

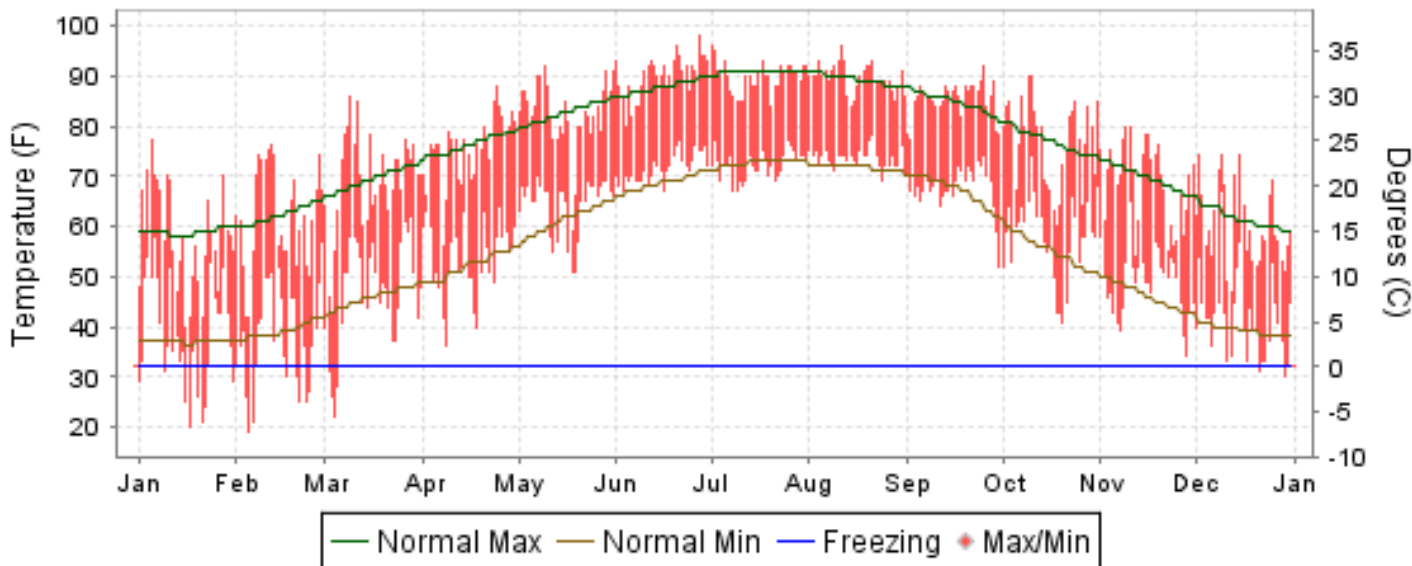


2009 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

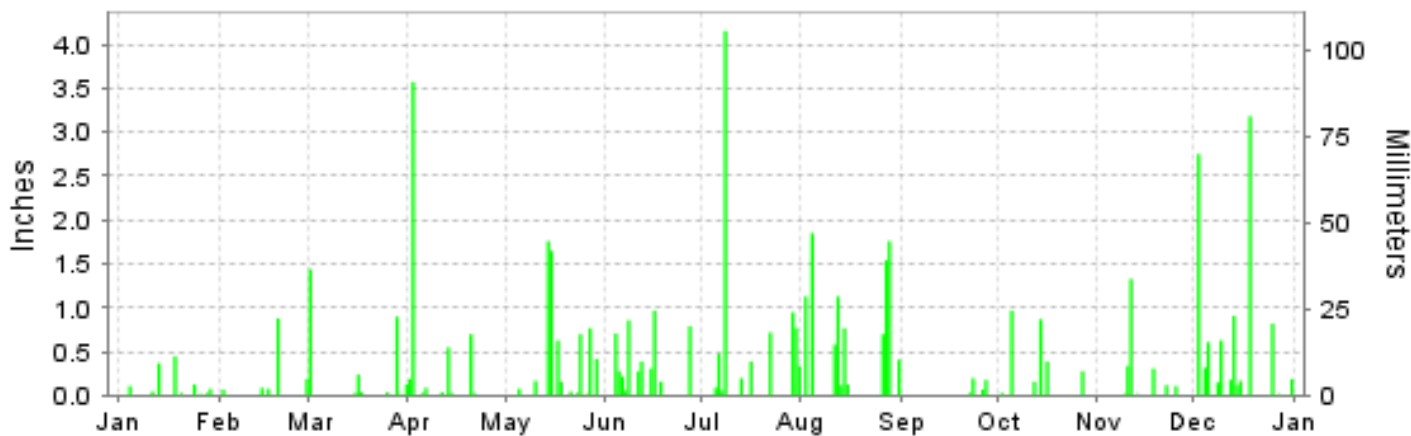
ISSN 0198-4616

CHARLESTON, SOUTH CAROLINA (KCHS)

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

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2009

CHARLESTON (KCHS)

LATITUDE: 32 ° 53'N LONGITUDE: -80 ° 2 'W ELEVATION (FT): GRND: 39 BARO: 48 TIME ZONE: EASTERN (UTC -5) WBAN: 13880

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|--------------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 58.0 | 61.8 | 69.1 | 75.4 | 82.5 | 90.2 | 89.8 | 89.7 | 85.5 | 77.0 | 68.7 | 60.3 | 75.7 | |
| | HIGHEST DAILY MAXIMUM | 77 | 76 | 86 | 88 | 92 | 98 | 96 | 96 | 92 | 90 | 80 | 74 | 98 | |
| | DATE OF OCCURRENCE | 05 | 12 | 09 | 24 | 09 | 27 | 01 | 11 | 25 | 10+ | 10+ | 15+ | JUN 27 | |
| | MEAN DAILY MINIMUM | 38.4 | 37.7 | 46.8 | 53.5 | 64.2 | 71.5 | 72.0 | 73.4 | 67.7 | 57.9 | 48.8 | 41.6 | 56.1 | |
| | LOWEST DAILY MINIMUM | 20 | 19 | 22 | 36 | 51 | 67 | 67 | 69 | 52 | 41 | 34 | 30 | 19 | |
| | DATE OF OCCURRENCE | 17 | 05 | 04 | 08 | 19+ | 03+ | 09+ | 24 | 30 | 20 | 28 | 29 | FEB 05 | |
| | AVERAGE DRY BULB | 48.2 | 49.8 | 58.0 | 64.5 | 73.4 | 80.9 | 80.9 | 81.6 | 76.6 | 67.5 | 58.8 | 51.0 | 65.9 | |
| | MEAN WET BULB | 43.6 | 43.3 | 52.3 | 58.2 | 67.7 | 73.7 | 73.5 | 75.2 | 69.5 | 62.5 | 53.9 | 46.6 | 60.0 | |
| | MEAN DEW POINT | 37.1 | 34.5 | 47.1 | 52.9 | 65.0 | 70.9 | 70.5 | 72.9 | 66.2 | 59.5 | 50.2 | 41.5 | 55.7 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM >= 90° | 0 | 0 | 0 | 0 | 5 | 20 | 20 | 17 | 1 | 2 | 0 | 0 | 65 | |
| | MAXIMUM <= 32° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| MINIMUM <= 32° | 9 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 26 | | |
| MINIMUM <= 0° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| H/C | HEATING DEGREE DAYS | 513 | 418 | 236 | 75 | 16 | 0 | 0 | 0 | 0 | 59 | 189 | 436 | 1942 | |
| | COOLING DEGREE DAYS | 0 | 0 | 26 | 64 | 282 | 485 | 501 | 523 | 357 | 144 | 14 | 7 | 2403 | |
| RH | MEAN (PERCENT) | 69 | 61 | 72 | 70 | 79 | 76 | 75 | 80 | 75 | 79 | 78 | 74 | 74 | |
| | HOUR 01 LST | 75 | 75 | 88 | 84 | 91 | 90 | 89 | 92 | 88 | 89 | 89 | 80 | 86 | |
| | HOUR 07 LST | 78 | 74 | 83 | 77 | 82 | 79 | 77 | 85 | 82 | 84 | 88 | 81 | 81 | |
| | HOUR 13 LST | 53 | 39 | 49 | 47 | 63 | 58 | 54 | 62 | 55 | 62 | 58 | 59 | 55 | |
| | HOUR 19 LST | 72 | 61 | 73 | 74 | 82 | 81 | 79 | 84 | 77 | 84 | 80 | 77 | 77 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG(VISBY <= 1/4 MI) | 7 | 4 | 3 | 2 | 1 | 0 | 3 | 1 | 0 | 3 | 1 | 2 | 27 | |
| | THUNDERSTORMS | 0 | 0 | 2 | 3 | 8 | 15 | 10 | 8 | 2 | 0 | 0 | 1 | 49 | |
| 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.) | 30.06 | 30.13 | 30.11 | 29.99 | 29.98 | 29.80 | 29.93 | 29.99 | 29.96 | 29.97 | 29.99 | 30.02 | 29.99 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.10 | 30.19 | 30.16 | 30.04 | 30.03 | 29.87 | 29.98 | 30.04 | 30.02 | 30.02 | 30.05 | 30.08 | 30.05 | |
| WINDS | RESULTANT SPEED (MPH) | 3.0 | 2.6 | 1.0 | 4.1 | 2.3 | 2.3 | 3.6 | 2.4 | 3.5 | 1.6 | 3.7 | 2.4 | 0.9 | |
| | RES. DIR. (TENS OF DEGS.) | 25 | 24 | 16 | 21 | 14 | 22 | 21 | 20 | 04 | 36 | 35 | 34 | 24 | |
| | MEAN SPEED (MPH) | 8.1 | 8.4 | 8.8 | 9.4 | 9.5 | 6.3 | 7.1 | 5.6 | 6.7 | 6.6 | 6.5 | 8.1 | 7.6 | |
| | PREVAIL.DIR.(TENS OF DEGS.) | 21 | 20 | 20 | 19 | 19 | 19 | 20 | 20 | 03 | 01 | 34 | 04 | 19 | |
| | MAXIMUM 2-MINUTE WIND | | | | | | | | | | | | | | |
| | SPEED (MPH) | 36 | 32 | 29 | 32 | 30 | 38 | 30 | 29 | 24 | 24 | 24 | 33 | 38 | |
| | DIR. (TENS OF DEGS.) | 26 | 17 | 20 | 14 | 08 | 31 | 20 | 30 | 24 | 21 | 34 | 20 | 31 | |
| | DATE OF OCCURRENCE | 07 | 28 | 28 | 13 | 21 | 16 | 06 | 12 | 27 | 24 | 13 | 02 | JUN 16 | |
| | MAXIMUM 3-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 46 | 39 | 38 | 38 | 37 | 47 | 39 | 37 | 31 | 30 | 31 | 41 | 47 | |
| DIR. (TENS OF DEGS.) | 26 | 20 | 25 | 21 | 08 | 31 | 22 | 31 | 25 | 21 | 35 | 20 | 31 | | |
| DATE OF OCCURRENCE | 07 | 11 | 29 | 10 | 20 | 16 | 06 | 12 | 27 | 24 | 12 | 02 | JUN 16 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 1.29 | 1.33 | 2.84 | 5.24 | 6.45 | 5.04 | 8.16 | 10.12 | 0.48 | 2.71 | 2.25 | 10.06 | 55.97 | |
| | GREATEST 24-HOUR (IN.) | 0.45 | 0.89 | 1.44 | 3.57 | 1.83 | 0.97 | 4.15 | 1.85 | 0.23 | 0.97 | 1.56 | 3.18 | 4.15 | |
| | DATE OF OCCURRENCE | 18 | 18-19 | 01 | 02 | 14-15 | 16 | 08 | 04 | 22-23 | 05 | 10-11 | 18 | JUL 08 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION 0.01 | 11 | 7 | 8 | 10 | 13 | 12 | 11 | 11 | 4 | 7 | 7 | 14 | 115 | |
| PRECIPITATION 0.10 | 4 | 2 | 4 | 4 | 8 | 10 | 8 | 11 | 2 | 5 | 5 | 12 | 75 | | |
| PRECIPITATION 1.00 | 0 | 0 | 1 | 1 | 2 | 0 | 1 | 5 | 0 | 0 | 1 | 2 | 13 | | |
| SNOWFALL | SNOW,ICE PELLETS,HAIL | | | | | | | | | | | | | | |
| | TOTAL (IN.) | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | |
| | GREATEST 24-HOUR (IN.) | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | |
| | DATE OF OCCURRENCE | 20 | | | | | | | | | | | | JAN 20 | |
| | MAXIMUM SNOW DEPTH (IN.) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| SNOWFALL >= 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |

NORMALS, MEANS, AND EXTREMES CHARLESTON (KCHS)

LATITUDE: 32 ° 53'N **LONGITUDE:** -80 ° 2 'W **ELEVATION (FT):** GRND: 39 BARO: 48 **TIME ZONE:** EASTERN (UTC -5) **WBAN: 13880**

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|--|---|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 58.9 | 62.3 | 69.3 | 76.1 | 82.9 | 87.9 | 90.9 | 89.4 | 85.0 | 77.0 | 69.6 | 61.6 | 75.9 |
| | MEAN DAILY MAXIMUM | 80 | 59.3 | 60.7 | 68.2 | 75.1 | 82.4 | 86.9 | 89.8 | 88.8 | 84.1 | 76.7 | 68.2 | 60.9 | 75.1 |
| | HIGHEST DAILY MAXIMUM | 67 | 83 | 87 | 90 | 95 | 98 | 103 | 104 | 105 | 99 | 94 | 88 | 83 | 105 |
| | YEAR OF OCCURRENCE | | 1950 | 1989 | 1974 | 2002 | 1989 | 1944 | 1986 | 1999 | 1944 | 1986 | 1961 | 1972 | AUG 1999 |
| | MEAN OF EXTREME MAXS. | 80 | 75.8 | 78.0 | 83.0 | 88.3 | 92.6 | 96.4 | 96.8 | 96.0 | 92.3 | 87.1 | 81.7 | 76.7 | 87.1 |
| | NORMAL DAILY MINIMUM | 30 | 36.9 | 39.1 | 46.0 | 52.2 | 61.3 | 68.5 | 72.5 | 71.6 | 67.1 | 55.3 | 46.4 | 39.3 | 54.7 |
| | MEAN DAILY MINIMUM | 80 | 39.1 | 40.0 | 47.0 | 53.6 | 62.7 | 69.2 | 72.9 | 72.3 | 67.5 | 56.9 | 46.8 | 40.3 | 55.7 |
| | LOWEST DAILY MINIMUM | 67 | 6 | 12 | 15 | 29 | 36 | 50 | 58 | 56 | 42 | 27 | 15 | 8 | 6 |
| | YEAR OF OCCURRENCE | | 1985 | 1973 | 1980 | 1944 | 1963 | 1972 | 1952 | 1979 | 1967 | 1976 | 1950 | 1962 | JAN 1985 |
| | MEAN OF EXTREME MINS. | 80 | 21.1 | 24.1 | 29.4 | 37.6 | 48.4 | 58.9 | 65.8 | 64.7 | 55.5 | 39.4 | 29.7 | 22.9 | 41.5 |
| | NORMAL DRY BULB | 30 | 47.9 | 50.7 | 57.7 | 64.2 | 72.1 | 78.2 | 81.7 | 80.5 | 76.1 | 66.2 | 58.0 | 50.5 | 65.3 |
| | MEAN DRY BULB | 80 | 49.2 | 50.4 | 57.6 | 64.4 | 72.6 | 78.1 | 81.4 | 80.6 | 75.8 | 66.8 | 57.5 | 50.6 | 65.4 |
| | MEAN WET BULB | 26 | 43.5 | 45.8 | 51.3 | 57.1 | 65.1 | 71.9 | 74.9 | 74.4 | 69.9 | 61.1 | 53.1 | 45.9 | 59.5 |
| | MEAN DEW POINT | 26 | 39.5 | 42.1 | 47.2 | 53.3 | 62.4 | 70.0 | 73.3 | 72.9 | 68.0 | 58.7 | 50.1 | 42.1 | 56.6 |
| | NORMAL NO. DAYS WITH: MAXIMUM >= 90 | 30 | 0.0 | 0.0 | * | 0.9 | 3.8 | 11.5 | 19.8 | 15.6 | 6.1 | 0.4 | 0.0 | 0.0 | 58.1 |
| | MAXIMUM <= 32 | 30 | 0.2 | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 |
| MINIMUM <= 32 | 30 | 9.8 | 6.5 | 1.8 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.7 | 7.5 | 27.5 | |
| 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 | 523 | 394 | 242 | 95 | 11 | 1 | 0 | 0 | 2 | 69 | 229 | 439 | 2005 |
| | NORMAL COOLING DEG. DAYS | 30 | 3 | 7 | 29 | 84 | 242 | 408 | 532 | 494 | 348 | 121 | 34 | 4 | 2306 |
| RH | NORMAL (PERCENT) | 30 | 71 | 69 | 68 | 68 | 73 | 76 | 77 | 79 | 79 | 75 | 74 | 73 | 74 |
| | HOURLY 01 LST | 30 | 79 | 78 | 80 | 82 | 87 | 88 | 89 | 90 | 89 | 87 | 85 | 81 | 85 |
| | HOURLY 07 LST | 30 | 81 | 81 | 83 | 84 | 85 | 86 | 87 | 90 | 90 | 88 | 86 | 84 | 85 |
| | HOURLY 13 LST | 30 | 57 | 53 | 50 | 47 | 53 | 58 | 60 | 62 | 62 | 56 | 54 | 57 | 56 |
| | HOURLY 19 LST | 30 | 70 | 66 | 64 | 63 | 68 | 72 | 74 | 77 | 78 | 76 | 75 | 72 | 71 |
| S | PERCENT POSSIBLE SUNSHINE | 39 | 56 | 60 | 66 | 71 | 70 | 66 | 67 | 64 | 61 | 63 | 59 | 56 | 63 |
| W/O | MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI) | 46 | 4.1 | 2.0 | 2.3 | 1.8 | 2.0 | 1.2 | 0.7 | 1.0 | 1.7 | 2.3 | 3.4 | 3.8 | 26.3 |
| | THUNDERSTORMS | 64 | 0.8 | 1.0 | 2.5 | 3.2 | 6.3 | 10.1 | 13.4 | 11.5 | 5.2 | 1.6 | 0.8 | 0.6 | 57.0 |
| CLOUDNESS | MEAN: SUNRISE-SUNSET (OKTAS) | 1 | | | 5.6 | | 2.4 | 4.0 | | | | | | | |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 1 | | | 5.6 | | 4.0 | | | | | | | | |
| | MEAN NO. DAYS WITH: CLEAR | 1 | 3.0 | 4.0 | 11.0 | | 13.0 | 9.0 | | | | | | | |
| | PARTLY CLOUDY | 1 | 1.0 | 2.0 | 3.0 | | 4.0 | 11.0 | | | | | | | |
| | CLOUDY | 1 | 4.0 | 3.0 | 9.0 | | 3.0 | 2.0 | | | | | | | |
| PR | MEAN STATION PRESSURE(IN) | 26 | 30.09 | 30.06 | 30.02 | 29.97 | 29.97 | 29.96 | 29.98 | 29.98 | 29.98 | 30.03 | 30.07 | 30.10 | 30.02 |
| | MEAN SEA-LEVEL PRES. (IN) | 26 | 30.15 | 30.12 | 30.07 | 30.02 | 30.02 | 30.01 | 30.03 | 30.02 | 30.03 | 30.08 | 30.12 | 30.15 | 30.07 |
| WINDS | MEAN SPEED (MPH) | 26 | 8.4 | 8.7 | 9.3 | 9.2 | 8.4 | 7.8 | 7.4 | 7.0 | 7.5 | 7.3 | 7.4 | 7.7 | 8.0 |
| | PREVAIL.DIR(TENS OF DEGS) | 38 | 28 | 21 | 21 | 21 | 21 | 21 | 21 | 20 | 03 | 03 | 02 | 02 | 03 |
| | MAXIMUM 2-MINUTE: SPEED (MPH) | 14 | 36 | 38 | 40 | 43 | 47 | 44 | 40 | 43 | 51 | 39 | 36 | 38 | 51 |
| | DIR. (TENS OF DEGS) | | 26 | 19 | 24 | 20 | 30 | 17 | 28 | 29 | 36 | 21 | 22 | 26 | 36 |
| | YEAR OF OCCURRENCE | | 2009 | 2007 | 2008 | 2007 | 2006 | 1997 | 2002 | 2004 | 1999 | 1996 | 2006 | 2000 | SEP 1999 |
| | MAXIMUM 3-SECOND SPEED (MPH) | 14 | 46 | 47 | 52 | 53 | 54 | 56 | 55 | 55 | 67 | 56 | 44 | 49 | 67 |
| | DIR. (TENS OF DEGS) | | 26 | 19 | 24 | 19 | 30 | 19 | 11 | 29 | 36 | 21 | 19 | 23 | 36 |
| | YEAR OF OCCURRENCE | | 2009 | 2007 | 1997 | 2007 | 2006 | 2003 | 1999 | 2004 | 1999 | 1996 | 2006 | 2002 | SEP 1999 |
| PRECIPITATION | NORMAL (IN) | 30 | 4.08 | 3.08 | 4.00 | 2.77 | 3.67 | 5.92 | 6.13 | 6.91 | 5.98 | 3.09 | 2.66 | 3.24 | 51.53 |
| | MAXIMUM MONTHLY (IN) | 67 | 8.92 | 10.17 | 11.11 | 9.50 | 9.28 | 27.24 | 18.46 | 16.99 | 17.31 | 12.11 | 7.35 | 10.06 | 27.24 |
| | YEAR OF OCCURRENCE | | 1993 | 1998 | 1983 | 1958 | 1957 | 1973 | 1964 | 1974 | 1945 | 1994 | 1972 | 2009 | JUN 1973 |
| | MINIMUM MONTHLY (IN) | 67 | 0.63 | 0.33 | 0.36 | 0.01 | 0.57 | 0.96 | 1.76 | 0.73 | 0.18 | 0.08 | 0.03 | 0.35 | 0.01 |
| | YEAR OF OCCURRENCE | | 1950 | 1947 | 2004 | 1972 | 2000 | 1970 | 1972 | 1980 | 1990 | 2000 | 2007 | 2008 | APR 1972 |
| | MAXIMUM IN 24 HOURS (IN) | 67 | 3.90 | 5.93 | 6.63 | 4.10 | 6.23 | 10.10 | 5.81 | 5.77 | 10.52 | 6.57 | 5.24 | 3.40 | 10.52 |
| | YEAR OF OCCURRENCE | | 1993 | 1998 | 1959 | 1958 | 1967 | 1973 | 1960 | 1964 | 1998 | 2008 | 1969 | 1978 | SEP 1998 |
| | NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01 | 30 | 10.4 | 8.6 | 8.9 | 7.2 | 8.5 | 11.2 | 12.3 | 13.0 | 10.3 | 6.2 | 7.2 | 8.7 | 112.5 |
| PRECIPITATION >= 1.00 | 30 | 0.9 | 0.6 | 1.2 | 0.7 | 0.9 | 1.7 | 1.8 | 2.1 | 1.9 | 0.9 | 0.8 | 0.8 | 14.3 | |
| SNOWFALL | NORMAL (IN) | 30 | 0.1 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1 |
| | MAXIMUM MONTHLY (IN) | 62 | 1.0 | 7.1 | 2.0 | T | T | T | T | T | 0.0 | 0.0 | 0.0 | T | 8.0 |
| | YEAR OF OCCURRENCE | | 1977 | 1973 | 1969 | 2008 | 2006 | 2006 | 1993 | 1993 | 0.0 | 0.0 | 0.0 | 2006 | 1989 |
| | MAXIMUM IN 24 HOURS (IN) | 62 | 0.8 | 5.9 | 2.0 | T | T | T | T | T | 0.0 | 0.0 | 0.0 | T | 6.6 |
| | YEAR OF OCCURRENCE | | 1966 | 1973 | 1969 | 1985 | 2006 | 1995 | 1993 | 1993 | 0.0 | 0.0 | 0.0 | 1995 | 1989 |
| | MAXIMUM SNOW DEPTH (IN) | 56 | 1 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 8 |
| | YEAR OF OCCURRENCE | | 1966 | 1973 | 1980 | | | | | | | | | 1989 | DEC 1989 |
| NORMAL NO. DAYS WITH: SNOWFALL >= 1.0 | 30 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | |

PRECIPITATION (inches) 2009 CHARLESTON (KCHS)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|-------|-------|------|------|-------|-------|-------|-------|-------|------|-------|--------|
| 1980 | 3.99 | 1.25 | 7.99 | 3.43 | 5.85 | 3.15 | 6.97 | 0.73 | 2.60 | 1.52 | 2.19 | 1.25 | 40.92 |
| 1981 | 0.93 | 2.23 | 2.38 | 1.87 | 4.02 | 6.04 | 12.66 | 9.30 | 1.27 | 1.95 | 1.06 | 5.73 | 49.44 |
| 1982 | 2.18 | 3.64 | 1.26 | 6.51 | 3.04 | 9.16 | 5.40 | 4.10 | 3.92 | 2.42 | 1.19 | 4.20 | 47.02 |
| 1983 | 4.86 | 6.35 | 11.11 | 3.57 | 0.75 | 2.37 | 8.89 | 2.90 | 3.50 | 2.36 | 3.08 | 4.35 | 54.09 |
| 1984 | 5.12 | 3.51 | 5.63 | 6.30 | 6.89 | 2.96 | 4.87 | 1.96 | 5.27 | 1.67 | 1.39 | 0.66 | 46.23 |
| 1985 | 0.87 | 2.70 | 1.50 | 1.12 | 2.79 | 7.02 | 12.06 | 8.48 | 2.53 | 4.58 | 5.49 | 1.21 | 50.35 |
| 1986 | 2.05 | 4.17 | 2.67 | 0.83 | 0.93 | 2.51 | 5.07 | 13.41 | 4.60 | 2.95 | 4.03 | 5.21 | 48.43 |
| 1987 | 7.17 | 4.58 | 5.55 | 1.31 | 2.29 | 5.64 | 2.92 | 6.97 | 14.49 | 0.56 | 3.65 | 1.57 | 56.70 |
| 1988 | 2.76 | 2.38 | 1.78 | 3.21 | 1.86 | 2.32 | 4.13 | 11.88 | 9.72 | 0.73 | 1.08 | 0.72 | 42.57 |
| 1989 | 2.31 | 1.17 | 2.87 | 4.84 | 2.14 | 7.26 | 1.93 | 9.18 | 13.35 | 4.08 | 1.85 | 4.74 | 55.72 |
| 1990 | 3.96 | 1.68 | 6.63 | 1.65 | 1.91 | 3.12 | 5.95 | 6.32 | 0.18 | 7.29 | 3.75 | 2.69 | 45.13 |
| 1991 | 7.78 | 0.94 | 4.66 | 4.59 | 5.37 | 4.54 | 7.38 | 8.09 | 2.29 | 0.77 | 1.64 | 1.62 | 49.67 |
| 1992 | 4.93 | 2.23 | 3.59 | 2.75 | 5.07 | 6.22 | 4.36 | 9.55 | 3.04 | 4.87 | 5.76 | 1.50 | 53.87 |
| 1993 | 8.92 | 3.08 | 5.80 | 2.72 | 2.67 | 3.70 | 4.21 | 7.69 | 5.01 | 3.00 | 3.59 | 2.30 | 52.69 |
| 1994 | 7.50 | 1.23 | 4.44 | 0.39 | 2.35 | 11.71 | 8.07 | 5.39 | 8.08 | 12.11 | 2.92 | 6.35 | 70.54 |
| 1995 | 3.94 | 3.73 | 0.70 | 1.77 | 1.31 | 6.72 | 5.81 | 11.07 | 7.98 | 3.52 | 2.02 | 1.02 | 49.59 |
| 1996 | 1.05 | 1.36 | 4.04 | 2.70 | 1.72 | 4.04 | 7.34 | 5.73 | 8.77 | 5.07 | 1.74 | 2.14 | 45.70 |
| 1997 | 2.68 | 2.86 | 1.81 | 6.61 | 2.04 | 13.76 | 8.51 | 2.15 | 9.58 | 4.12 | 3.26 | 5.19 | 62.57 |
| 1998 | 7.58 | 10.17 | 5.51 | 4.01 | 4.63 | 3.41 | 6.74 | 4.44 | 14.74 | 1.99 | 0.16 | 4.34 | 67.72 |
| 1999 | 4.96 | 2.01 | 2.15 | 2.90 | 3.95 | 2.32 | 3.19 | 3.68 | 10.81 | 6.20 | 1.70 | 2.54 | 46.41 |
| 2000 | 4.04 | 2.01 | 3.66 | 1.78 | 0.57 | 4.35 | 10.81 | 4.47 | 8.88 | T | 2.72 | 2.65 | 45.94 |
| 2001 | 1.07 | 2.31 | 6.30 | 0.94 | 1.36 | 8.83 | 9.73 | 1.65 | 4.90 | 0.65 | 0.53 | 1.71 | 39.98 |
| 2002 | 2.42 | 2.19 | 4.48 | 1.57 | 2.39 | 5.89 | 6.55 | 11.37 | 4.92 | 8.44 | 5.66 | 5.09 | 60.97 |
| 2003 | 1.04 | 2.46 | 7.20 | 5.17 | 4.79 | 6.58 | 9.10 | 3.83 | 4.46 | 3.68 | 0.82 | 1.86 | 50.99 |
| 2004 | 1.57 | 4.40 | 0.36 | 4.10 | 3.04 | 3.50 | 3.77 | 10.99 | 3.71 | 1.38 | 1.37 | 1.04 | 39.23 |
| 2005 | 1.70 | 3.07 | 4.31 | 1.73 | 5.17 | 4.68 | 3.22 | 9.30 | 0.97 | 5.42 | 3.34 | 3.25 | 46.16 |
| 2006 | 2.93 | 3.30 | 0.44 | 2.99 | 2.72 | 10.72 | 3.87 | 9.11 | 4.31 | 2.39 | 4.18 | 2.33 | 49.29 |
| 2007 | 3.83 | 2.47 | 0.79 | 0.88 | 0.93 | 4.33 | 6.17 | 5.28 | 7.29 | 5.66 | 0.03 | 4.39 | 42.05 |
| 2008 | 3.07 | 2.72 | 2.41 | 2.49 | 3.66 | 2.61 | 4.97 | 5.99 | 5.68 | 11.10 | 2.27 | 0.35 | 47.32 |
| 2009 | 1.29 | 1.33 | 2.84 | 5.24 | 6.45 | 5.04 | 8.16 | 10.12 | 0.48 | 2.71 | 2.25 | 10.06 | 55.97 |
| POR= 80 YRS | 3.18 | 3.15 | 3.94 | 2.74 | 3.61 | 5.67 | 7.20 | 6.73 | 5.46 | 3.17 | 2.29 | 2.99 | 50.13 |

WBAN : 13880

AVERAGE TEMPERATURE (°F) 2009 CHARLESTON (KCHS)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1980 | 48.7 | 45.9 | 54.6 | 64.3 | 71.4 | 78.4 | 82.4 | 82.1 | 79.8 | 65.0 | 55.4 | 47.5 | 64.6 |
| 1981 | 41.6 | 50.8 | 54.3 | 67.5 | 70.8 | 82.7 | 83.5 | 80.3 | 74.8 | 64.1 | 55.4 | 46.2 | 64.3 |
| 1982 | 45.1 | 51.5 | 59.2 | 61.8 | 72.2 | 78.8 | 81.2 | 80.0 | 74.5 | 65.1 | 60.9 | 57.0 | 65.6 |
| 1983 | 45.6 | 49.0 | 56.4 | 61.0 | 71.7 | 76.9 | 82.8 | 82.9 | 75.5 | 68.9 | 57.4 | 48.8 | 64.7 |
| 1984 | 46.1 | 52.8 | 57.6 | 64.0 | 71.7 | 78.8 | 79.9 | 81.1 | 73.0 | 71.3 | 54.2 | 57.2 | 65.6 |
| 1985 | 42.6 | 50.5 | 60.7 | 67.8 | 73.6 | 79.6 | 80.9 | 79.9 | 75.8 | 72.2 | 67.3 | 47.9 | 66.6 |
| 1986 | 45.8 | 55.5 | 58.0 | 66.1 | 74.3 | 81.4 | 86.1 | 79.9 | 78.6 | 68.8 | 63.1 | 52.8 | 67.5 |
| 1987 | 47.2 | 48.8 | 56.8 | 62.6 | 73.3 | 80.1 | 83.0 | 83.5 | 77.8 | 61.0 | 60.1 | 53.5 | 65.6 |
| 1988 | 43.2 | 49.2 | 57.4 | 64.4 | 71.9 | 76.7 | 81.8 | 82.0 | 76.3 | 62.7 | 61.0 | 50.6 | 64.8 |
| 1989 | 55.6 | 55.0 | 59.7 | 65.3 | 72.3 | 80.4 | 82.8 | 80.7 | 76.6 | 68.7 | 60.6 | 43.2 | 66.7 |
| 1990 | 55.4 | 59.2 | 62.5 | 66.0 | 74.4 | 81.0 | 83.6 | 82.5 | 79.2 | 70.5 | 60.4 | 56.4 | 69.3 |
| 1991 | 50.8 | 54.9 | 60.5 | 67.6 | 76.3 | 78.9 | 83.6 | 82.0 | 77.4 | 67.6 | 56.0 | 54.3 | 67.5 |
| 1992 | 49.5 | 55.0 | 57.9 | 63.6 | 70.3 | 77.5 | 83.9 | 80.6 | 76.2 | 65.1 | 60.4 | 51.0 | 65.9 |
| 1993 | 53.7 | 49.7 | 55.9 | 61.6 | 72.5 | 79.5 | 85.5 | 82.0 | 78.3 | 67.3 | 59.3 | 48.5 | 66.2 |
| 1994 | 46.5 | 53.4 | 61.3 | 68.3 | 71.1 | 79.8 | 82.0 | 80.0 | 75.7 | 66.4 | 62.5 | 54.4 | 66.8 |
| 1995 | 49.7 | 50.2 | 60.4 | 68.5 | 76.0 | 78.5 | 83.4 | 82.5 | 75.6 | 69.8 | 53.8 | 47.5 | 66.3 |
| 1996 | 48.0 | 51.8 | 53.7 | 64.2 | 74.4 | 78.3 | 81.9 | 78.7 | 75.4 | 65.8 | 54.6 | 52.3 | 64.9 |
| 1997 | 49.7 | 55.1 | 64.3 | 63.1 | 69.2 | 74.8 | 80.8 | 79.0 | 76.0 | 66.0 | 55.2 | 49.9 | 65.3 |
| 1998 | 52.5 | 53.7 | 56.2 | 65.2 | 75.1 | 82.8 | 83.8 | 81.2 | 77.3 | 68.6 | 62.4 | 55.7 | 67.9 |
| 1999 | 53.6 | 53.6 | 54.9 | 67.8 | 70.4 | 76.4 | 82.5 | 83.2 | 74.7 | 66.4 | 59.8 | 50.5 | 66.2 |
| 2000 | 47.4 | 53.2 | 60.9 | 62.8 | 75.6 | 79.7 | 81.5 | 80.3 | 75.2 | 64.9 | 55.3 | 42.6 | 65.0 |
| 2001 | 46.4 | 54.6 | 56.6 | 65.2 | 72.6 | 79.0 | 79.8 | 80.9 | 73.6 | 64.8 | 63.6 | 56.4 | 66.1 |
| 2002 | 51.3 | 51.8 | 60.5 | 69.6 | 71.4 | 78.7 | 82.7 | 79.6 | 79.0 | 70.7 | 56.0 | 48.3 | 66.6 |
| 2003 | 44.7 | 50.9 | 61.2 | 64.7 | 74.0 | 78.7 | 81.3 | 81.6 | 74.6 | 66.9 | 62.1 | 47.1 | 65.7 |
| 2004 | 46.3 | 47.8 | 59.7 | 64.9 | 75.8 | 80.4 | 82.7 | 79.3 | 76.4 | 69.0 | 59.9 | 49.7 | 66.0 |
| 2005 | 50.8 | 51.7 | 55.9 | 63.2 | 69.9 | 78.6 | 83.5 | 82.1 | 79.2 | 67.8 | 60.0 | 49.2 | 66.0 |
| 2006 | 54.1 | 50.0 | 57.2 | 68.1 | 72.2 | 78.5 | 82.2 | 82.6 | 75.5 | 65.0 | 57.6 | 56.4 | 66.6 |
| 2007 | 52.4 | 49.8 | 60.9 | 64.2 | 71.4 | 78.5 | 80.7 | 83.8 | 77.5 | 71.6 | 57.5 | 57.0 | 67.1 |
| 2008 | 48.9 | 55.3 | 58.6 | 65.0 | 71.8 | 81.2 | 81.2 | 81.3 | 76.2 | 64.5 | 54.5 | 56.0 | 66.2 |
| 2009 | 48.2 | 49.8 | 58.0 | 64.5 | 73.4 | 80.9 | 80.9 | 81.6 | 76.6 | 67.5 | 58.8 | 51.0 | 65.9 |
| POR= 80 YRS | 49.2 | 50.4 | 57.6 | 64.4 | 72.6 | 78.1 | 81.4 | 80.6 | 75.8 | 66.8 | 57.5 | 50.6 | 65.4 |

HEATING DEGREE DAYS (base 65°F) 2009 CHARLESTON (KCHS)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1980-81 | 0 | 0 | 0 | 80 | 287 | 537 | 719 | 393 | 333 | 55 | 16 | 0 | 2420 |
| 1981-82 | 0 | 0 | 3 | 88 | 291 | 577 | 611 | 372 | 214 | 132 | 3 | 0 | 2291 |
| 1982-83 | 0 | 0 | 0 | 102 | 154 | 276 | 596 | 440 | 264 | 146 | 2 | 0 | 1980 |
| 1983-84 | 0 | 0 | 4 | 24 | 230 | 500 | 578 | 347 | 240 | 92 | 16 | 0 | 2031 |
| 1984-85 | 0 | 0 | 9 | 13 | 337 | 249 | 692 | 418 | 183 | 47 | 4 | 0 | 1952 |
| 1985-86 | 0 | 0 | 2 | 16 | 54 | 526 | 586 | 261 | 244 | 74 | 4 | 0 | 1767 |
| 1986-87 | 0 | 6 | 0 | 56 | 128 | 376 | 545 | 446 | 272 | 131 | 7 | 0 | 1967 |
| 1987-88 | 0 | 0 | 0 | 135 | 188 | 358 | 669 | 458 | 239 | 85 | 7 | 2 | 2141 |
| 1988-89 | 0 | 0 | 0 | 107 | 145 | 442 | 286 | 312 | 220 | 121 | 14 | 0 | 1647 |
| 1989-90 | 0 | 0 | 1 | 50 | 169 | 669 | 294 | 189 | 137 | 67 | 0 | 0 | 1576 |
| 1990-91 | 0 | 0 | 0 | 65 | 152 | 280 | 432 | 293 | 185 | 34 | 0 | 0 | 1441 |
| 1991-92 | 0 | 0 | 0 | 41 | 281 | 349 | 472 | 293 | 234 | 119 | 28 | 0 | 1817 |
| 1992-93 | 0 | 0 | 3 | 70 | 197 | 430 | 353 | 421 | 279 | 132 | 1 | 0 | 1886 |
| 1993-94 | 0 | 0 | 3 | 49 | 206 | 504 | 568 | 327 | 152 | 30 | 11 | 0 | 1850 |
| 1994-95 | 0 | 0 | 0 | 46 | 119 | 338 | 468 | 414 | 167 | 35 | 1 | 0 | 1588 |
| 1995-96 | 0 | 0 | 8 | 44 | 357 | 535 | 518 | 383 | 350 | 107 | 15 | 0 | 2317 |
| 1996-97 | 0 | 0 | 0 | 54 | 323 | 391 | 467 | 288 | 94 | 106 | 20 | 9 | 1752 |
| 1997-98 | 0 | 0 | 0 | 87 | 293 | 463 | 391 | 318 | 288 | 66 | 0 | 0 | 1906 |
| 1998-99 | 0 | 0 | 0 | 38 | 113 | 306 | 358 | 315 | 314 | 61 | 20 | 0 | 1525 |
| 1999-00 | 0 | 0 | 4 | 71 | 175 | 446 | 543 | 339 | 148 | 96 | 0 | 0 | 1822 |
| 2000-01 | 0 | 0 | 1 | 80 | 306 | 687 | 571 | 300 | 272 | 94 | 1 | 0 | 2312 |
| 2001-02 | 0 | 0 | 8 | 110 | 94 | 277 | 428 | 368 | 195 | 38 | 21 | 0 | 1539 |
| 2002-03 | 0 | 0 | 0 | 17 | 276 | 510 | 619 | 393 | 145 | 69 | 0 | 0 | 2029 |
| 2003-04 | 0 | 0 | 4 | 26 | 151 | 551 | 576 | 493 | 186 | 83 | 5 | 0 | 2075 |
| 2004-05 | 0 | 0 | 0 | 25 | 205 | 482 | 442 | 369 | 290 | 92 | 25 | 0 | 1930 |
| 2005-06 | 0 | 0 | 0 | 89 | 179 | 485 | 334 | 409 | 261 | 46 | 8 | 0 | 1811 |
| 2006-07 | 0 | 0 | 0 | 98 | 228 | 269 | 390 | 421 | 157 | 109 | 3 | 0 | 1675 |
| 2007-08 | 0 | 0 | 0 | 18 | 231 | 253 | 497 | 285 | 212 | 80 | 5 | 0 | 1581 |
| 2008-09 | 0 | 0 | 2 | 109 | 320 | 292 | 513 | 418 | 236 | 75 | 16 | 0 | 1981 |
| 2009- | 0 | 0 | 0 | 59 | 189 | 436 | | | | | | | |

WBAN : 13880

COOLING DEGREE DAYS (base 65°F) 2009 CHARLESTON (KCHS)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1980 | 0 | 9 | 7 | 69 | 221 | 407 | 549 | 539 | 451 | 87 | 5 | 1 | 2345 |
| 1981 | 0 | 0 | 9 | 138 | 199 | 539 | 582 | 481 | 307 | 66 | 9 | 0 | 2330 |
| 1982 | 0 | 2 | 42 | 42 | 232 | 420 | 510 | 475 | 293 | 111 | 36 | 34 | 2197 |
| 1983 | 0 | 0 | 6 | 32 | 217 | 362 | 559 | 567 | 322 | 149 | 10 | 4 | 2228 |
| 1984 | 0 | 1 | 19 | 67 | 228 | 420 | 471 | 509 | 254 | 212 | 21 | 10 | 2212 |
| 1985 | 7 | 17 | 57 | 136 | 276 | 445 | 501 | 470 | 332 | 245 | 129 | 5 | 2620 |
| 1986 | 0 | 2 | 36 | 114 | 300 | 499 | 662 | 474 | 414 | 182 | 78 | 5 | 2766 |
| 1987 | 0 | 0 | 26 | 62 | 269 | 459 | 567 | 580 | 389 | 18 | 48 | 9 | 2427 |
| 1988 | 0 | 2 | 12 | 74 | 229 | 359 | 529 | 534 | 349 | 43 | 30 | 4 | 2165 |
| 1989 | 5 | 37 | 64 | 136 | 246 | 470 | 561 | 493 | 358 | 173 | 44 | 0 | 2587 |
| 1990 | 4 | 34 | 65 | 105 | 302 | 487 | 583 | 548 | 430 | 238 | 24 | 21 | 2841 |
| 1991 | 0 | 20 | 52 | 118 | 356 | 426 | 584 | 531 | 379 | 128 | 18 | 25 | 2637 |
| 1992 | 0 | 7 | 20 | 83 | 199 | 381 | 592 | 495 | 345 | 79 | 68 | 5 | 2274 |
| 1993 | 7 | 0 | 4 | 37 | 241 | 440 | 644 | 536 | 410 | 127 | 42 | 0 | 2488 |
| 1994 | 0 | 7 | 42 | 133 | 210 | 449 | 537 | 473 | 327 | 93 | 53 | 17 | 2341 |
| 1995 | 1 | 6 | 29 | 146 | 349 | 410 | 577 | 552 | 334 | 198 | 26 | 0 | 2628 |
| 1996 | 0 | 8 | 6 | 88 | 313 | 405 | 531 | 432 | 320 | 87 | 18 | 6 | 2214 |
| 1997 | 0 | 17 | 77 | 56 | 158 | 309 | 496 | 444 | 336 | 124 | 7 | 0 | 2024 |
| 1998 | 10 | 6 | 23 | 77 | 320 | 542 | 592 | 509 | 378 | 158 | 43 | 26 | 2684 |
| 1999 | 10 | 1 | 6 | 153 | 193 | 351 | 548 | 571 | 303 | 122 | 25 | 1 | 2284 |
| 2000 | 1 | 2 | 29 | 36 | 336 | 448 | 522 | 481 | 315 | 84 | 25 | 0 | 2279 |
| 2001 | 0 | 13 | 16 | 107 | 242 | 423 | 467 | 499 | 269 | 114 | 58 | 17 | 2225 |
| 2002 | 10 | 7 | 62 | 182 | 228 | 419 | 555 | 461 | 428 | 199 | 16 | 0 | 2567 |
| 2003 | 0 | 1 | 35 | 67 | 284 | 417 | 513 | 520 | 300 | 89 | 67 | 0 | 2293 |
| 2004 | 6 | 3 | 32 | 86 | 348 | 470 | 557 | 450 | 351 | 155 | 57 | 14 | 2529 |
| 2005 | 8 | 3 | 13 | 47 | 184 | 416 | 583 | 535 | 433 | 183 | 36 | 0 | 2441 |
| 2006 | 0 | 0 | 24 | 148 | 240 | 411 | 539 | 554 | 323 | 108 | 13 | 10 | 2370 |
| 2007 | 6 | 0 | 34 | 92 | 206 | 414 | 492 | 587 | 381 | 231 | 14 | 12 | 2469 |
| 2008 | 6 | 11 | 19 | 85 | 221 | 491 | 508 | 510 | 346 | 102 | 13 | 20 | 2332 |
| 2009 | 0 | 0 | 26 | 64 | 282 | 485 | 501 | 523 | 357 | 144 | 14 | 7 | 2403 |

SNOWFALL (inches) 2009 CHARLESTON (KCHS)

| 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 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 |
| 1981-82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T |
| 1982-83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | 0.0 | T |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | T | 0.0 | 0.0 | T |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | T | 0.0 | 0.0 | 0.0 | T |
| 1987-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.9 | T | 0.0 | 0.0 | T | 0.9 |
| 1989-90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.0 |
| 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992-93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | 0.0 | T |
| 1993-94 | T | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T |
| 1994-95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | | | | | | |
| 1996-97 | | | | | | | | | | | | | |
| 1997-98 | | | | | | | | | | | | | |
| 1998-99 | | | | | | | | | | | | | |
| 1999-00 | | | | | | | | | | | | | |
| 2000-01 | | | | | | | | | | | | | |
| 2001-02 | | | | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 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 | |
| 2003-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 0.0 | 0.0 | 0.0 | 0.0 | T |
| 2004-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 0.0 | 0.0 | 0.0 | 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 | T | T | T |
| 2006-07 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T |
| 2007-08 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | T |
| 2008-09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T |
| 2009- | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| POR= 74 YRS | T | 0.0 | 0.0 | 0.0 | T | 0.2 | T | 0.2 | 0.1 | T | T | T | 0.5 |

WBAN : 13880

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

2009

CHARLESTON

SOUTH CAROLINA (KCHS)

Charleston is a peninsula city bounded on the west and south by the Ashley River, on the east by the Cooper River, and on the southeast by a spacious harbor. Weather records for the airport are from a site some 10 miles inland. The terrain is generally level, ranging in elevation from sea level to 20 feet on the peninsula, with gradual increases in elevation toward inland areas. The soil is sandy to sandy loam with lesser amounts of loam. The drainage varies from good to poor. Because of the very low elevation, a considerable portion of this community and the nearby coastal islands are vulnerable to tidal flooding.

The climate is temperate, modified considerably by the nearness to the ocean. The marine influence is noticeable during winter when the low temperatures are sometimes 10-15 degrees higher on the peninsula than at the airport. By the same token, high temperatures are generally a few degrees lower on the peninsula. The prevailing winds are northerly in the fall and winter, southerly in the spring and summer.

Summer is warm and humid. Temperatures of 100 degrees or more are infrequent. High temperatures are generally several degrees lower along the coast than inland due to the cooling effect of the sea breeze. Summer is the rainiest season with 41 percent of the annual total. The rain, except during occasional tropical storms, generally occurs as showers or thunderstorms.

The fall season passes through the warm Indian Summer period to the pre-winter cold spells which begin late in November. From late September to early November the weather is mostly sunny and temperature extremes are rare. Late summer and early fall is the period of maximum threat to the South Carolina coast from hurricanes.

The winter months, December through February, are mild with periods of rain. However, the winter rainfall is generally of a more uniform type. There is some chance of a snow flurry, with the best probability of its occurrence in January, but a significant amount is rarely measured. An average winter would experience less than one cold wave and severe freeze. Temperatures of 20 degrees or less on the peninsula and along the coast are very unusual.

The most spectacular time of the year, weatherwise, is spring with its rapid changes from windy and cold in March to warm and pleasant in May. Severe local storms are more likely to occur in spring than in summer.

The average occurrence of the first freeze in the fall is early December, and the average last freeze is late February, giving an average growing season of about 294 days.

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