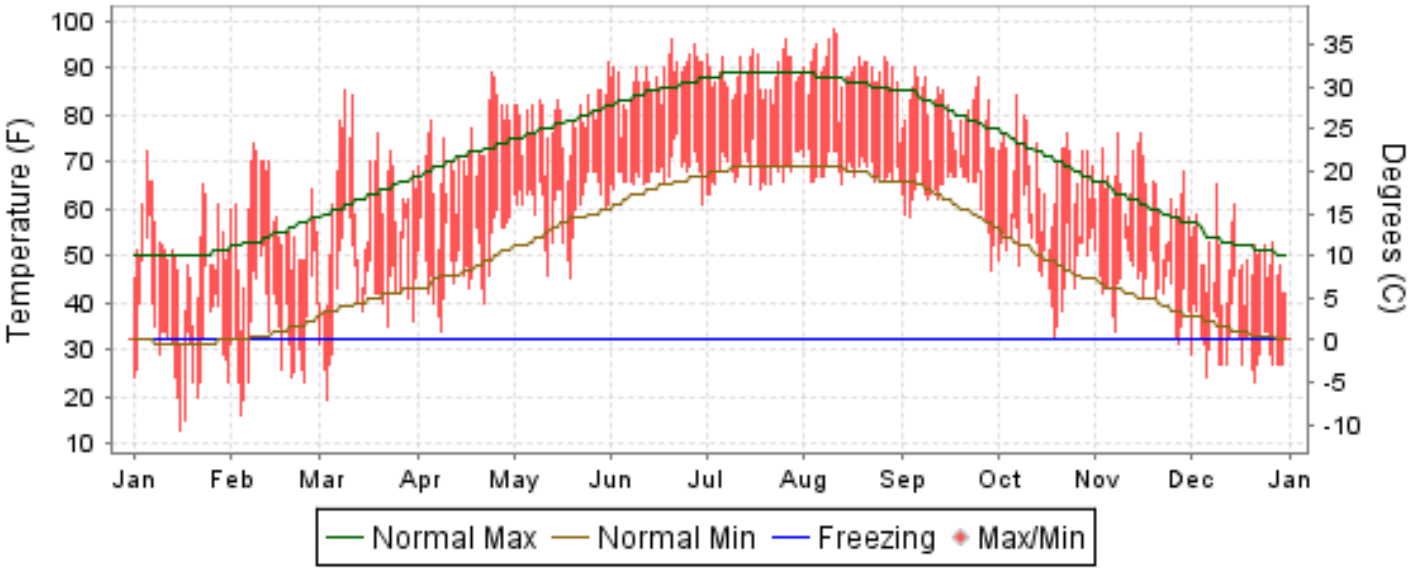
2009
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

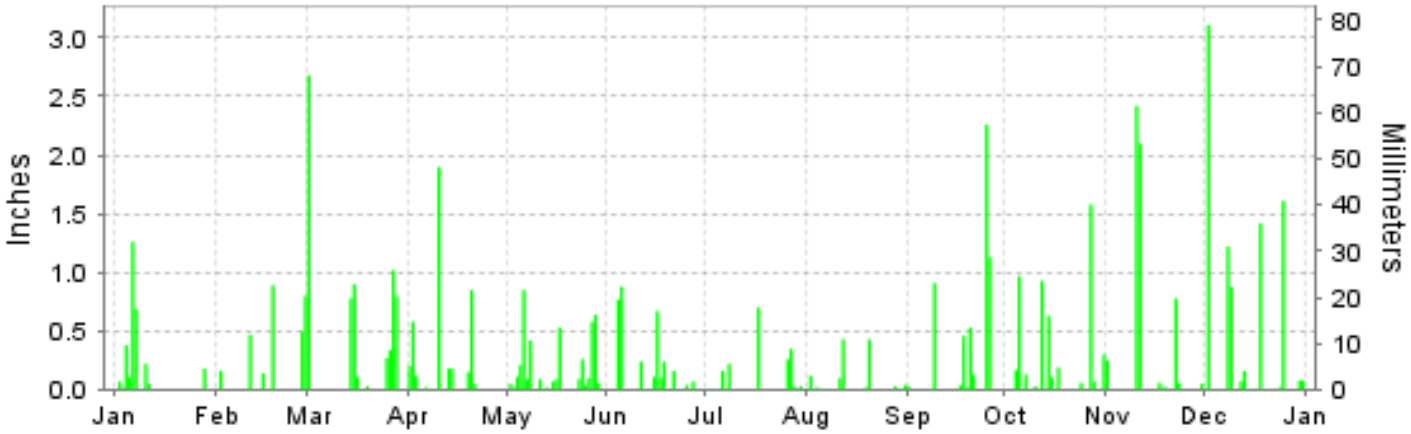
ISSN 0198-4667

GREER,
SOUTH CAROLINA (KGSP)

Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure

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

METEOROLOGICAL DATA FOR 2009
GREER (KGSP)

LATITUDE: 34 ° 53'N **LONGITUDE:** -82 ° 13'W **ELEVATION (FT):** GRND: 935 BARO: 943 **TIME ZONE:** EASTERN (UTC -5) **WBAN: 03870**

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	MEAN DAILY MAXIMUM	51.6	57.6	62.2	72.6	79.0	88.3	88.6	89.4	80.6	68.1	63.6	49.1	70.9
	HIGHEST DAILY MAXIMUM	72	74	85	89	91	96	96	98	90	84	76	65	98
	DATE OF OCCURRENCE	05	08	09	24	31	20	26	10	05	07	15+	09	AUG 10
	MEAN DAILY MINIMUM	32.5	34.5	42.8	48.9	60.4	67.8	68.2	68.4	63.1	50.1	43.7	31.2	51.0
	LOWEST DAILY MINIMUM	13	16	19	34	45	61	63	65	47	32	31	23	13
	DATE OF OCCURRENCE	16	04	03	08	19	30	02+	13	29	19	27	21	JAN 16
	AVERAGE DRY BULB	42.1	46.1	52.5	60.8	69.7	78.1	78.4	78.9	71.9	59.1	53.7	40.2	61.0
	MEAN WET BULB	36.6	38.6	45.4	52.2	62.5	69.1	68.4	69.7	65.0	54.8	48.3	36.2	53.9
	MEAN DEW POINT	27.0	26.9	37.4	43.7	58.0	64.7	63.3	65.7	61.4	51.4	42.8	29.8	47.7
	NUMBER OF DAYS WITH:													
	MAXIMUM >= 90°	0	0	0	0	1	14	12	18	1	0	0	0	46
	MAXIMUM <= 32°	1	0	0	0	0	0	0	0	0	0	0	0	1
	MINIMUM <= 32°	16	13	5	0	0	0	0	0	0	1	1	19	55
	MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0
H/C	HEATING DEGREE DAYS	704	524	392	158	26	0	0	0	8	196	333	761	3102
	COOLING DEGREE DAYS	0	0	14	38	181	398	423	437	219	22	0	0	1732
RH	MEAN (PERCENT)	59	51	62	57	71	68	65	69	75	79	71	70	66
	HOUR 01 LST	66	57	69	69	81	80	79	84	86	89	80	77	76
	HOUR 07 LST	69	65	72	68	77	71	70	79	83	89	81	78	75
	HOUR 13 LST	48	38	49	42	55	50	46	47	59	62	56	57	51
	HOUR 19 LST	57	52	62	52	70	69	64	69	76	80	70	70	66
S	PERCENT POSSIBLE SUNSHINE													
W/O	NUMBER OF DAYS WITH:													
	HEAVY FOG(VISBY <= 1/4 MI)	5	0	3	1	4	1	0	1	1	5	1	6	28
	THUNDERSTORMS	2	1	2	3	7	9	7	5	4	0	0	1	41
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.)	29.01	29.10	29.09	28.97	29.00	28.87	28.95	29.02	29.03	29.00	29.03	29.03	29.01
	MEAN SEA-LEVEL PRESS. (IN.)	30.06	30.14	30.13	29.99	30.02	29.86	29.95	30.02	30.04	30.02	30.07	30.09	30.03
WINDS	RESULTANT SPEED (MPH)	2.7	2.6	0.4	3.2	1.0	0.2	1.8	0.5	2.6	0.4	2.2	2.0	0.5
	RES. DIR. (TENS OF DEGS.)	24	24	02	23	19	31	23	22	04	06	02	36	27
	MEAN SPEED (MPH)	6.0	7.2	7.1	7.1	6.8	4.0	5.4	4.4	5.1	5.1	5.6	5.6	5.8
	PREVAIL.DIR.(TENS OF DEGS.)	23	22	04	21	22	03	22	23	03	04	04	04	03
	MAXIMUM 2-MINUTE WIND													
	SPEED (MPH)	37	39	29	29	30	46	24	22	30	23	31	32	46
	DIR. (TENS OF DEGS.)	24	20	24	30	30	25	18	20	02	23	03	23	25
	DATE OF OCCURRENCE	07	11	29	10	28	11	26	05	09	03	11	09	JUN 11
	MAXIMUM 3-SECOND WIND:													
	SPEED (MPH)	49	58	39	38	39	76	33	31	41	30	38	46	76
	DIR. (TENS OF DEGS.)	24	29	25	23	28	23	28	33	03	25	03	22	23
	DATE OF OCCURRENCE	07	11	29	21	28	11	17	11	09	03	11	09	JUN 11
PRECIPITATION	WATER EQUIVALENT:													
	TOTAL (IN.)	2.98	2.97	6.93	4.23	4.32	3.29	1.78	1.21	5.52	5.17	5.76	8.67	52.83
	GREATEST 24-HOUR (IN.)	1.57	0.93	2.68	1.90	0.94	1.42	0.70	0.53	2.60	1.65	4.23	3.11	4.23
	DATE OF OCCURRENCE	28-29	27-28	01	10	06-07	04-05	17	11-12	25-26	27-28	10-11	02	NOV 10-11
	NUMBER OF DAYS WITH:													
	PRECIPITATION 0.01	9	7	9	10	19	11	10	10	10	12	9	12	128
	PRECIPITATION 0.10	6	6	8	8	9	8	5	4	6	9	4	6	79
	PRECIPITATION 1.00	1	0	2	1	0	0	0	0	2	1	2	4	13
SNOWFALL	SNOW,ICE PELLETS,HAIL													
	TOTAL (IN.)	0.0	T	4.4	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	4.4
	GREATEST 24-HOUR (IN.)	0.0	T	4.3	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	4.3
	DATE OF OCCURRENCE	20+	17	01	21								31+	MAR 01
	MAXIMUM SNOW DEPTH (IN.)	0	0	4	0	0	0	0	0	0	0	0	0	4
	DATE OF OCCURRENCE			02										MAR 02
	NUMBER OF DAYS WITH:													
	SNOWFALL >= 1.0	0	0	1	0	0	0	0	0	0	0	0	0	1

NORMALS, MEANS, AND EXTREMES
GREER (KGSP)

LATITUDE: 34 ° 53'N **LONGITUDE:** -82 ° 13'W **ELEVATION (FT):** GRND: 935 BARO: 943 **TIME ZONE:** EASTERN (UTC -5) **WBAN: 03870**

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	50.2	54.8	62.7	71.0	78.2	85.1	88.8	87.1	81.1	71.4	61.3	52.7	70.4
	MEAN DAILY MAXIMUM	47	51.1	54.9	63.6	72.3	79.3	85.7	88.7	87.3	81.3	71.8	62.4	53.5	71.0
	HIGHEST DAILY MAXIMUM	47	79	81	89	93	97	100	104	105	96	92	85	79	105
	YEAR OF OCCURRENCE		1975	1996	1995	1986	1967	2008	1999	2007	2007	1986	1974	2007	AUG 2007
	MEAN OF EXTREME MAXS.	47	69.1	72.0	80.3	86.1	89.9	94.6	96.3	95.2	90.9	84.2	77.1	69.7	83.8
	NORMAL DAILY MINIMUM	30	31.4	33.9	40.5	47.0	56.2	64.3	68.7	67.9	61.7	49.7	41.0	34.3	49.7
	MEAN DAILY MINIMUM	47	31.2	33.2	40.4	48.0	56.6	64.6	68.7	67.9	61.5	49.5	40.5	33.7	49.7
	LOWEST DAILY MINIMUM	47	-6	8	11	24	31	40	54	52	36	25	12	5	-6
	YEAR OF OCCURRENCE		1966	1996	1993	2007	1989	1972	1979	1968	1967	1976	1970	1985	JAN 1966
	MEAN OF EXTREME MINS.	47	14.0	17.4	23.3	32.5	42.1	53.6	61.4	60.0	48.2	33.4	25.0	17.6	35.7
	NORMAL DRY BULB	30	40.8	44.4	51.6	59.0	67.2	74.7	78.8	77.5	71.4	60.5	51.1	43.5	60.0
	MEAN DRY BULB	47	41.2	44.0	52.0	60.2	68.0	75.3	78.7	77.6	71.4	60.7	51.5	43.6	60.4
	MEAN WET BULB	26	35.7	38.0	44.0	51.1	59.9	66.9	70.2	69.8	64.0	54.2	45.2	37.8	53.1
	MEAN DEW POINT	26	30.8	33.0	38.7	46.3	56.7	64.5	68.2	67.9	61.6	50.9	41.4	33.2	49.4
	NORMAL NO. DAYS WITH:														
	MAXIMUM >= 90	30	0.0	0.0	0.0	0.2	1.2	8.2	15.4	10.0	2.9	0.1	0.0	0.0	38.0
	MAXIMUM <= 32	30	1.1	0.5	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.9
	MINIMUM <= 32	30	17.6	13.4	6.9	1.2	*	0.0	0.0	0.0	0.0	0.7	6.9	14.9	61.6
	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
H/C	NORMAL HEATING DEG. DAYS	30	750	586	420	197	47	3	0	0	19	178	417	655	3272
	NORMAL COOLING DEG. DAYS	30	0	0	5	30	127	304	430	384	207	35	3	1	1526
RH	NORMAL (PERCENT)	30	67	64	63	62	69	72	73	76	75	71	70	68	69
	HOUR 01 LST	30	74	71	71	71	81	84	86	88	87	83	78	75	79
	HOUR 07 LST	30	78	77	77	78	84	85	87	90	90	86	83	79	83
	HOUR 13 LST	30	56	52	51	47	53	54	56	58	59	52	54	55	54
	HOUR 19 LST	30	64	59	56	53	62	64	67	70	74	71	69	66	65
S	PERCENT POSSIBLE SUNSHINE	39	54	57	63	66	62	62	60	61	62	66	59	54	61
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	46	4.1	3.0	2.4	1.6	1.4	1.2	1.7	2.0	1.9	1.9	3.4	4.3	28.9
	THUNDERSTORMS	47	0.9	0.9	2.4	3.2	6.0	7.4	9.8	6.9	3.3	0.8	0.8	0.6	43.0
CLOUDNESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	34	4.7	4.6	4.6	4.2	4.7	4.6	4.7	4.5	4.3	3.6	4.0	4.5	4.4
	MIDNIGHT-MIDNIGHT (OKTAS)	32	4.6	4.4	4.4	3.9	4.4	4.3	4.6	4.4	4.1	3.6	3.9	4.3	4.2
	MEAN NO. DAYS WITH:														
	CLEAR	34	10.3	9.8	10.2	11.1	8.4	8.3	7.1	8.0	10.0	14.0	12.4	11.0	120.6
	PARTLY CLOUDY	34	5.9	5.5	7.6	8.4	10.0	10.9	12.5	12.3	8.6	6.7	5.8	5.8	100.0
	CLOUDY	34	14.7	13.0	13.2	10.5	12.5	10.8	11.4	10.7	11.4	10.3	11.8	14.2	144.5
PR	MEAN STATION PRESSURE(IN)	26	29.08	29.05	29.02	28.97	28.99	28.99	29.01	29.02	29.04	29.07	29.09	29.09	29.04
	MEAN SEA-LEVEL PRES. (IN)	26	30.12	30.09	30.05	29.99	30.00	29.99	30.01	30.02	30.05	30.09	30.12	30.14	30.06
WINDS	MEAN SPEED (MPH)	26	7.6	7.8	8.4	8.1	7.2	6.4	5.9	5.6	6.2	6.2	6.7	7.0	6.9
	PREVAIL.DIR(TENS OF DEGS)	30	24	24	24	23	24	25	24	03	03	04	04	24	03
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	13	38	39	36	41	43	46	44	43	33	29	31	33	46
	DIR. (TENS OF DEGS)		17	20	25	24	36	25	25	16	12	26	03	23	25
	YEAR OF OCCURRENCE		2006	2009	2000	2005	1998	2009	2008	2008	2004	2004	2009	2006	JUN 2009
	MAXIMUM 3-SECOND														
	SPEED (MPH)	13	49	58	46	54	58	76	56	64	48	41	38	46	76
	DIR. (TENS OF DEGS)		24	29	25	29	27	23	25	13	28	24	03	22	23
	YEAR OF OCCURRENCE		2009	2009	2000	1998	2003	2009	2008	2008	2003	2004	2009	2009	JUN 2009
PRECIPITATION	NORMAL (IN)	30	4.41	4.24	5.31	3.54	4.59	3.92	4.65	4.08	3.97	3.88	3.79	3.86	50.24
	MAXIMUM MONTHLY (IN)	47	7.19	7.43	11.37	11.30	8.89	10.12	13.57	17.37	11.65	10.24	7.85	8.67	17.37
	YEAR OF OCCURRENCE		1993	1971	1980	1964	1972	1994	1984	1995	1975	1964	1992	2009	AUG 1995
	MINIMUM MONTHLY (IN)	47	0.29	0.53	1.13	0.69	1.09	0.13	0.75	0.79	.16	0.00	0.89	0.37	0.00
	YEAR OF OCCURRENCE		1981	1978	1985	1976	1965	2008	1993	1999	2005	2000	2007	1965	OCT 2000
	MAXIMUM IN 24 HOURS (IN)	47	3.30	3.57	4.45	3.76	3.79	4.80	4.68	12.32	6.21	4.93	4.23	3.54	12.32
	YEAR OF OCCURRENCE		1982	1984	1963	1963	1996	1980	2005	1995	1973	1990	2009	2004	AUG 1995
	NORMAL NO. DAYS WITH:														
	PRECIPITATION >= 0.01	30	11.3	9.3	11.0	8.7	10.6	10.2	11.8	10.2	9.1	7.1	9.4	10.3	119.0
	PRECIPITATION >= 1.00	30	1.1	1.1	1.7	1.0	1.4	1.0	1.4	1.0	1.2	1.0	1.2	1.1	14.2
SNOWFALL	NORMAL (IN)	30	2.4	1.5	1.2	0.*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	5.9
	MAXIMUM MONTHLY (IN)	47	12.0	12.3	9.8	0.3	T	T	T	T	0.0	0.0	2.5	11.4	12.3
	YEAR OF OCCURRENCE		1988	1979	1993	1987	2008	1994	2008	2000			2000	1971	FEB 1979
	MAXIMUM IN 24 HOURS (IN)	47	12.0	8.2	9.8	0.3	T	T	T	T	0.0	0.0	2.5	11.4	12.0
	YEAR OF OCCURRENCE'		1988	1979	1993	1987	1996	1994	1995	2000			2000	1971	JAN 1988
	MAXIMUM SNOW DEPTH (IN)	46	12	8	5	0	0	0	0	0	0	0	1	10	12
	YEAR OF OCCURRENCE		1988	1979	1983								1968	1971	JAN 1988
	NORMAL NO. DAYS WITH:														
	SNOWFALL >= 1.0	30	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.4

PRECIPITATION (inches) 2009 GREER (KGSP)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1980	4.28	1.19	11.37	3.47	5.92	6.72	1.05	3.33	5.82	2.83	4.11	0.64	50.73
1981	0.29	3.86	3.22	0.88	4.15	1.29	5.30	1.17	2.08	4.40	1.66	7.19	35.49
1982	6.27	5.21	2.77	4.57	6.18	3.32	12.52	1.66	1.44	3.07	4.17	5.02	56.20
1983	2.70	5.26	6.26	4.66	5.80	4.67	1.13	3.27	3.59	3.05	5.29	8.45	54.13
1984	3.04	7.04	5.67	4.76	8.30	3.07	13.57	4.00	1.34	2.28	2.60	2.22	57.89
1985	4.94	4.29	1.13	1.31	2.42	2.85	6.96	5.93	1.62	4.55	7.52	1.44	44.96
1986	1.10	1.46	2.64	1.10	6.34	0.93	1.63	5.93	2.56	6.11	5.37	4.17	39.34
1987	4.65	7.33	5.01	2.30	1.31	6.68	3.58	2.79	3.33	0.37	2.81	4.62	44.78
1988	3.91	1.79	3.67	3.41	1.96	3.25	2.18	3.93	4.57	3.38	4.26	1.90	38.21
1989	1.51	4.93	4.48	3.15	3.64	6.00	5.11	4.71	5.42	3.10	3.74	4.76	50.55
1990	4.37	5.97	6.67	2.22	2.70	0.90	3.61	6.21	2.12	9.45	1.93	3.26	49.41
1991	4.72	2.24	5.82	5.65	6.37	1.72	5.74	9.02	1.44	0.24	1.39	2.90	47.25
1992	2.50	6.12	5.45	4.81	5.03	4.97	2.66	5.54	4.30	6.27	7.85	5.08	60.58
1993	7.19	3.56	10.27	2.91	3.08	0.17	0.75	0.87	1.71	2.07	3.73	2.94	39.25
1994	4.24	3.47	4.46	2.61	1.44	10.12	6.56	5.76	2.06	4.28	2.43	3.96	51.39
1995	6.42	5.08	2.30	1.58	4.53	4.84	2.69	17.37	2.13	5.96	5.13	2.05	60.08
1996	5.54	3.75	7.64	3.09	5.00	4.03	4.43	6.27	4.62	.82	4.34	4.17	53.70
1997	4.82	6.07	2.67	4.11	3.37	6.02	6.02	0.92	3.26	4.85	3.70	4.25	50.06
1998	6.76	6.94	4.31	9.15	1.77	3.80	3.27	2.27	4.31	2.77	2.39	4.24	51.98
1999	3.84	2.84	2.33	3.95	1.37	4.67	1.95	0.79	3.04	5.86	2.67	2.62	35.93
2000	3.72	1.87	4.35	4.70	2.19	1.31	5.23	1.42	4.24	0.00	4.06	1.95	35.04
2001	3.01	2.31	6.69	1.10	2.14	3.77	6.01	1.01	6.74	3.39	1.98	2.23	40.38
2002	4.86	1.39	5.11	0.74	3.84	0.52	4.41	4.23	7.20	4.66	4.42	6.47	47.85
2003	1.91	4.02	6.71	7.13	7.64	6.24	8.03	11.34	1.72	2.07	3.64	2.66	63.11
2004	1.36	4.52	1.26	1.84	3.33	5.32	4.74	3.19	11.12	0.89	3.65	6.48	47.70
2005	1.47	3.16	5.79	3.41	3.92	9.99	8.85	3.66	0.16	4.12	3.79	4.82	53.14
2006	3.81	1.19	1.34	3.60	1.22	5.18	2.52	6.48	3.96	4.58	3.58	4.34	41.80
2007	4.67	2.42	3.70	1.82	1.56	3.21	2.99	1.78	1.31	1.58	0.89	5.15	31.08
2008	2.28	3.83	4.34	4.11	1.88	0.13	3.19	5.53	3.74	2.42	2.56	4.01	38.02
2009	2.98	2.97	6.93	4.23	4.32	3.29	1.78	1.21	5.52	5.17	5.76	8.67	52.83
POR= 47 YRS	4.02	3.96	5.16	3.69	4.05	4.35	4.56	4.18	3.97	3.71	3.61	4.02	49.28

WBAN : 03870

AVERAGE TEMPERATURE (°F) 2009 GREER (KGSP)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1980	44.0	39.3	47.6	59.1	68.2	74.5	81.5	79.4	73.6	57.4	49.3	43.4	59.8
1981	38.1	43.3	49.1	64.2	66.3	80.3	80.1	75.4	69.3	58.0	50.8	39.3	59.5
1982	36.1	45.8	53.3	56.7	70.6	74.2	77.6	75.2	69.8	61.0	52.7	48.3	60.1
1983	39.2	42.1	51.4	54.7	66.3	73.1	79.7	79.5	69.0	59.4	49.2	39.2	58.6
1984	38.8	45.6	50.3	56.2	66.9	77.7	75.6	76.3	69.0	67.5	47.8	50.1	60.2
1985	36.2	44.6	54.2	61.8	67.9	76.7	76.4	75.1	69.6	64.3	58.6	38.9	60.4
1986	39.6	47.8	52.4	61.6	68.9	78.6	83.1	76.0	72.7	61.9	52.9	42.8	61.5
1987	39.5	43.0	50.5	58.3	71.1	76.6	80.4	79.8	71.4	55.2	52.9	45.5	60.4
1988	36.0	42.0	51.5	59.3	67.2	75.4	78.5	80.4	71.0	55.3	52.3	43.0	59.3
1989	45.8	45.4	52.9	58.6	64.4	75.5	78.3	76.8	70.3	61.6	50.8	36.9	59.8
1990	46.6	50.6	54.6	59.0	67.1	76.3	78.7	78.5	72.1	62.1	54.0	48.0	62.3
1991	41.8	46.4	53.5	62.1	71.5	75.2	80.5	76.7	71.8	61.6	49.3	47.4	61.5
1992	44.0	48.0	50.9	59.2	64.0	71.9	79.5	74.2	70.7	57.5	49.7	41.7	59.3
1993	44.2	41.9	46.9	55.6	67.3	76.3	83.2	78.8	71.9	60.3	50.4	41.4	59.9
1994	36.7	44.8	52.9	61.8	65.2	76.7	77.1	75.6	69.2	59.5	53.8	47.4	60.1
1995	42.0	42.2	54.5	62.3	69.6	75.0	82.0	80.4	70.8	61.5	46.9	40.9	60.7
1996	38.9	45.3	47.9	58.1	69.8	75.0	78.5	76.1	69.9	60.2	47.4	45.2	59.4
1997	42.7	47.6	57.2	56.5	64.7	71.4	78.8	76.6	72.0	60.3	46.9	41.9	59.7
1998	45.4	47.1	49.5	58.9	71.4	77.5	80.9	78.6	74.2	63.4	54.1	48.2	62.4
1999	45.5	47.4	48.6	62.9	67.5	74.1	79.9	81.5	72.0	61.1	56.3	46.2	61.9
2000	41.6	48.7	56.1	57.6	71.5	77.6	80.5	79.2	71.5	64.4	50.6	35.8	61.3
2001	41.7	48.3	49.5	62.0	68.8	75.0	76.7	78.6	68.5	58.0	56.7	48.2	61.0
2002	44.2	45.0	52.5	64.5	66.4	77.0	80.5	78.5	73.2	62.4	49.5	42.4	61.3
2003	39.9	43.8	54.7	59.3	67.0	73.4	77.1	77.5	70.7	60.5	56.0	41.2	60.1
2004	41.4	41.7	55.3	60.2	72.5	75.7	77.8	75.2	70.9	63.9	53.9	43.1	61.0
2005	45.9	46.5	50.3	59.2	65.6	74.6	79.6	79.5	76.3	63.9	52.9	41.6	61.3
2006	48.5	44.3	53.0	64.8	67.6	76.3	80.0	79.8	70.2	59.0	52.7	48.5	62.1
2007	45.1	42.9	58.1	59.9	68.7	77.4	77.5	84.7	75.9	66.6	51.9	49.6	63.2
2008	42.0	47.8	52.8	60.4	68.4	80.6	80.5	78.8	72.8	59.8	48.7	46.8	61.6
2009	42.1	46.1	52.5	60.8	69.7	78.1	78.4	78.9	71.9	59.1	53.7	40.2	61.0
POR= 47 YRS	41.2	44.0	52.0	60.2	68.0	75.3	78.7	77.6	71.4	60.7	51.5	43.6	60.3

HEATING DEGREE DAYS (base 65°F) 2009 GREER (KGSP)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1980-81	0	0	27	246	462	663	829	602	491	91	50	0	3461
1981-82	0	0	26	229	422	791	887	533	365	249	12	0	3514
1982-83	0	0	24	177	370	515	796	631	414	307	43	1	3278
1983-84	0	0	59	179	467	792	807	553	452	271	67	1	3648
1984-85	0	0	37	32	508	454	884	565	341	141	32	0	2994
1985-86	0	0	38	101	194	800	783	475	392	154	26	0	2963
1986-87	0	7	3	160	361	682	786	610	441	225	15	0	3290
1987-88	0	0	4	296	356	596	892	660	417	180	34	3	3438
1988-89	0	0	2	308	373	674	589	543	386	229	104	0	3208
1989-90	0	0	35	152	420	863	564	395	333	199	41	0	3002
1990-91	0	0	23	131	328	518	713	515	358	125	20	0	2731
1991-92	0	0	22	138	471	547	646	487	433	205	94	5	3048
1992-93	0	0	19	226	455	713	639	640	555	276	34	0	3557
1993-94	0	0	27	179	440	721	868	559	371	138	73	0	3376
1994-95	0	0	8	179	331	538	706	632	329	128	24	0	2875
1995-96	0	0	23	150	537	739	803	567	523	213	43	2	3600
1996-97	0	0	11	162	526	606	684	480	242	253	73	24	3061
1997-98	0	0	8	182	538	708	602	496	486	193	15	3	3231
1998-99	0	0	1	94	315	518	597	487	500	132	19	0	2663
1999-00	3	0	12	142	251	579	722	466	275	224	1	1	2676
2000-01	0	0	18	77	431	900	717	461	473	151	11	0	3239
2001-02	0	0	43	225	246	512	642	553	391	103	73	0	2788
2002-03	0	0	2	157	459	695	772	590	314	175	37	0	3201
2003-04	0	0	15	145	289	732	727	670	302	175	19	0	3074
2004-05	0	0	4	75	343	674	586	512	449	179	49	11	2882
2005-06	0	0	0	134	367	719	506	573	378	83	53	0	2813
2006-07	0	0	19	220	367	505	609	611	238	186	32	0	2787
2007-08	0	0	0	73	387	478	704	491	373	160	17	0	2683
2008-09	0	0	0	192	482	558	704	524	392	158	26	0	3036
2009-	0	0	8	196	333	761							

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COOLING DEGREE DAYS (base 65°F) 2009 GREER (KGSP)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1980	0	0	0	27	135	292	519	454	294	16	0	0	1737
1981	0	0	4	75	96	467	475	327	158	19	0	0	1621
1982	0	1	8	6	193	282	396	324	174	58	5	3	1450
1983	0	0	1	3	91	252	465	457	185	15	0	0	1469
1984	0	0	0	13	132	387	335	356	164	116	2	0	1505
1985	0	0	13	50	132	360	359	320	183	88	9	0	1514
1986	0	0	8	62	154	416	567	355	237	74	8	0	1881
1987	0	0	0	33	213	355	485	465	200	0	0	1	1752
1988	0	0	2	13	109	320	423	481	187	14	0	0	1549
1989	0	1	16	44	94	321	419	371	200	57	1	0	1524
1990	0	0	18	25	108	346	431	429	242	46	4	0	1649
1991	0	0	8	45	228	315	489	369	235	42	6	9	1746
1992	0	0	1	37	72	218	458	292	196	0	0	0	1274
1993	0	0	0	0	113	344	572	434	242	38	10	0	1753
1994	0	1	1	52	85	357	383	336	138	16	2	0	1371
1995	0	0	10	56	174	306	532	482	205	48	0	0	1813
1996	0	4	0	15	197	308	427	354	164	22	1	2	1494
1997	0	0	9	5	70	226	433	369	224	43	0	0	1379
1998	0	0	13	16	220	387	502	429	281	51	0	4	1903
1999	0	0	0	74	102	280	470	518	229	29	0	0	1702
2000	0	0	6	6	213	385	488	446	222	64	3	0	1833
2001	0	0	0	70	138	306	367	431	157	15	2	0	1486
2002	0	0	8	96	126	366	489	427	255	85	1	0	1853
2003	0	0	1	12	108	260	384	396	194	10	24	0	1389
2004	0	0	10	39	257	329	406	320	185	47	16	0	1609
2005	0	0	0	12	71	306	458	455	343	108	8	0	1761
2006	0	0	10	81	140	345	472	465	180	41	2	0	1736
2007	0	0	33	39	153	378	396	618	336	125	2	7	2087
2008	0	0	1	29	130	475	487	435	237	38	0	0	1832
2009	0	0	14	38	181	398	423	437	219	22	0	0	1732

SNOWFALL (inches) 2009 GREER (KGSP)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1980-81	0.0	0.0	0.0	0.0	0.0	T	1.0	0.0	T	0.0	0.0	0.0	1.0
1981-82	0.0	0.0	0.0	0.0	0.0	T	7.0	5.1	0.0	0.0	0.0	0.0	12.1
1982-83	0.0	0.0	0.0	0.0	0.0	0.0	4.4	3.0	9.3	0.1	0.0	0.0	16.8
1983-84	0.0	0.0	0.0	0.0	0.0	T	T	0.6	0.0	0.0	0.0	0.0	0.6
1984-85	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.3	0.0	0.0	0.0	0.0	1.5
1985-86	0.0	0.0	0.0	0.0	0.0	0.0	T	1.4	T	0.0	0.0	0.0	1.4
1986-87	0.0	0.0	0.0	0.0	T	0.0	10.8	0.9	T	0.3	0.0	0.0	12.0
1987-88	0.0	0.0	0.0	0.0	0.5	T	12.0	0.0	0.0	0.0	0.0	0.0	12.5
1988-89	0.0	0.0	0.0	0.0	0.0	0.0	T	2.5	0.0	0.0	0.0	0.0	2.5
1989-90	T	0.0	0.0	0.0	T	0.9	0.0	0.0	0.0	T	0.0	0.0	0.9
1990-91	0.0	0.0	0.0	0.0	0.0	T	3.8	0.0	0.0	0.0	0.0	0.0	3.8
1991-92	0.0	0.0	0.0	0.0	T	T	T	T	0.0	0.0	T	0.0	T
1992-93	0.0	0.0	0.0	0.0	0.0	T	0.0	0.4	9.8	0.0	0.0	0.0	10.2
1993-94	0.0	0.0	0.0	0.0	0.0	0.7	1.7	0.4	0.0	0.0	0.0	T	2.8
1994-95	0.0	0.0	0.0	0.0	0.0	T	0.4	T	0.0	0.0	0.0	0.0	0.4
1995-96	T	0.0	0.0	0.0	T	0.0	7.8	1.4	T	0.0	T	0.0	9.2
1996-97	T		0.0	0.0	T	2.0	0.1	0.3	T	0.0	0.0	0.0	
1997-98	0.0	0.0	0.0	0.0	T	3.2	T	0.0	0.0	0.0	0.0	0.0	3.2
1998-99	0.0	0.0	0.0	0.0	0.0	T	0.8	T	1.1	0.0	0.0	0.0	1.9
1999-00	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	T	0.0	4.0
2000-01	T	T	0.0	0.0	2.5	3.0	T	T	0.8	T	0.0	0.0	6.3
2001-02	0.0	0.0	0.0	0.0	0.0	0.0	4.1	T	0.0	0.0	0.0	0.0	4.1
2002-03	0.0	0.0	0.0	0.0	0.0	T	4.5	0.8	T	T	T	0.0	5.3
2003-04	0.0	0.0	0.0	0.0	0.0	T	1.0	8.3	0.0	0.0	0.0	0.0	9.3
2004-05	0.0	0.0	0.0	0.0	0.0	0.0	1.1	T	0.1	0.0	0.0	0.0	1.2
2005-06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	T
2006-07	0.0	0.0	0.0	0.0	0.0	0.0	T	1.5	0.0	T	0.0	0.0	1.5
2007-08	0.0	0.0	0.0	0.0	0.0	T	3.1	T	0.0	0.0	T	0.0	3.1
2008-09	T	0.0	0.0	0.0	0.0	0.0	0.0	T	4.4	T	0.0	0.0	4.4
2009-	0.0	0.0	0.0	0.0	0.0	T							
POR= 47 YRS	T	T	0.0	0.0	0.1	0.6	2.2	1.5	0.9	T	T	T	5.3

WBAN : 03870

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.

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.

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.

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
GREENVILLE-SPARTANBURG (GREER)
SOUTH CAROLINA (KGSP)

This station, three miles south of Greer, South Carolina, is located in the Piedmont section, on the eastern slope of the Southern Appalachian Mountains. It is rolling country with the first ridge of the mountains about 20 miles to the northwest and the main ridge about 55 miles to the northwest. These mountains usually protect this area from the full force of the cold air masses which move southeastward from central Canada during the winter months.

At present, the National Weather Service Office is located at the Greenville-Spartanburg Jet Age Airport, on a level with, or slightly higher than, most of the surrounding countryside. No bodies of water are nearby. Temperatures are quite consistent with those in Greer, Greenville, and Spartanburg.

The elevation of the area, ranging from 800 to 1,100 feet is conducive to cool nights, especially during the summer months. Winters are quite pleasant, with the temperature remaining below freezing throughout the daylight hours only a few times during a normal year. There are usually two freezing rainstorms each winter and two or three small snowstorms.

Rainfall in this section is usually abundant and spread quite evenly through the months. Droughts have been experienced, but are usually of short duration.

The mountain ridges, which lie in a northeast-southwest direction, appear to have a definite overall influence on the direction of the wind. The prevailing directions are northeast and southwest, divided almost evenly, with fall and winter favoring northeast and spring and summer favoring southwest. Destructive winds occur occasionally, while tornadoes are infrequent in this vicinity.

In the southern two-thirds of Greenville and Spartanburg Counties, including the cities of the same names, the average occurrence of the last temperature of 32 degrees in spring is late March and the average occurrence of the first in fall is early November, giving an average growing season of 225 days. In a normal year some flowering shrubs bloom through the winter. In the higher elevations in the northern thirds of these counties, the growing season begins about one month later and ends about one month earlier.

Station Location GREER

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	Latitude NORTH	Longitude WEST	ELEVATION ABOVE SEA LEVEL: GROUND TEMPERATURE SITE	ELEVATION ABOVE GROUND: WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAUGE	WEIGHING RAIN GAUGE	8 INCH RAIN GAUGE	HYGROTHERMOMETER	AUTOMATIC OBSERVING EQUIPMENT *	REMARKS
AIRPORT																
Control Tower Bldg. Greenville-Spartanburg Airport, Greer, S. C.	10/15/62	04/01/96	NA	34° 54'	82° 13'	b957	23		d16	20	16	c16	15	a4		a. Installed 10/25/62. b. Established 10/25/62. c. Installed on roof 5/1/64. d. Installed on roof 11/8/71.
Grnvl-Spartanburg AP	04/01/96	Present	NA	34° 54'	82° 13'	e940									S	ASOS Commissioned 04/01/96. e. Ground elevation.

* TYPE
M = AMOS
T = AUTOB
S = ASOS
W = AWOS

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