

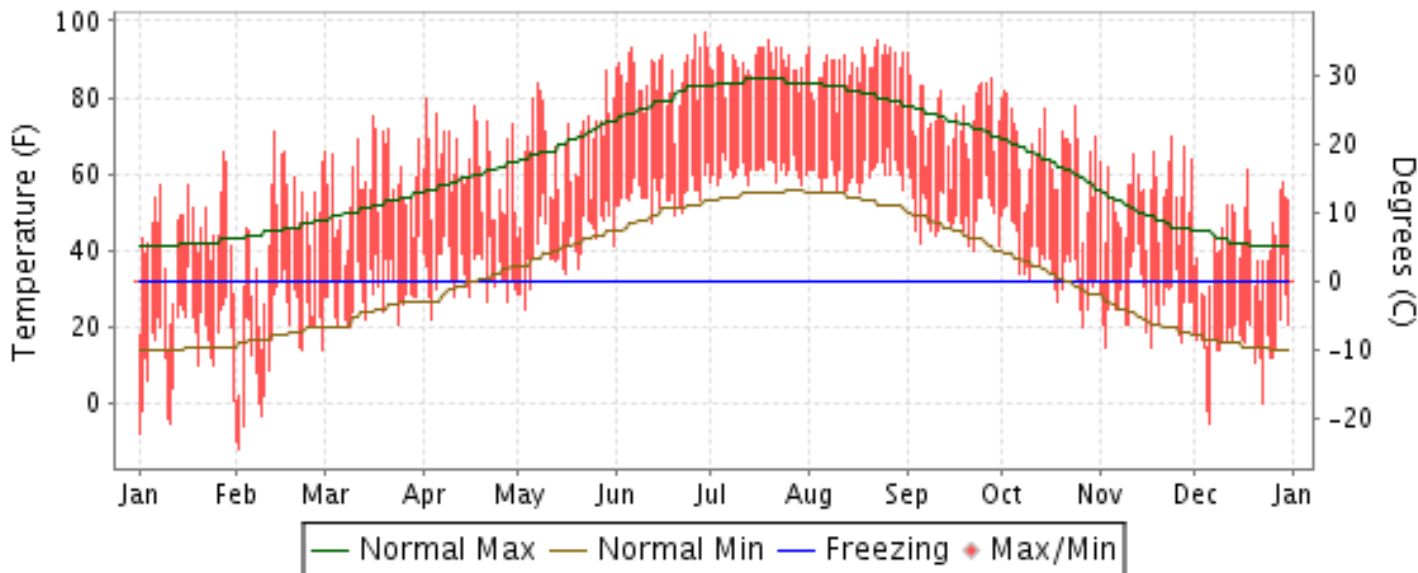


2011 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

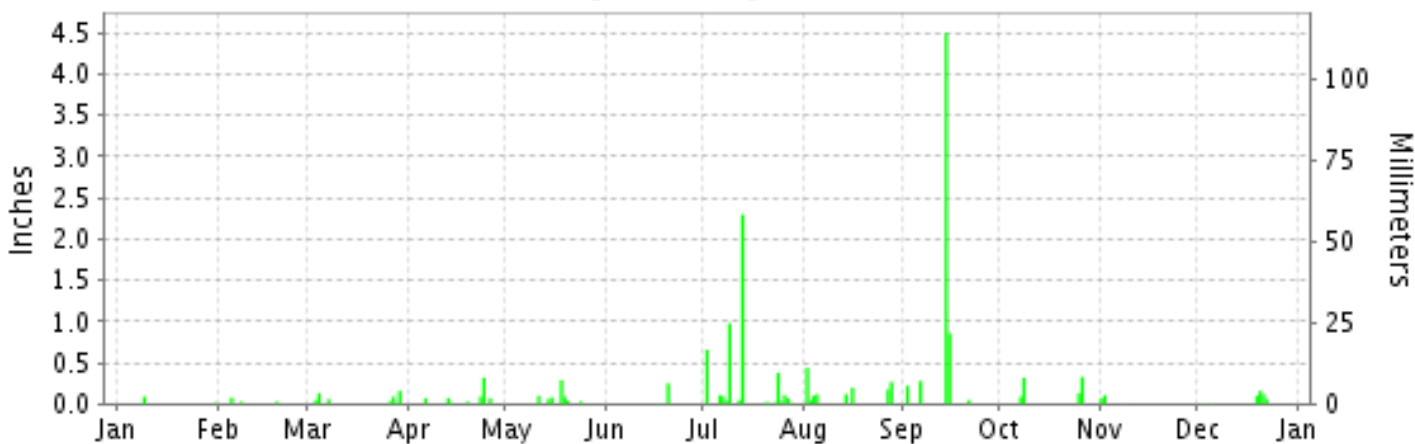
ISSN 0198-7704

COLORADO SPRINGS, COLORADO (KCOS)

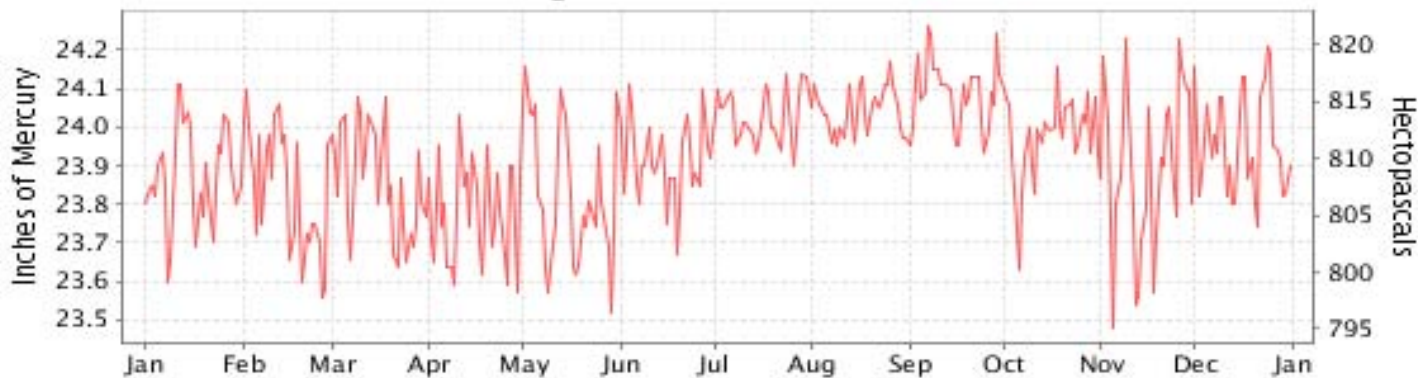
Daily Max/Min Temperature



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 2011

COLORADO SPRINGS (KCOS)

LATITUDE: 38° 48'N LONGITUDE: -104° 41'W ELEVATION (FT): GRND: 6181 BARO: 6183 TIME ZONE: MOUNTAIN (UTC -7) WBAN: 93037

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|--------------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|--|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 43.1 | 42.5 | 57.2 | 62.4 | 67.3 | 86.3 | 89.3 | 88.3 | 75.3 | 64.8 | 54.1 | 41.9 | 64.4 | |
| | HIGHEST DAILY MAXIMUM | 66 | 71 | 75 | 80 | 87 | 97 | 95 | 95 | 92 | 82 | 70 | 61 | 97 | |
| | DATE OF OCCURRENCE | 28 | 13 | 16 | 02 | 29 | 29 | 19 | 23 | 01 | 02 | 24 | 18 | JUN 29 | |
| | MEAN DAILY MINIMUM | 15.5 | 16.0 | 29.0 | 34.1 | 41.1 | 54.7 | 60.9 | 59.9 | 49.6 | 36.6 | 27.0 | 15.9 | 36.7 | |
| | LOWEST DAILY MINIMUM | -8 | -12 | 20 | 22 | 25 | 47 | 57 | 55 | 40 | 20 | 15 | -5 | -12 | |
| | DATE OF OCCURRENCE | 01 | 02 | 09+ | 04 | 03 | 12 | 30 | 17+ | 22 | 27 | 17+ | 06 | FEB 02 | |
| | AVERAGE DRY BULB | 29.3 | 29.3 | 43.1 | 48.3 | 54.2 | 70.5 | 75.1 | 74.1 | 62.5 | 50.7 | 40.6 | 28.9 | 50.6 | |
| | MEAN WET BULB | 23.7 | 22.8 | 32.9 | 37.2 | 42.4 | 52.4 | 59.9 | 58.6 | 49.6 | 39.8 | 31.1 | 23.2 | 39.5 | |
| | MEAN DEW POINT | 12.6 | 8.3 | 16.3 | 21.4 | 28.3 | 36.1 | 50.6 | 48.2 | 38.2 | 27.0 | 15.5 | 12.6 | 26.3 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM >= 90° | 0 | 0 | 0 | 0 | 0 | 11 | 16 | 16 | 1 | 0 | 0 | 0 | 44 | |
| | MAXIMUM <= 32° | 5 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 20 | |
| MINIMUM <= 32° | 30 | 27 | 23 | 13 | 4 | 0 | 0 | 0 | 0 | 7 | 24 | 30 | 158 | | |
| MINIMUM <= 0° | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 12 | | |
| H/C | HEATING DEGREE DAYS | 1098 | 991 | 671 | 496 | 338 | 6 | 0 | 0 | 116 | 439 | 723 | 1112 | 5990 | |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 0 | 8 | 177 | 317 | 287 | 48 | 4 | 0 | 0 | 841 | |
| RH | MEAN (PERCENT) | 53 | 47 | 42 | 42 | 45 | 36 | 49 | 47 | 46 | 45 | 42 | 55 | 46 | |
| | HOUR 05 LST | 61 | 52 | 56 | 55 | 59 | 54 | 66 | 62 | 60 | 59 | 48 | 62 | 58 | |
| | HOUR 11 LST | 36 | 34 | 32 | 28 | 32 | 21 | 29 | 28 | 31 | 28 | 29 | 41 | 31 | |
| | HOUR 17 LST | 52 | 44 | 32 | 33 | 38 | 22 | 44 | 41 | 39 | 40 | 41 | 56 | 40 | |
| | HOUR 23 LST | 62 | 54 | 52 | 54 | 56 | 48 | 61 | 59 | 57 | 57 | 52 | 62 | 56 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG(VISBY <= 1/4 MI) | 2 | 2 | 6 | 1 | 1 | 0 | 1 | 0 | 3 | 2 | 1 | 2 | 21 | |
| | THUNDERSTORMS | 0 | 1 | 0 | 0 | 3 | 0 | 12 | 20 | 3 | 1 | 1 | 0 | 41 | |
| CLOUDINESS | 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.) | 23.88 | 23.84 | 23.86 | 23.78 | 23.83 | 23.91 | 24.03 | 24.05 | 24.09 | 23.97 | 23.89 | 23.96 | 23.92 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.08 | 30.04 | 29.93 | 29.78 | 29.80 | 29.77 | 29.89 | 29.91 | 30.04 | 30.01 | 29.98 | 30.19 | 29.95 | |
| WINDS | RESULTANT SPEED (MPH) | 3.1 | 1.9 | 2.0 | 1.5 | 0.9 | 2.4 | 1.7 | 1.5 | 2.0 | 1.1 | 1.5 | 3.3 | 0.7 | |
| | RES. DIR. (TENS OF DEGS.) | 01 | 30 | 18 | 27 | 22 | 14 | 08 | 03 | 02 | 02 | 02 | 36 | 02 | |
| | MEAN SPEED (MPH) | 7.7 | 10.9 | 10.8 | 12.4 | 12.3 | 11.4 | 8.2 | 8.1 | 7.9 | 8.6 | 9.2 | 8.5 | 9.7 | |
| | PREVAIL.DIR.(TENS OF DEGS.) | 34 | 34 | 15 | 35 | 16 | 15 | 16 | 34 | 01 | 36 | 35 | 36 | 36 | |
| | MAXIMUM 2-MINUTE WIND | | | | | | | | | | | | | | |
| | SPEED (MPH) | 44 | 46 | 46 | 45 | 45 | 47 | 45 | 48 | 39 | 44 | 45 | 46 | 48 | |
| | DIR. (TENS OF DEGS.) | 29 | 34 | 27 | 01 | 20 | 25 | 06 | 24 | 34 | 21 | 26 | 33 | 24 | |
| | DATE OF OCCURRENCE | 22 | 08 | 24 | 03 | 09 | 28 | 13 | 31 | 29 | 06 | 12 | 31 | AUG 31 | |
| | MAXIMUM 3-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 56 | 60 | 61 | 60 | 58 | 64 | 56 | 62 | 49 | 53 | 56 | 59 | 64 | |
| DIR. (TENS OF DEGS.) | 26 | 33 | 27 | 22 | 18 | 21 | 13 | 24 | 35 | 20 | 27 | 29 | 21 | | |
| DATE OF OCCURRENCE | 22 | 08 | 24 | 02 | 10 | 28 | 24 | 31 | 29 | 06 | 12 | 31 | JUN 28 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 0.11 | 0.14 | 0.54 | 0.68 | 0.69 | 0.26 | 4.90 | 1.49 | 5.91 | 0.87 | 0.19 | 0.46 | 16.24 | |
| | GREATEST 24-HOUR (IN.) | 0.09 | 0.08 | 0.18 | 0.32 | 0.37 | 0.25 | 2.33 | 0.47 | 4.96 | 0.46 | 0.18 | 0.26 | 4.96 | |
| | DATE OF OCCURRENCE | 09 | 05 | 28-29 | 24 | 18-19 | 20 | 12-13 | 02-03 | 14-15 | 25-26 | 01-02 | 19-20 | SEP 14-15 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION 0.01 | 2 | 3 | 7 | 8 | 7 | 2 | 15 | 9 | 5 | 4 | 3 | 6 | 71 | |
| PRECIPITATION 0.10 | 0 | 0 | 2 | 1 | 2 | 1 | 6 | 7 | 4 | 3 | 1 | 3 | 30 | | |
| PRECIPITATION 1.00 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | | |
| SNOWFALL | SNOW,ICE PELLETS,HAIL | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 1.6 | 2.5 | 3.1 | 1.3 | T | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 1.0 | 11.7 | 24.8 | |
| | GREATEST 24-HOUR (IN.) | 1.3 | 2.0 | 2.3 | 1.0 | T | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.7 | 5.0 | 5.0 | |
| | DATE OF OCCURRENCE | 09 | 08 | 29 | 26 | 19 | | | | | 26 | 01 | 21 | DEC 21 | |
| | MAXIMUM SNOW DEPTH (IN.) | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 9 | 9 | |
| | DATE OF OCCURRENCE | 02+ | 10+ | 29 | 27 | | | | | | 27 | 02 | 22 | DEC 22 | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL >= 1.0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 9 | | |

NORMALS, MEANS, AND EXTREMES COLORADO SPRINGS (KCOS)

LATITUDE: 38° 48'N **LONGITUDE:** -104° 41'W **ELEVATION (FT):** GRND: 6181 BARO: 6183 **TIME ZONE:** MOUNTAIN (UTC -7) **WBAN: 93037**

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|-----------------------|---|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 41.7 | 45.4 | 51.6 | 59.2 | 68.4 | 79.2 | 84.4 | 81.6 | 74.1 | 63.4 | 49.8 | 42.4 | 61.8 |
| | MEAN DAILY MAXIMUM | 51 | 42.7 | 43.6 | 50.6 | 59.1 | 69.0 | 77.7 | 85.3 | 82.4 | 74.4 | 64.3 | 50.7 | 43.6 | 62.0 |
| | HIGHEST DAILY MAXIMUM | 62 | 73 | 76 | 81 | 87 | 94 | 100 | 100 | 99 | 94 | 86 | 78 | 77 | 100 |
| | YEAR OF OCCURRENCE | | 1997 | 1963 | 1971 | 1992 | 2000 | 1954 | 2003 | 2008 | 1995 | 1979 | 2006 | 1955 | JUL 2003 |
| | MEAN OF EXTREME MAXS. | 63 | 63.5 | 65.4 | 71.1 | 78.8 | 85.4 | 92.5 | 95.5 | 92.6 | 87.9 | 80.4 | 71.6 | 64.1 | 79.1 |
| | NORMAL DAILY MINIMUM | 30 | 14.5 | 18.0 | 23.9 | 31.4 | 40.7 | 49.5 | 54.8 | 53.6 | 45.4 | 34.3 | 22.6 | 15.6 | 33.7 |
| | MEAN DAILY MINIMUM | 51 | 16.6 | 18.5 | 24.6 | 32.6 | 42.5 | 50.2 | 57.1 | 55.5 | 46.9 | 36.4 | 24.6 | 18.1 | 35.3 |
| | LOWEST DAILY MINIMUM | 62 | -26 | -27 | -11 | -3 | 21 | 32 | 42 | 39 | 22 | 5 | -8 | -24 | -27 |
| | YEAR OF OCCURRENCE | | 1951 | 1951 | 1956 | 1959 | 1954 | 1951 | 1952 | 1992 | 1985 | 1969 | 1976 | 1990 | FEB 1951 |
| | MEAN OF EXTREME MINS. | 63 | -1.5 | 0.2 | 9.6 | 19.1 | 29.9 | 40.8 | 50.6 | 48.7 | 34.3 | 20.5 | 7.6 | -1.6 | 21.5 |
| | NORMAL DRY BULB | 30 | 28.1 | 31.7 | 37.8 | 45.3 | 54.6 | 64.4 | 69.6 | 67.6 | 59.8 | 48.9 | 36.2 | 29.0 | 47.8 |
| | MEAN DRY BULB | 63 | 29.6 | 31.5 | 37.7 | 45.8 | 55.7 | 64.4 | 71.0 | 68.9 | 60.5 | 50.2 | 37.6 | 30.8 | 48.6 |
| | MEAN WET BULB | 28 | 21.2 | 23.1 | 28.0 | 33.9 | 43.1 | 50.1 | 55.5 | 55.4 | 47.1 | 37.0 | 27.0 | 21.6 | 36.9 |
| | MEAN DEW POINT | 28 | 14.7 | 16.0 | 21.8 | 27.7 | 37.5 | 45.1 | 50.3 | 51.1 | 41.6 | 30.5 | 21.0 | 15.0 | 31.0 |
| | NORMAL NO. DAYS WITH: MAXIMUM >= 90 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 3.7 | 8.4 | 3.2 | 0.7 | 0.0 | 0.0 | 0.0 | 16.3 |
| | MAXIMUM <= 32 | 30 | 7.2 | 5.2 | 2.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | * | 0.4 | 3.4 | 6.2 | 25.8 |
| MINIMUM <= 32 | 30 | 29.9 | 26.7 | 25.1 | 13.1 | 2.0 | 0.0 | 0.0 | 0.0 | 1.1 | 9.1 | 24.9 | 29.5 | 161.4 | |
| MINIMUM <= 0 | 30 | 2.4 | 1.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.9 | 6.0 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 1130 | 917 | 827 | 576 | 312 | 76 | 19 | 20 | 172 | 483 | 848 | 1100 | 6480 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 0 | 1 | 5 | 74 | 176 | 116 | 32 | 0 | 0 | 0 | 404 |
| RH | NORMAL (PERCENT) | 30 | 52 | 51 | 51 | 50 | 53 | 50 | 51 | 56 | 52 | 49 | 52 | 53 | 52 |
| | HOURLY 05 LST | 30 | 58 | 59 | 62 | 64 | 69 | 67 | 68 | 71 | 67 | 60 | 60 | 58 | 64 |
| | HOURLY 11 LST | 30 | 42 | 41 | 40 | 38 | 40 | 37 | 36 | 41 | 39 | 36 | 40 | 43 | 39 |
| | HOURLY 17 LST | 30 | 47 | 40 | 38 | 37 | 39 | 36 | 38 | 43 | 38 | 37 | 46 | 49 | 41 |
| | HOURLY 23 LST | 30 | 59 | 58 | 58 | 58 | 62 | 58 | 60 | 66 | 61 | 57 | 60 | 59 | 60 |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| | MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI) | 34 | 2.6 | 3.4 | 3.8 | 2.8 | 1.7 | 0.9 | 0.9 | 1.4 | 1.4 | 2.2 | 2.9 | 2.7 | 26.7 |
| | THUNDERSTORMS | 34 | 0.0 | 0.1 | 0.6 | 2.0 | 7.3 | 9.9 | 12.6 | 13.1 | 4.2 | 0.7 | 0.1 | 0.0 | 50.6 |
| | MEAN: SUNRISE-SUNSET (OKTAS) | 1 | 3.2 | 3.7 | 5.6 | 6.0 | 4.8 | 3.6 | 3.6 | 5.6 | 3.2 | 4.0 | 3.2 | 2.4 | 4.1 |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 1 | 4.0 | 3.6 | 6.4 | 6.0 | 4.8 | 3.2 | 3.6 | 5.6 | 3.2 | 4.4 | 2.8 | 2.4 | 4.2 |
| CLOUDINESS | MEAN NO. DAYS WITH: CLEAR | 3 | 5.3 | 8.3 | 8.0 | 5.0 | 1.0 | 3.0 | 7.0 | 6.0 | 11.0 | 10.5 | 6.0 | 11.0 | 82.1 |
| | PARTLY CLOUDY | 3 | 2.0 | 5.0 | 5.7 | 5.5 | 5.0 | 4.0 | 4.0 | 8.5 | 4.0 | 1.0 | 2.0 | 4.5 | 51.2 |
| | CLOUDY | 3 | 1.7 | 6.7 | 7.0 | 8.0 | 2.0 | 2.0 | 1.5 | 7.5 | 6.0 | 5.0 | 1.5 | 1.0 | 49.9 |
| | MEAN STATION PRESSURE(IN) | 28 | 23.90 | 23.88 | 23.87 | 23.87 | 23.91 | 23.98 | 24.06 | 24.07 | 24.03 | 23.98 | 23.93 | 23.90 | 23.95 |
| | MEAN SEA-LEVEL PRES. (IN) | 28 | 30.10 | 30.05 | 29.97 | 29.90 | 29.88 | 29.88 | 29.94 | 29.97 | 29.99 | 30.02 | 30.06 | 30.10 | 29.99 |
| WINDS | MEAN SPEED (MPH) | 28 | 8.8 | 9.5 | 10.4 | 11.5 | 10.7 | 10.0 | 8.9 | 8.5 | 9.0 | 9.4 | 8.9 | 8.8 | 9.5 |
| | PREVAIL.DIR(TENS OF DEGS) | 30 | 36 | 36 | 36 | 36 | 36 | 17 | 36 | 36 | 36 | 36 | 36 | 02 | 36 |
| | MAXIMUM 2-MINUTE: SPEED (MPH) | 18 | 49 | 61 | 56 | 61 | 58 | 51 | 49 | 48 | 45 | 59 | 49 | 53 | 61 |
| | DIR. (TENS OF DEGS) | | 27 | 28 | 28 | 28 | 23 | 27 | 22 | 24 | 24 | 27 | 34 | 29 | 28 |
| | YEAR OF OCCURRENCE | | 1996 | 1999 | 2004 | 1996 | 2006 | 2009 | 2000 | 2011 | 2009 | 2001 | 2010 | 1993 | FEB 1999 |
| | MAXIMUM 3-SECOND SPEED (MPH) | 18 | 56 | 78 | 68 | 68 | 68 | 64 | 60 | 63 | 58 | 70 | 62 | 63 | 78 |
| | DIR. (TENS OF DEGS) | | 26 | 28 | 29 | 30 | 25 | 21 | 23 | 04 | 24 | 30 | 35 | 28 | 28 |
| | YEAR OF OCCURRENCE | | 2011 | 1999 | 2004 | 1996 | 2010 | 2011 | 2000 | 2009 | 2009 | 1996 | 2010 | 2000 | FEB 1999 |
| PRECIPITATION | NORMAL (IN) | 30 | 0.28 | 0.35 | 1.06 | 1.62 | 2.39 | 2.34 | 2.85 | 3.48 | 1.23 | 0.86 | 0.52 | 0.42 | 17.40 |
| | MAXIMUM MONTHLY (IN) | 62 | 1.17 | 2.45 | 2.42 | 7.50 | 5.67 | 8.00 | 5.27 | 7.04 | 5.91 | 5.01 | 2.21 | 1.05 | 8.00 |
| | YEAR OF OCCURRENCE | | 1987 | 1987 | 1998 | 1999 | 1957 | 1965 | 1968 | 1999 | 2011 | 1984 | 1957 | 1988 | JUN 1965 |
| | MINIMUM MONTHLY (IN) | 62 | T | T | 0.01 | 0.01 | 0.33 | 0.13 | 0.28 | 0.15 | T | 0.01 | T | T | 0.01 |
| | YEAR OF OCCURRENCE | | 1995 | 1991 | 1966 | 1964 | 2008 | 1990 | 2008 | 1962 | 1953 | 1980 | 1995 | 1995 | OCT 1980 |
| | MAXIMUM IN 24 HOURS (IN) | 62 | 0.79 | 1.49 | 1.63 | 3.30 | 2.57 | 3.09 | 3.66 | 4.11 | 4.97 | 1.60 | 1.45 | 0.69 | 4.97 |
| | YEAR OF OCCURRENCE | | 1987 | 1987 | 1998 | 1999 | 1955 | 1954 | 1997 | 1999 | 2008 | 1960 | 1979 | 1981 | SEP 2008 |
| | NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01 | 30 | 4.7 | 4.4 | 7.5 | 8.7 | 10.7 | 9.9 | 12.2 | 13.4 | 7.5 | 5.1 | 5.0 | 5.0 | 94.1 |
| | PRECIPITATION >= 1.00 | 30 | 0.0 | * | 0.1 | 0.2 | 0.5 | 0.4 | 0.6 | 0.6 | 0.2 | 0.1 | 0.0 | 0.0 | 2.7 |
| SNOWFALL | NORMAL (IN) | 30 | 5.4 | 5.1 | 9.4 | 6.3 | 1.3 | 0.* | 0.0 | 0.0 | 0.5 | 3.7 | 6.2 | 6.7 | 44.6 |
| | MAXIMUM MONTHLY (IN) | 63 | 28.7 | 23.2 | 23.2 | 42.7 | 19.4 | 1.1 | T | T | 27.9 | 25.9 | 26.3 | 18.2 | 42.7 |
| | YEAR OF OCCURRENCE | | 1987 | 1987 | 1984 | 1957 | 1978 | 1975 | 2010 | 2007 | 1959 | 1984 | 1991 | 1983 | APR 1957 |
| | MAXIMUM IN 24 HOURS (IN) | 63 | 22.0 | 14.8 | 15.0 | 18.0 | 17.4 | 1.1 | T | T | 17.1 | 19.9 | 14.5 | 9.6 | 22.0 |
| | YEAR OF OCCURRENCE | | 1987 | 1987 | 1998 | 1957 | 1978 | 1975 | 2010 | 1992 | 1959 | 1997 | 1972 | 1979 | JAN 1987 |
| | MAXIMUM SNOW DEPTH (IN) | 35 | 16 | 12 | 15 | 12 | 11 | 0 | 0 | 0 | 2 | 20 | 11 | 10 | 20 |
| | YEAR OF OCCURRENCE | | 1987 | 1987 | 1998 | 1997 | 1978 | | | | 1985 | 1997 | 1979 | 1979 | OCT 1997 |
| | NORMAL NO. DAYS WITH: SNOWFALL >= 1.0 | 30 | 1.6 | 1.5 | 2.6 | 1.7 | 0.3 | 0.0 | 0.0 | 0.0 | 0.1 | 0.8 | 1.6 | 2.0 | 12.2 |

PRECIPITATION (inches) 2011 COLORADO SPRINGS (KCOS)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1982 | 0.25 | 0.27 | 0.73 | 0.76 | 3.07 | 3.81 | 3.64 | 5.37 | 3.02 | 0.22 | 0.10 | 0.70 | 21.94 |
| 1983 | 0.43 | 0.09 | 1.79 | 0.97 | 3.08 | 2.41 | 0.99 | 2.59 | 0.37 | 0.28 | 1.09 | 0.70 | 14.79 |
| 1984 | 0.32 | 0.09 | 1.93 | 1.66 | 0.74 | 1.54 | 3.97 | 4.03 | 0.93 | 5.01 | 0.14 | 0.64 | 21.00 |
| 1985 | 0.42 | 0.24 | 1.68 | 2.07 | 3.36 | 0.78 | 4.92 | 1.56 | 1.49 | 0.52 | 0.42 | 0.55 | 18.01 |
| 1986 | 0.01 | 0.30 | 0.31 | 0.65 | 1.89 | 2.47 | 1.63 | 6.06 | 0.61 | 1.41 | 0.64 | 0.28 | 16.26 |
| 1987 | 1.17 | 2.45 | 1.79 | 0.50 | 3.82 | 2.89 | 0.67 | 2.77 | 0.55 | 0.54 | 0.44 | 0.64 | 18.23 |
| 1988 | 0.43 | 0.68 | 0.90 | 0.27 | 1.01 | 1.69 | 2.07 | 2.88 | 1.19 | 0.08 | 0.36 | 1.05 | 12.61 |
| 1989 | 0.23 | 1.23 | 0.49 | 1.06 | 1.11 | 3.42 | 2.26 | 2.63 | 2.30 | 0.28 | 0.02 | 0.41 | 15.44 |
| 1990 | 0.53 | 0.59 | 1.77 | 2.04 | 3.90 | 0.13 | 5.13 | 1.45 | 1.50 | 1.46 | 0.30 | 0.27 | 19.07 |
| 1991 | 0.09 | T | 0.42 | 1.76 | 0.80 | 3.07 | 2.87 | 4.57 | 0.56 | 0.88 | 2.05 | 0.45 | 17.52 |
| 1992 | 0.06 | 0.02 | 2.36 | 0.92 | 2.07 | 3.91 | 0.76 | 3.37 | 0.13 | 0.30 | 0.75 | 0.11 | 14.76 |
| 1993 | 0.52 | 0.21 | 0.79 | 1.02 | 1.60 | 1.27 | 2.38 | 2.17 | 1.44 | 0.91 | 0.97 | 0.11 | 13.39 |
| 1994 | 0.18 | 0.28 | 0.54 | 1.49 | 4.10 | 4.32 | 1.29 | 3.92 | 1.52 | 2.67 | 0.32 | 0.13 | 20.76 |
| 1995 | T | 0.21 | 0.71 | 3.05 | 4.81 | 7.78 | 1.91 | 1.77 | 1.87 | 0.02 | T | T | 22.13 |
| 1996 | 0.16 | 0.34 | 0.82 | 0.39 | 2.22 | 1.58 | 4.46 | 3.46 | 2.04 | 0.89 | 0.17 | 0.04 | 16.57 |
| 1997 | 0.11 | 0.18 | 0.34 | 3.30 | 1.16 | 5.44 | 4.63 | 4.70 | 1.78 | 0.98 | 0.22 | 0.10 | 22.94 |
| 1998 | 0.03 | 0.34 | 2.42 | 1.38 | 0.72 | 1.27 | 5.26 | 2.75 | 0.51 | 0.93 | 0.44 | 0.15 | 16.20 |
| 1999 | 0.12 | 0.05 | 0.41 | 7.50 | 3.57 | 1.36 | 4.70 | 7.04 | 0.52 | 1.10 | 1.01 | 0.20 | 27.58 |
| 2000 | 0.68 | 0.23 | 1.97 | 0.62 | 1.27 | 1.73 | 2.72 | 5.82 | 0.55 | 0.86 | 0.19 | 0.25 | 16.89 |
| 2001 | 0.82 | 0.26 | 1.38 | 0.98 | 3.21 | 2.14 | 3.25 | 1.47 | 1.01 | 0.02 | 0.37 | 0.09 | 15.00 |
| 2002 | 0.25 | 0.11 | 0.29 | 0.02 | 1.12 | 1.17 | 1.62 | 0.43 | 1.31 | 1.33 | 0.09 | 0.11 | 7.85 |
| 2003 | 0.03 | 0.63 | 1.02 | 0.97 | 0.90 | 5.07 | 1.14 | 1.89 | 0.58 | 0.09 | 0.04 | 0.06 | 12.42 |
| 2004 | 0.52 | 0.39 | 0.38 | 2.68 | 0.61 | 6.01 | 4.13 | 4.84 | 0.50 | 0.18 | 0.65 | 0.24 | 21.13 |
| 2005 | 0.78 | 0.04 | 1.03 | 1.08 | 0.73 | 2.10 | 1.91 | 2.65 | 0.68 | 0.48 | 0.08 | 0.30 | 11.86 |
| 2006 | 0.24 | 0.04 | 0.24 | 0.09 | 0.81 | 0.82 | 4.42 | 3.52 | 1.51 | 1.57 | 0.19 | 0.39 | 13.84 |
| 2007 | 0.31 | 0.17 | 0.66 | 1.85 | 2.35 | 0.94 | 1.74 | 2.69 | 0.34 | 0.25 | 0.10 | 0.39 | 11.79 |
| 2008 | 0.46 | 0.19 | 0.96 | 0.39 | 0.33 | 0.51 | 0.28 | 4.30 | 4.97 | 0.14 | 0.25 | 0.15 | 12.93 |
| 2009 | 0.09 | 0.04 | 0.45 | 1.52 | 2.39 | 2.89 | 3.82 | 1.84 | 1.20 | 0.36 | 0.45 | 0.67 | 15.72 |
| 2010 | 0.12 | 0.49 | 0.55 | 1.25 | 0.82 | 0.34 | 2.67 | 2.47 | 0.09 | 0.43 | 0.07 | 0.07 | 9.37 |
| 2011 | 0.11 | 0.14 | 0.54 | 0.68 | 0.69 | 0.26 | 4.90 | 1.49 | 5.91 | 0.87 | 0.19 | 0.46 | 16.24 |
| POR= 63 YRS | 0.29 | 0.31 | 0.87 | 1.34 | 2.09 | 2.24 | 2.90 | 2.91 | 1.33 | 0.78 | 0.44 | 0.32 | 15.82 |

WBAN : 93037

AVERAGE TEMPERATURE (°F) 2011 COLORADO SPRINGS (KCOS)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1982 | 29.4 | 29.0 | 38.1 | 45.7 | 52.7 | 60.1 | 70.2 | 68.5 | 59.0 | 47.6 | 35.4 | 29.8 | 47.1 |
| 1983 | 32.5 | 34.4 | 35.7 | 40.1 | 50.5 | 61.1 | 72.3 | 71.9 | 63.8 | 51.3 | 37.7 | 18.4 | 47.5 |
| 1984 | 26.1 | 33.3 | 35.3 | 41.4 | 58.2 | 65.1 | 71.5 | 68.4 | 59.5 | 42.8 | 38.4 | 33.1 | 47.8 |
| 1985 | 25.1 | 26.3 | 37.9 | 48.7 | 57.2 | 65.0 | 70.3 | 69.8 | 58.0 | 49.0 | 32.1 | 27.9 | 47.3 |
| 1986 | 38.2 | 34.7 | 44.3 | 48.5 | 54.6 | 65.8 | 70.4 | 67.6 | 59.1 | 48.0 | 37.7 | 29.8 | 49.9 |
| 1987 | 29.4 | 33.0 | 35.3 | 48.5 | 56.0 | 65.1 | 70.7 | 66.1 | 60.0 | 50.4 | 39.2 | 29.0 | 48.6 |
| 1988 | 24.3 | 31.8 | 36.2 | 48.2 | 56.4 | 68.7 | 70.6 | 70.4 | 60.8 | 53.0 | 39.2 | 29.2 | 49.1 |
| 1989 | 32.8 | 21.8 | 43.7 | 49.0 | 57.6 | 62.1 | 71.8 | 68.4 | 61.0 | 49.7 | 41.5 | 27.3 | 48.9 |
| 1990 | 33.6 | 31.7 | 38.9 | 47.1 | 53.8 | 69.5 | 68.0 | 68.0 | 64.5 | 49.5 | 42.7 | 24.3 | 49.3 |
| 1991 | 28.0 | 38.0 | 39.9 | 45.8 | 58.0 | 67.0 | 69.4 | 68.1 | 60.5 | 50.3 | 33.0 | 31.0 | 49.1 |
| 1992 | 32.6 | 37.6 | 41.6 | 52.1 | 57.8 | 62.5 | 68.4 | 66.6 | 62.9 | 52.4 | 31.9 | 29.3 | 49.6 |
| 1993 | 26.7 | 29.4 | 39.8 | 46.1 | 55.6 | 65.0 | 70.7 | 67.3 | 58.1 | 48.0 | 32.3 | 32.3 | 47.6 |
| 1994 | 31.5 | 31.6 | 40.6 | 45.5 | 57.7 | 69.1 | 69.8 | 70.2 | 62.7 | 49.1 | 37.4 | 33.6 | 49.9 |
| 1995 | 31.4 | 35.8 | 38.7 | 41.3 | 49.4 | 60.6 | 67.4 | 71.9 | 59.0 | 48.9 | 41.4 | 32.1 | 48.2 |
| 1996 | 27.2 | 34.0 | 35.5 | 47.2 | 59.6 | 65.7 | 69.8 | 67.6 | 57.4 | 49.0 | 38.1 | 33.0 | 48.7 |
| 1997 | 27.1 | 30.2 | 40.7 | 39.5 | 53.8 | 64.3 | 70.5 | 67.1 | 62.2 | 48.5 | 33.5 | 30.5 | 47.3 |
| 1998 | 32.1 | 31.6 | 35.4 | 43.0 | 58.9 | 63.8 | 71.0 | 67.6 | 65.4 | 50.0 | 41.7 | 28.3 | 49.1 |
| 1999 | 33.7 | 38.1 | 42.1 | 42.2 | 53.4 | 62.9 | 71.1 | 68.7 | 57.7 | 50.8 | 44.9 | 33.6 | 49.9 |
| 2000 | 32.1 | 38.0 | 39.0 | 48.8 | 59.4 | 64.2 | 71.9 | 71.4 | 62.0 | 49.7 | 30.3 | 28.0 | 49.6 |
| 2001 | 27.1 | 30.3 | 37.4 | 49.4 | 55.1 | 66.5 | 73.5 | 69.8 | 63.1 | 50.9 | 41.0 | 31.6 | 49.6 |
| 2002 | 30.1 | 31.8 | 35.4 | 50.4 | 56.3 | 70.8 | 73.9 | 70.0 | 62.4 | 44.9 | 37.2 | 31.8 | 49.6 |
| 2003 | 35.8 | 26.8 | 40.4 | 49.8 | 57.0 | 61.5 | 75.8 | 71.1 | 58.3 | 53.9 | 37.1 | 33.4 | 50.1 |
| 2004 | 30.7 | 30.2 | 44.7 | 46.3 | 59.2 | 62.7 | 67.3 | 64.5 | 61.0 | 50.8 | 35.9 | 32.7 | 48.8 |
| 2005 | 33.4 | 35.1 | 37.9 | 46.6 | 56.4 | 65.4 | 73.3 | 67.7 | 64.5 | 50.4 | 41.3 | 28.6 | 50.1 |
| 2006 | 34.8 | 30.0 | 38.5 | 51.0 | 59.0 | 69.9 | 71.7 | 68.1 | 56.2 | 47.5 | 40.1 | 31.3 | 49.8 |
| 2007 | 24.6 | 33.0 | 44.5 | 45.1 | 55.4 | 64.7 | 72.2 | 72.6 | 63.4 | 52.6 | 41.3 | 27.3 | 49.7 |
| 2008 | 26.7 | 32.7 | 38.4 | 45.1 | 55.2 | 65.9 | 74.2 | 68.5 | 60.4 | 50.8 | 41.7 | 30.2 | 49.2 |
| 2009 | 34.0 | 36.1 | 41.0 | 45.6 | 57.2 | 64.0 | 68.7 | 67.4 | 59.7 | 42.7 | 41.4 | 23.3 | 48.4 |
| 2010 | 30.8 | 27.8 | 40.7 | 48.0 | 55.4 | 69.6 | 72.7 | 70.9 | 67.0 | 53.7 | 38.1 | 34.5 | 50.8 |
| 2011 | 29.3 | 29.3 | 43.1 | 48.3 | 54.2 | 70.5 | 75.1 | 74.1 | 62.5 | 50.7 | 40.6 | 28.9 | 50.6 |
| POR= 63 YRS | 29.6 | 31.5 | 37.7 | 45.8 | 55.7 | 64.4 | 71.0 | 68.9 | 60.5 | 50.2 | 37.6 | 30.8 | 48.6 |

HEATING DEGREE DAYS (base 65°F) 2011 COLORADO SPRINGS (KCOS)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|-----|-------|
| 1982-83 | 8 | 11 | 198 | 532 | 880 | 1084 | 1001 | 851 | 904 | 742 | 444 | 159 | 6814 |
| 1983-84 | 2 | 0 | 101 | 417 | 811 | 1438 | 1198 | 911 | 912 | 700 | 220 | 58 | 6768 |
| 1984-85 | 0 | 6 | 200 | 684 | 790 | 982 | 1233 | 1077 | 830 | 481 | 242 | 77 | 6602 |
| 1985-86 | 5 | 8 | 253 | 487 | 978 | 1142 | 822 | 840 | 635 | 487 | 315 | 49 | 6021 |
| 1986-87 | 4 | 14 | 174 | 519 | 813 | 1081 | 1096 | 888 | 912 | 491 | 272 | 50 | 6314 |
| 1987-88 | 17 | 74 | 150 | 445 | 767 | 1108 | 1256 | 958 | 886 | 499 | 273 | 25 | 6458 |
| 1988-89 | 7 | 8 | 154 | 366 | 767 | 1099 | 989 | 1207 | 655 | 475 | 247 | 134 | 6108 |
| 1989-90 | 0 | 4 | 172 | 473 | 699 | 1164 | 966 | 928 | 805 | 526 | 345 | 24 | 6106 |
| 1990-91 | 28 | 21 | 83 | 473 | 663 | 1258 | 1142 | 750 | 773 | 568 | 219 | 33 | 6011 |
| 1991-92 | 16 | 16 | 145 | 453 | 954 | 1048 | 998 | 788 | 717 | 383 | 219 | 96 | 5833 |
| 1992-93 | 21 | 53 | 91 | 383 | 990 | 1101 | 1179 | 991 | 776 | 558 | 286 | 84 | 6513 |
| 1993-94 | 0 | 40 | 212 | 519 | 972 | 1008 | 1032 | 926 | 749 | 576 | 223 | 14 | 6271 |
| 1994-95 | 10 | 14 | 98 | 486 | 821 | 969 | 1035 | 811 | 808 | 702 | 477 | 152 | 6383 |
| 1995-96 | 38 | 3 | 231 | 490 | 700 | 1011 | 1162 | 890 | 908 | 527 | 192 | 48 | 6200 |
| 1996-97 | 2 | 17 | 237 | 490 | 800 | 986 | 1167 | 967 | 747 | 758 | 341 | 70 | 6582 |
| 1997-98 | 6 | 28 | 111 | 506 | 937 | 1060 | 1012 | 928 | 911 | 653 | 208 | 116 | 6476 |
| 1998-99 | 3 | 6 | 43 | 458 | 691 | 1129 | 965 | 748 | 702 | 674 | 357 | 101 | 5877 |
| 1999-00 | 0 | 5 | 239 | 434 | 600 | 968 | 1010 | 773 | 798 | 478 | 206 | 83 | 5594 |
| 2000-01 | 0 | 2 | 150 | 473 | 1033 | 1137 | 1169 | 964 | 850 | 462 | 305 | 54 | 6599 |
| 2001-02 | 0 | 6 | 97 | 431 | 714 | 1029 | 1075 | 925 | 909 | 431 | 280 | 22 | 5919 |
| 2002-03 | 0 | 7 | 135 | 622 | 828 | 1023 | 898 | 1062 | 755 | 449 | 265 | 116 | 6160 |
| 2003-04 | 0 | 16 | 200 | 337 | 828 | 972 | 1056 | 1002 | 620 | 554 | 185 | 112 | 5882 |
| 2004-05 | 33 | 65 | 150 | 432 | 868 | 998 | 973 | 830 | 834 | 544 | 280 | 71 | 6078 |
| 2005-06 | 2 | 24 | 72 | 450 | 703 | 1120 | 930 | 974 | 814 | 414 | 216 | 17 | 5736 |
| 2006-07 | 4 | 21 | 257 | 537 | 739 | 1039 | 1247 | 890 | 629 | 593 | 288 | 70 | 6314 |
| 2007-08 | 0 | 0 | 106 | 382 | 704 | 1164 | 1183 | 932 | 819 | 591 | 312 | 57 | 6250 |
| 2008-09 | 0 | 38 | 145 | 432 | 689 | 1073 | 955 | 804 | 736 | 575 | 244 | 94 | 5785 |
| 2009-10 | 22 | 19 | 175 | 683 | 703 | 1287 | 1055 | 1036 | 746 | 503 | 318 | 35 | 6582 |
| 2010-11 | 4 | 2 | 23 | 343 | 801 | 937 | 1098 | 991 | 671 | 496 | 338 | 6 | 5710 |
| 2011- | 0 | 0 | 116 | 439 | 723 | 1112 | | | | | | | |

WBAN : 93037

COOLING DEGREE DAYS (base 65°F) 2011 COLORADO SPRINGS (KCOS)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1982 | 0 | 0 | 0 | 0 | 0 | 23 | 176 | 127 | 26 | 0 | 0 | 0 | 352 |
| 1983 | 0 | 0 | 0 | 0 | 1 | 48 | 236 | 219 | 71 | 0 | 0 | 0 | 575 |
| 1984 | 0 | 0 | 0 | 0 | 17 | 68 | 207 | 119 | 42 | 0 | 0 | 0 | 453 |
| 1985 | 0 | 0 | 0 | 0 | 5 | 83 | 179 | 163 | 51 | 0 | 0 | 0 | 481 |
| 1986 | 0 | 0 | 0 | 0 | 1 | 82 | 180 | 102 | 3 | 0 | 0 | 0 | 368 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 62 | 199 | 113 | 6 | 0 | 0 | 0 | 380 |
| 1988 | 0 | 0 | 0 | 0 | 12 | 143 | 190 | 181 | 33 | 0 | 0 | 0 | 559 |
| 1989 | 0 | 0 | 0 | 3 | 25 | 54 | 220 | 117 | 57 | 3 | 0 | 0 | 479 |
| 1990 | 0 | 0 | 0 | 0 | 6 | 168 | 128 | 121 | 73 | 0 | 0 | 0 | 496 |
| 1991 | 0 | 0 | 0 | 0 | 8 | 101 | 161 | 120 | 15 | 4 | 0 | 0 | 409 |
| 1992 | 0 | 0 | 0 | 4 | 3 | 28 | 131 | 106 | 32 | 0 | 0 | 0 | 304 |
| 1993 | 0 | 0 | 0 | 0 | 2 | 89 | 183 | 117 | 11 | 1 | 0 | 0 | 403 |
| 1994 | 0 | 0 | 0 | 0 | 5 | 143 | 165 | 182 | 33 | 0 | 0 | 0 | 528 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 30 | 120 | 226 | 60 | 0 | 0 | 0 | 436 |
| 1996 | 0 | 0 | 0 | 4 | 31 | 77 | 159 | 106 | 16 | 1 | 0 | 0 | 394 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 55 | 182 | 101 | 33 | 0 | 0 | 0 | 371 |
| 1998 | 0 | 0 | 0 | 0 | 23 | 88 | 194 | 95 | 61 | 0 | 0 | 0 | 461 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 42 | 196 | 130 | 26 | 0 | 0 | 0 | 394 |
| 2000 | 0 | 0 | 0 | 0 | 39 | 65 | 220 | 208 | 67 | 5 | 0 | 0 | 604 |
| 2001 | 0 | 0 | 0 | 0 | 5 | 106 | 272 | 164 | 45 | 0 | 0 | 0 | 592 |
| 2002 | 0 | 0 | 0 | 0 | 17 | 204 | 284 | 170 | 61 | 0 | 0 | 0 | 736 |
| 2003 | 0 | 0 | 0 | 0 | 22 | 18 | 342 | 212 | 5 | 0 | 0 | 0 | 599 |
| 2004 | 0 | 0 | 0 | 0 | 13 | 49 | 111 | 55 | 38 | 0 | 0 | 0 | 266 |
| 2005 | 0 | 0 | 0 | 0 | 22 | 90 | 265 | 111 | 63 | 4 | 0 | 0 | 555 |
| 2006 | 0 | 0 | 0 | 0 | 37 | 170 | 219 | 124 | 0 | 2 | 0 | 0 | 552 |
| 2007 | 0 | 0 | 0 | 0 | 0 | 65 | 230 | 246 | 65 | 5 | 0 | 0 | 611 |
| 2008 | 0 | 0 | 0 | 0 | 14 | 93 | 289 | 151 | 12 | 0 | 0 | 0 | 559 |
| 2009 | 0 | 0 | 0 | 0 | 7 | 71 | 141 | 102 | 24 | 0 | 0 | 0 | 345 |
| 2010 | 0 | 0 | 0 | 0 | 28 | 182 | 250 | 192 | 90 | 0 | 0 | 0 | 742 |
| 2011 | 0 | 0 | 0 | 0 | 8 | 177 | 317 | 287 | 48 | 4 | 0 | 0 | 841 |

SNOWFALL (inches) 2011 COLORADO SPRINGS (KCOS)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|------|------|------|------|------|------|------|-----|-----|-------|
| 1982-83 | 0.0 | 0.0 | 0.0 | 0.2 | 0.9 | 8.2 | 4.0 | 1.1 | 16.3 | 4.8 | 0.8 | 0.0 | 36.3 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 10.3 | 18.2 | 7.8 | 1.4 | 23.2 | 9.0 | 0.8 | 0.0 | 70.7 |
| 1984-85 | 0.0 | 0.0 | 0.9 | 25.9 | 2.0 | 10.9 | 8.0 | 4.7 | 22.3 | 0.8 | T | 0.0 | 75.5 |
| 1985-86 | 0.0 | 0.0 | 1.9 | 1.7 | 8.3 | 6.3 | 0.2 | 4.6 | 2.9 | 4.0 | T | 0.0 | 29.9 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 1.4 | 7.3 | 4.4 | 28.7 | 23.2 | 14.9 | 3.3 | T | 0.0 | 83.2 |
| 1987-88 | 0.0 | 0.0 | 0.0 | 0.0 | 4.8 | 9.5 | 4.9 | 11.5 | 12.6 | 1.0 | 0.3 | 0.0 | 44.6 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 13.6 | 3.0 | 18.9 | T | 1.0 | 0.0 | T | 38.1 |
| 1989-90 | T | T | T | 2.1 | 0.2 | 7.5 | 8.7 | 9.3 | 9.7 | 11.3 | 4.2 | 0.0 | 53.0 |
| 1990-91 | 0.0 | 0.0 | 0.0 | 8.2 | 2.7 | 4.1 | 0.9 | T | 5.2 | 5.9 | 1.5 | 0.0 | 28.5 |
| 1991-92 | 0.0 | 0.0 | 0.0 | 7.5 | 26.3 | 4.5 | 1.2 | 0.2 | 3.0 | T | 0.0 | T | 42.7 |
| 1992-93 | T | T | 0.0 | T | 11.4 | 2.6 | 7.5 | 3.3 | 2.3 | 1.2 | T | T | 28.3 |
| 1993-94 | T | 0.0 | 0.1 | 0.5 | 12.3 | 0.5 | 2.2 | 1.5 | 6.8 | 8.7 | T | T | 32.6 |
| 1994-95 | 0.0 | 0.0 | T | 0.2 | 6.1 | 3.9 | 4.5 | 6.5 | 7.7 | 0.0 | 0.0 | T | 28.9 |
| 1995-96 | 0.0 | 0.0 | 0.5 | 0.2 | T | T | 2.9 | 4.7 | 6.9 | 3.2 | | | |
| 1996-97 | | | | 8.7 | | | 9.3 | 3.4 | 2.4 | 12.3 | T | 0.0 | |
| 1997-98 | 0.0 | T | 0.0 | 19.9 | 3.5 | 1.8 | 0.3 | 4.3 | 17.5 | 9.5 | T | T | 56.8 |
| 1998-99 | T | T | 0.0 | 1.1 | 1.7 | 7.3 | 2.9 | 0.3 | 2.7 | 17.6 | 0.3 | T | 33.9 |
| 1999-00 | 0.0 | 0.0 | 0.2 | 3.0 | 10.6 | 2.3 | 7.4 | 2.0 | 12.6 | 2.0 | T | 0.0 | 40.1 |
| 2000-01 | T | 0.0 | 1.5 | 1.5 | 2.9 | 3.7 | 14.6 | 5.9 | 12.0 | 8.1 | 6.5 | T | 56.7 |
| 2001-02 | 0.0 | T | 2.4 | 0.0 | 3.7 | 1.2 | 4.5 | 1.1 | 3.0 | T | T | T | 15.9 |
| 2002-03 | T | 0.0 | 0.0 | 1.0 | 1.7 | 2.7 | 0.3 | 9.3 | 6.2 | 4.0 | 0.4 | T | 25.6 |
| 2003-04 | T | 0.0 | 0.0 | T | 0.7 | 0.8 | 9.3 | 3.7 | 2.2 | 6.6 | T | T | 23.3 |
| 2004-05 | T | T | 0.0 | 0.5 | 6.5 | 4.4 | 9.1 | 0.4 | 7.5 | 2.2 | T | T | 30.6 |
| 2005-06 | T | T | T | T | 0.2 | 10.4 | 2.8 | 1.0 | 2.5 | T | 0.5 | T | 17.4 |
| 2006-07 | 0.0 | 0.0 | 0.0 | 7.6 | 2.7 | 7.4 | 6.2 | 2.2 | T | 3.8 | T | T | 29.9 |
| 2007-08 | T | T | 0.0 | T | 1.4 | 7.2 | 8.0 | 2.7 | 11.7 | 2.5 | 0.5 | 0.0 | 34.0 |
| 2008-09 | 0.0 | 0.0 | 0.0 | T | 2.7 | 5.2 | 3.3 | 0.6 | 4.7 | 1.4 | 0.0 | 0.0 | 17.9 |
| 2009-10 | 0.0 | 0.0 | T | 1.8 | 1.5 | 9.4 | 1.9 | 9.7 | 7.2 | 0.3 | T | 0.0 | 31.8 |
| 2010-11 | T | 0.0 | 0.0 | T | 0.2 | 4.0 | 1.6 | 2.5 | 3.1 | 1.3 | T | 0.0 | 12.7 |
| 2011- | 0.0 | 0.0 | 0.0 | 3.6 | 1.0 | 11.7 | | | | | | | |
| POR= 49 YRS | T | T | 1.0 | 3.0 | 4.8 | 5.4 | 5.0 | 4.6 | 8.5 | 6.1 | 1.2 | T | 39.6 |

WBAN : 93037

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 MEDADATA SYSTEM", URL IS: https://mi3.ncdc.noaa.gov/mi3qry/login.cfm SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</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> |
|--|--|

2011

COLORADO SPRINGS

COLORADO (KCOS)

At an elevation near 6,200 feet above sea level, Colorado Springs is located in relatively flat semi-arid country on the eastern slope of the Rocky Mountains. Immediately to the west the mountains rise abruptly to heights ranging from 10,000 to 14,000 feet but generally averaging near 11,000 feet. To the east lie gently undulating prairie lands. The land slopes upward to the north, reaching an average height of about 8,000 feet in 20 miles at the top of Palmer Lake Divide.

Colorado Springs is in the Arkansas River drainage basin. The principal tributary feeding the Arkansas from this area is Fountain Creek which rises in the high mountains west of the city and is fed by Monument Creek originating to the north in the Palmer Lake Divide area.

Other topographical features of the area, and particularly its wide range of elevations, help to give Colorado Springs the various and altogether delightful plains and mountain mixture of climate that has established the locality as a highly desirable place to live. The higher elevations immediately to the west and north of the city produce significant differences in temperature and precipitation. Precipitation amounts at these higher elevations are approximately twice those at nearby lower elevations and the number of rainy days is almost triple.

In Colorado Springs itself, precipitation is relatively sparse. Over 80 percent of it falls between April 1 and September 30, mostly as heavy downpours accompanying summer thunderstorms. Temperatures, in view of the station latitude and elevation, are mild. Uncomfortable extremes, in either summer or winter, are comparatively rare and of short duration. Relative humidity is normally low and wind movement moderately high. This is notably true of the west-to-east movement of the chinook winds, that cause rapid rises in winter temperatures and remind us that the Indian meaning of CHINOOK is SNOW EATER.

Colorado Springs is best known as a resort city, but is also important to the high-tech industry and military community. Several military installations, including the United States Air Force Academy and the Space Command are located within or near the city. The surrounding prairie is also important for cattle raising and a considerable amount of grazing land is used for sheep in the summer months. The growing season varies considerably in length but averages from the first week in May to the first week of October.

Station History

COLORADO SPRINGS, CO

| NAME | Begin Date | End Date | Latitude | Longitude | Elevation Feet | Relocation | Platform |
|---------------------------------|------------|------------|----------|-----------|----------------|------------|---------------|
| PETERSON FIELD | 1931-10-01 | 1932-11-30 | 38° 49' | -104° 42' | | | AIRWAYS |
| COLORADO SPRINGS MUNICIPAL AP | 2008-01-01 | Present | 38° 48' | -104° 41' | 6181 | | ASOS, COOP |
| COLORADO SPRINGS MUNICIPAL AP | 1992-11-01 | 2002-11-25 | 38° 48' | -104° 42' | 6140 | | ASOS, COOP |
| COLORADO SPRINGS PETERSON FIELD | 1960-02-01 | 1967-01-01 | 38° 49' | -104° 42' | 6145 | | AIRWAYS, COOP |
| COLORADO SPRINGS PETERSON FIELD | 1973-01-01 | 1975-12-12 | 38° 49' | -104° 43' | 6145 | | COOP, WXSVC |
| COLORADO SPRINGS MUNICIPAL AP | 2002-11-25 | 2008-01-01 | 38° 48' | -104° 41' | 6181 | | ASOS, COOP |
| PETERSON FIELD | 1935-10-01 | 1941-01-01 | 38° 49' | -104° 42' | | | AIRWAYS |
| COLORADO SPRINGS PETERSON FIELD | 1941-01-01 | 1944-02-28 | 38° 49' | -104° 42' | | | AIRWAYS, COOP |
| COLORADO SPRINGS PETERSON FIELD | 1954-01-01 | 1960-02-01 | 38° 49' | -104° 42' | 6163 | | AIRWAYS, COOP |
| COLORADO SPRINGS PETERSON FIELD | 1967-01-01 | 1973-01-01 | 38° 49' | -104° 43' | 6145 | | AIRWAYS, COOP |
| COLORADO SPRINGS MUNICIPAL AP | 1975-12-12 | 1992-11-01 | 38° 49' | -104° 43' | 6145 | | COOP, WXSVC |
| COLORADO SPRINGS PETERSON FIELD | 1948-07-01 | 1954-01-01 | 38° 49' | -104° 42' | 6175 | | AIRWAYS, COOP |

Element History

| Element | Begin Date | End Date | Frequency | Time Of Observation | Equipment * | Equipment * Modifications | Equipment Exposure |
|---------|------------|------------|-----------|---------------------|-------------|---------------------------|--------------------|
| PRECIP | 1995-07-01 | 1995-08-01 | HOURLY | 2400 | UNIV | RCRD | |
| PRECIP | 1948-07-01 | 1982-01-01 | DAILY | 2400 | | | |
| PRECIP | 2002-11-25 | 2008-01-01 | DAILY | 2400 | PCPN1 | SHLD | |
| TEMP | 1988-05-17 | 1993-08-09 | DAILY | 2400 | MXMN | | |
| TEMP | 1995-08-01 | 2002-11-25 | DAILY | 2400 | HYGR | | |
| PRECIP | 1995-08-01 | 2002-11-25 | HOURLY | 2400 | TB | RCRD | |
| PRECIP | 2002-11-25 | 2008-01-01 | HOURLY | 2400 | AHTB | SHLD; RCRD; HTD | |
| PRECIP | 2008-01-01 | 2011-12-31 | HOURLY | 2400 | AHTB | SHLD; RCRD; HTD | |
| PRECIP | 1995-07-01 | 1995-08-01 | DAILY | 2400 | UNIV | RCRD | |
| TEMP | 2011-12-31 | Present | DAILY | 2400 | ATEMP | SHLD | |
| PRECIP | 1982-01-01 | 1988-05-17 | DAILY | 2400 | | | |
| PRECIP | 1988-05-17 | 1993-08-09 | DAILY | 2400 | UNIV | RCRD | |
| PRECIP | 1993-08-09 | 1995-07-01 | DAILY | 2400 | UNIV | RCRD | |
| TEMP | 2008-01-01 | 2011-12-31 | DAILY | 2400 | HYGR | | |
| TEMP | 1931-10-01 | 1944-02-28 | DAILY | 2400 | | | |
| PRECIP | 1931-10-01 | 1944-02-28 | DAILY | 2400 | | | |
| TEMP | 2002-11-25 | 2008-01-01 | DAILY | 2400 | HYGR | | |
| TEMP | 1948-07-01 | 1982-01-01 | DAILY | 2400 | | | |
| TEMP | 1995-07-01 | 1995-08-01 | DAILY | 2400 | HYGR | | |
| PRECIP | 2011-12-31 | Present | HOURLY | 2400 | AWPAG | RCRD; HTD | |
| TEMP | 1982-01-01 | 1988-05-17 | DAILY | 2400 | | | |
| PRECIP | 1982-01-01 | 1988-05-17 | HOURLY | 2400 | | | |
| PRECIP | 1988-05-17 | 1993-08-09 | HOURLY | 2400 | | | |
| TEMP | 1993-08-09 | 1995-07-01 | DAILY | 2400 | HYGR | | |
| PRECIP | 1993-08-09 | 1995-07-01 | HOURLY | 2400 | | | |
| PRECIP | 1995-08-01 | 2002-11-25 | DAILY | 2400 | TB | RCRD | |
| PRECIP | 2008-01-01 | 2011-12-31 | DAILY | 2400 | PCPNX | | |
| PRECIP | 2011-12-31 | Present | DAILY | 2400 | PCPNX | SHLD | |

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

Other Station Information can be found at:

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

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

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

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : ncdc.info@noaa.gov

NOAA/National Climatic Data Center

Attn: User Engagement & Services Branch

151 Patton Avenue

Asheville, NC 28801-5001

Visit our Web Site for other weather data: www.ncdc.noaa.gov