77	234	429	533	511	349	107	21	5	2296
RH	NORMAL (PERCENT)	30	70	68	65	65	68	69	73	73	72	70	72	72	70
	HOOR 01 LST	30	79	77	76	78	82	82	85	86	84	83	82	81	81
	HOOR 07 LST	30	83	83	85	87	87	86	90	91	90	88	87	84	87
	HOOR 13 LST	30	59	54	51	47	51	52	56	56	56	52	55	58	54
	HOOR 19 LST	30	64	57	53	50	56	59	65	65	66	66	68	68	61
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI) THUNDERSTORMS	43 53	2.8 1.6	1.9 2.2	1.0 4.1	1.0 4.1	1.0 6.0	0.9 8.3	0.7 11.8	0.6 8.3	0.7 3.5	1.0 1.3	1.5 1.2	2.3 1.1	15.4 53.5
CLOUDNESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH:														
CLEAR	1	1.0	1.0	2.0		1.0				3.0	2.0	6.0		3.0	
PARTLY CLOUDY															
CLOUDY	1	1.0	1.0	6.0						2.0	4.0	5.0		1.0	
PR	MEAN STATION PRESSURE(IN)	26	29.73	29.69	29.64	29.60	29.59	29.58	29.61	29.60	29.60	29.66	29.70	29.73	29.64
	MEAN SEA-LEVEL PRES. (IN)	26	30.16	30.12	30.06	30.02	30.00	29.99	30.02	30.01	30.02	30.08	30.12	30.16	30.06
WINDS	MEAN SPEED (MPH)	26	6.8	7.0	7.2	6.8	6.4	5.8	5.7	5.3	6.2	5.9	6.0	6.3	6.3
	PREVAIL.DIR(TENS OF DEGS)	16	32	33	10	32	09	08	25	08	07	07	08	09	07
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	15	46	38	40	40	40	48	43	38	41	40	33	43	48
	DIR. (TENS OF DEGS)		29	32	30	19	28	32	32	31	24	12	28	22	32
	YEAR OF OCCURRENCE		1996	2008	2001	2004	2005	1998	2000	2009	2009	1995	1995	2008	JUN 1998
	MAXIMUM 3-SECOND														
SPEED (MPH)	15	53	47	67	47	53	69	59	48	54	52	40	59	69	
DIR. (TENS OF DEGS)		28	32	28	30	31	33	35	33	24	16	29	23	33	
YEAR OF OCCURRENCE		1996	2008	1997	2009	2006	1998	2003	2008	2009	1995	2005	2008	JUN 1998	
PRECIPITATION	NORMAL (IN)	30	4.78	4.48	5.75	3.84	3.62	3.51	5.04	3.78	3.07	2.33	3.97	4.40	48.57
	MAXIMUM MONTHLY (IN)	64	10.22	9.41	13.30	11.67	8.45	10.83	13.24	10.11	9.47	8.42	12.45	13.62	13.62
	YEAR OF OCCURRENCE		1947	1961	2001	1953	1959	1967	1971	1991	2004	1995	1948	2009	DEC 2009
	MINIMUM MONTHLY (IN)	64	0.72	1.20	0.56	0.10	0.22	0.51	1.74	0.80	0.22	0.00	0.31	0.43	0.00
	YEAR OF OCCURRENCE		1989	2000	2004	1986	1962	2000	1957	1988	1984	1963	1956	1955	OCT 1963
	MAXIMUM IN 24 HOURS (IN)	64	4.27	5.77	7.22	5.74	4.61	3.88	5.45	6.80	4.25	5.63	5.48	4.41	7.22
	YEAR OF OCCURRENCE		1978	1981	1990	1981	1957	1959	1989	1977	1971	1964	2009	1970	MAR 1990
	NORMAL NO. DAYS WITH:														
PRECIPITATION >= 0.01	30	10.8	8.9	9.9	7.5	8.6	9.1	12.5	10.2	7.9	5.6	8.1	9.2	108.3	
PRECIPITATION >= 1.00	30	1.3	1.5	1.9	1.2	1.0	0.8	1.2	0.9	0.9	0.7	1.2	1.6	14.2	
SNOWFALL	NORMAL (IN)	30	0.4	0.5	0.1	0.*	0.0	0.0	0.0	0.0	0.0	0.0	0.*	0.1	1.1
	MAXIMUM MONTHLY (IN)	56	2.0	14.0	2.5	T	T	0.0	0.0	0.0	0.0	0.0	T	1.6	14.0
	YEAR OF OCCURRENCE		1982	1973	1993	1990	1993						1975	1993	FEB 1973
	MAXIMUM IN 24 HOURS (IN)	56	1.4	14.0	2.5	T	T	0.0	0.0	0.0	0.0	0.0	T	1.6	14.0
	YEAR OF OCCURRENCE'		1977	1973	1993	1990	1993						1975	1993	FEB 1973
	MAXIMUM SNOW DEPTH (IN)	50	1	14	T	0	0	0	0	0	0	0	0	T	14
YEAR OF OCCURRENCE		1988	1973	1980									1983	FEB 1973	
NORMAL NO. DAYS WITH:															
SNOWFALL >= 1.0	30	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	

**PRECIPITATION (inches) 2009 COLUMBUS (KCSG)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1980	3.98	3.53	11.20	5.13	6.90	2.69	3.22	4.49	2.32	1.92	1.77	1.66	48.81
1981	1.27	7.72	4.20	6.88	1.45	3.05	5.40	2.93	2.62	1.90	1.18	8.94	47.54
1982	4.22	4.88	2.17	8.42	4.19	2.46	5.73	2.40	1.12	2.00	5.29	8.74	51.62
1983	3.95	5.75	7.37	4.48	2.02	5.05	3.57	3.16	6.01	1.82	5.07	7.02	55.27
1984	3.60	3.22	5.96	2.16	4.42	1.96	7.50	3.50	0.22	0.42	2.47	2.69	38.12
1985	3.84	6.21	1.38	1.90	4.86	2.03	4.53	3.28	0.98	2.85	2.94	4.85	39.65
1986	1.45	4.67	8.78	0.10	2.55	0.83	3.15	3.37	3.62	3.94	9.85	2.65	44.96
1987	5.47	7.69	4.38	0.62	6.25	9.19	4.31	1.82	2.31	0.37	3.22	2.90	48.53
1988	6.72	2.73	3.35	4.64	1.61	0.94	4.91	0.80	4.25	1.52	3.63	3.72	38.82
1989	0.72	2.64	4.88	6.51	2.42	7.34	11.58	2.27	3.68	2.46	5.11	7.31	56.92
1990	4.45	6.31	9.40	2.64	4.45	1.05	3.58	1.68	0.54	3.00	1.64	2.76	41.50
1991	7.46	1.94	7.86	4.32	7.00	3.90	3.79	10.11	2.38	0.58	4.70	3.34	57.38
1992	6.65	5.07	4.72	2.59	0.80	2.76	8.28	9.15	2.79	2.46	11.63	3.95	60.85
1993	4.12	3.52	8.06	2.21	2.04	0.74	3.41	4.32	0.97	3.72	4.92	4.01	42.04
1994	4.36	4.73	6.24	1.61	2.84	5.07	7.98	3.43	3.46	5.41	2.08	2.08	49.29
1995	3.91	6.05	2.68	1.32	1.50	3.46	2.34	2.23	3.70	8.42	3.75	5.45	44.81
1996	5.28	3.84	6.55	4.81	2.37	2.33	3.06	2.94	5.41	2.17	2.17	2.80	43.73
1997	4.16	6.29	1.86	5.84	4.65	5.99	4.40	1.73	2.25	2.77	4.26	6.72	50.92
1998	3.21	4.43	4.50	3.62	1.09	3.75	2.07	1.85	5.25	0.54	0.88	1.59	32.78
1999	4.07	1.76	3.31	1.94	1.50	2.91	2.36	1.84	1.20	2.49	1.29	1.72	26.39
2000	4.01	1.20	7.27	1.34	0.78	0.51	3.66	3.43	4.82	0.62	5.26	3.94	36.84
2001	2.21	1.22	13.30	2.63	2.17	4.51	2.05	1.94	3.78	0.80	1.99	1.81	38.41
2002	3.16	3.33	4.76	3.08	1.63	4.11	6.29	1.87	4.01	3.58	3.74	4.52	44.08
2003	2.11	5.70	5.87	4.72	5.52	8.77	8.64	4.14	2.12	2.91	3.02	2.90	56.42
2004	2.82	5.04	0.56	3.14	3.01	5.61	4.58	5.24	9.47	1.36	5.61	2.55	48.99
2005	2.51	5.13	8.94	7.12	4.80	8.80	9.38	6.50	0.50	1.38	5.07	2.38	62.51
2006	2.97	4.46	2.77	2.91	3.18	1.77	2.86	3.77	3.49	3.14	4.63	2.89	38.84
2007	3.76	2.33	2.36	4.03	0.26	4.70	5.19	4.41	1.90	1.49	3.11	4.30	37.84
2008	5.09	6.26	3.62	2.68	5.49	1.72	3.45	8.26	0.52	5.48	3.79	4.40	50.76
2009	2.49	5.44	12.70	6.53	5.10	3.79	3.83	8.26	5.30	6.39	6.75	13.62	80.20
POR= 62 YRS	4.10	4.53	5.75	4.11	3.77	3.93	5.38	3.98	3.30	2.32	3.64	4.57	49.38

WBAN : 93842

**AVERAGE TEMPERATURE (°F) 2009 COLUMBUS (KCSG)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1980	50.6	46.8	55.4	63.1	72.4	79.8	84.3	83.5	80.1	63.9	55.0	47.9	65.2
1981	41.8	50.6	55.1	68.3	70.2	83.3	83.4	80.2	75.6	63.8	57.1	45.1	64.5
1982	44.6	51.4	61.0	62.8	73.7	79.4	81.3	80.8	75.2	67.3	58.4	54.8	65.9
1983	44.9	49.2	55.1	60.6	72.4	78.9	85.1	84.4	74.4	66.4	55.6	45.5	64.4
1984	43.9	50.7	55.3	62.5	70.5	80.4	80.5	80.4	75.5	73.7	54.3	56.8	65.4
1985	40.7	49.1	60.6	66.3	72.2	79.9	80.5	80.5	75.6	71.1	64.7	44.7	65.5
1986	47.4	55.6	58.4	64.5	74.4	82.4	85.8	81.0	78.5	67.3	61.9	49.1	67.2
1987	45.5	49.2	57.1	62.7	74.9	79.3	82.5	84.5	76.5	60.2	58.9	53.3	65.4
1988	43.5	47.8	56.6	64.6	70.8	79.7	81.4	83.3	76.7	62.4	58.4	49.1	64.5
1989	52.8	51.4	59.5	63.6	71.4	78.9	80.6	81.8	75.5	64.8	55.9	41.5	64.8
1990	51.1	55.9	59.6	63.1	71.1	81.1	83.1	84.1	79.3	67.4	58.0	53.3	67.3
1991	48.6	54.2	59.7	68.8	75.4	78.6	82.2	80.7	77.3	67.3	54.7	52.3	66.7
1992	47.7	54.2	56.9	63.4	71.3	78.3	82.7	78.8	75.9	64.2	55.2	48.9	64.8
1993	51.7	48.2	54.4	60.8	71.9	81.5	85.8	82.5	78.4	65.8	56.0	47.2	65.4
1994	44.4	53.7	59.4	68.0	71.0	79.4	78.8	78.9	74.0	65.0	60.1	51.4	65.3
1995	47.8	49.9	60.3	65.2	75.4	77.3	84.4	83.5	76.0	66.7	51.9	46.6	65.4
1996	46.4	49.6	53.0	62.4	75.7	79.2	82.7	80.3	74.7	64.5	55.3	51.5	64.6
1997	48.7	53.8	63.5	62.2	69.2	75.1	82.1	80.2	77.1	66.2	52.8	47.1	64.8
1998	50.5	51.8	55.5	64.0	76.8	83.6	84.4	82.7	78.6	68.9	61.3	54.2	67.7
1999	51.3	53.8	55.4	69.1	72.5	78.5	82.6	84.4	76.4	66.6	58.7	49.6	66.6
2000	47.7	54.5	60.9	62.2	76.7	80.9	84.3	82.6	74.5	66.8	55.8	41.4	65.7
2001	44.8	55.4	54.2	66.3	73.0	77.9	82.7	81.5	74.8	64.2	62.8	53.4	65.9
2002	50.1	49.1	59.3	69.5	73.5	79.9	83.1	82.6	78.9	69.4	53.5	47.0	66.3
2003	43.6	51.1	60.4	65.4	73.9	78.3	80.7	81.4	75.8	66.7	61.0	46.4	65.4
2004	46.1	47.5	61.7	64.2	75.3	79.2	82.5	80.1	75.5	69.8	59.6	48.0	65.8
2005	50.6	53.9	55.3	62.9	70.6	79.1	82.4	82.0	80.3	67.6	59.3	46.6	65.9
2006	54.1	49.1	58.5	69.4	73.0	80.9	84.1	84.1	75.7	65.2	56.7	53.5	67.0
2007	50.2	48.5	62.4	63.0	73.7	79.8	80.8	85.2	77.5	68.6	55.2	52.8	66.5
2008	45.2	50.9	57.1	64.4	72.4	80.9	81.6	80.1	76.3	63.9	52.9	52.4	64.8
2009	47.9	49.5	57.5	62.8	72.3	81.3	79.8	79.7	76.1	64.5	55.4	46.1	64.4
POR= 62 YRS	47.0	50.2	56.9	64.6	72.5	79.1	81.7	81.1	76.1	65.8	55.9	48.8	65.0

**HEATING DEGREE DAYS (base 65°F) 2009 COLUMBUS (KCSG)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1980-81	0	0	3	93	299	520	709	401	311	25	7	0	2368
1981-82	0	0	6	94	253	608	626	372	194	119	0	0	2272
1982-83	0	0	6	83	222	337	614	437	318	146	3	0	2166
1983-84	0	0	9	59	291	602	647	409	299	123	21	0	2460
1984-85	0	0	0	12	328	251	747	444	158	75	3	0	2018
1985-86	0	0	1	24	88	625	542	269	215	83	0	0	1847
1986-87	0	6	0	66	157	486	597	436	250	142	2	0	2142
1987-88	0	0	0	157	203	370	661	497	270	65	1	0	2224
1988-89	0	0	0	117	197	489	376	390	226	137	21	0	1953
1989-90	0	0	15	101	275	722	427	257	181	112	10	0	2100
1990-91	0	0	5	81	214	363	501	302	203	25	0	0	1694
1991-92	0	0	0	38	322	406	531	311	266	122	23	0	2019
1992-93	0	0	0	56	300	496	405	464	335	135	6	0	2197
1993-94	0	0	0	86	290	543	630	322	187	48	1	0	2107
1994-95	0	0	0	65	161	419	523	413	166	59	7	0	1813
1995-96	0	0	8	69	397	561	570	447	371	132	5	0	2560
1996-97	0	0	2	79	302	416	501	321	104	114	15	0	1854
1997-98	0	0	0	81	362	547	448	367	317	70	0	0	2192
1998-99	0	0	0	32	133	340	419	315	292	50	4	0	1585
1999-00	0	0	0	69	190	471	531	302	135	110	0	0	1808
2000-01	0	0	1	58	320	726	620	274	333	71	0	0	2403
2001-02	0	0	4	107	108	355	460	440	224	25	11	0	1734
2002-03	0	0	0	40	349	550	656	384	161	59	0	0	2199
2003-04	0	0	4	30	178	569	581	500	135	88	10	0	2095
2004-05	0	0	0	15	193	523	439	313	302	86	11	0	1882
2005-06	0	0	0	77	197	568	336	439	221	18	10	0	1866
2006-07	0	0	1	106	254	351	453	456	137	111	0	0	1869
2007-08	0	0	0	48	291	373	608	403	256	76	1	0	2056
2008-09	0	0	0	125	360	390	528	429	232	113	4	0	2181
2009-	0	0	2	103	281	578							

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**COOLING DEGREE DAYS (base 65°F) 2009 COLUMBUS (KCSG)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1980	0	5	11	39	237	449	607	581	461	67	6	0	2463
1981	0	4	11	131	174	554	577	479	333	65	23	0	2351
1982	1	0	77	57	274	438	512	496	320	159	30	31	2395
1983	0	0	14	24	240	426	634	609	297	108	16	4	2372
1984	0	0	6	58	198	468	488	485	322	287	15	3	2330
1985	1	4	30	122	230	454	488	489	326	220	85	0	2449
1986	0	9	19	75	295	526	654	509	412	145	71	0	2715
1987	0	0	13	80	314	433	549	613	350	12	30	13	2407
1988	2	4	18	62	187	446	515	573	360	42	4	2	2215
1989	4	14	60	99	227	422	488	528	340	102	9	0	2293
1990	2	7	21	61	206	490	569	598	441	163	11	8	2577
1991	0	6	47	145	328	417	541	495	376	116	19	21	2511
1992	0	4	24	80	226	406	553	437	337	34	12	3	2116
1993	0	0	16	17	228	502	651	550	405	118	32	0	2519
1994	0	12	19	144	193	443	434	438	276	72	20	2	2053
1995	0	0	28	73	336	378	609	583	348	130	12	0	2497
1996	0	10	9	61	345	429	558	479	299	71	15	3	2279
1997	2	13	61	37	151	311	540	475	370	127	0	0	2087
1998	4	1	29	48	373	565	608	556	417	160	29	13	2803
1999	2	7	0	178	242	410	556	610	348	123	6	0	2482
2000	0	5	13	34	367	482	605	552	292	122	51	0	2523
2001	0	12	4	118	258	393	553	516	304	88	50	2	2298
2002	7	0	56	168	282	457	570	552	424	185	13	0	2714
2003	0	0	27	77	283	407	496	515	335	88	66	0	2294
2004	0	0	40	70	336	432	549	477	321	170	38	2	2435
2005	1	8	9	31	191	433	547	534	464	166	33	5	2422
2006	6	0	25	157	265	483	601	601	327	119	12	0	2596
2007	2	0	61	58	276	449	499	633	380	167	3	1	2529
2008	2	1	14	63	237	483	522	474	348	98	4	8	2254
2009	4	0	7	52	237	498	466	462	345	96	0	0	2167

## SNOWFALL (inches) 2009 COLUMBUS (KCSG)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1979-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	1.0	0.0	0.0	0.0	1.0
1980-81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1981-82	0.0	0.0	0.0	0.0	0.0	T	2.0	0.0	0.0	0.0	0.0	0.0	2.0
1982-83	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	T	0.0	0.0	0.0	1.0
1983-84	0.0	0.0	0.0	0.0	0.0	0.0	T	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	T	0.0	0.0	0.0	0.0	0.0	T
1986-87	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1987-88	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
1988-89	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	0.0	T
1989-90	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T	0.0	0.0	T
1990-91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1991-92	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	T
1992-93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	T	0.0	2.5
1993-94	0.0	0.0	0.0	0.0	0.0	1.6	T	0.0	0.0	0.0	0.0	0.0	1.6
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	T		T	0.0	0.0	0.0	
1995-96	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	
1996-97		0.0	0.0	0.0	0.0	1.0	T	0.0	0.0	0.0	0.0	0.0	
1997-98	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T
1998-99	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
1999-00	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
2000-01	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	0.0	0.0	T
2001-02	0.0												
2002-03													
2003-04													
2004-05													
2005-06													
2006-07													
2007-08													
2008-09													
POR= 60 YRS	0.0	0.0	0.0	0.0	0.0	T	0.1	0.3	0.1	T	T	0.0	0.5

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### REFERENCE NOTES :

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).

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).

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.

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: <https://mi3.ncdc.noaa.gov/mi3qry/login.cfm>

**NOTE:**  
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.

# 2009 COLUMBUS GEORGIA (KCSG)

Columbus is located on the Chattahoochee River at the western boundary of Georgia, about 225 miles west of the Atlantic Ocean and 170 miles north of the Gulf of Mexico. Elevation of the ground above sea level ranges from 200 to 500 feet and effects of terrain on the weather are negligible. The climate is that of the humid southeast, with pronounced maritime effects at some periods, and equally pronounced continental effects at others.

Annual rainfall is variable, the months of highest rainfall are generally March and July, and the driest are usually October and November. Heavy midsummer rainfall is commonly the result of frequent local thunderstorms. Heavy rains which occasionally come in autumn are likely to be due to Gulf or Caribbean hurricanes moving inland near the Columbus area.

Snow is rare, but almost every winter sees a few snowflakes falling in the area and occasionally a moderate to heavy snowfall is experienced.

The coldest month is usually January and the warmest is usually July.

Most days in summer will have a high temperature of 90 degrees or more, but few will reach 100 degrees. During many winters the minimum temperature does not drop below 20 degrees, but about one year in ten it will drop to 10 degrees or lower.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is November 9 and the average last occurrence in the spring is March 21.

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