Climate Update
September 24, 2003 WATF meeting

Nolan Doesken
Colorado Climate Center

Prepared by Odie Bliss
http://ccc.atmos.colostate.edu
August 2003 Precipitation as a percent of the 1971-2000 average.
August 2003 Temperature Departures from the 1971-2000 average
WY 2003 Temperature Departures

Water Year 2003

Departure from average, degree F

Eastern Plains  Foothills  Mountains  Western Valleys
Colorado Statewide Precipitation
Normal & Departure, Jan 1998 - Aug 2003

National Climatic Data Center / NESDIS / NOAA

http://www.ncdc.noaa.gov oa/climate/research/prelim/drought/st005dv00pcp.html
Climate divisions defined by Dr. Klaus Wolter of NOAA's Climate Diagnostic Center in Boulder, CO
Division 1

Grandlake 1 NW
2003 Water Year
(through October '02 - August '03)

Accumulated Precipitation (Inches)

- 30 Year Averages-1971-2000
- Max Year - 1984
- Min Year - 2002
- Period of Record Average - 1941 - 2002
- 2003 Water Year Accumulated
Division 1

Taylor Park
2003 Water Year
(through October '02 - August '03)

- 30 Year Averages-1971-2000
- Max Year - 1999
- Min Year - 1974
- Period of Record Average - 1942 - 2002
- 2003 Water Year Accumulated
Grand Junction WSFO
2003 Water Year
(through October '02 - August '03)

30 Year Averages-1971-2000
Max Year - 1929
Min Year - 1956
Period of Record Average - 1893-2002
2003 Water Year Accumulated
Collbran 2SW
2003 Water Year
(through October '02 - August '03)

- 30 Year Averages-1971-2000
- Max Year - 1997
- Min Year - 1974
- Period of Record Average - 1893 - 2002
- 2003 Water Year Accumulated
Cochetopa Creek
2003 Water Year
(through October '02 - August '03)
Division 3

Mesa Verde NP
2003 Water Year
(through October '02 - August '03)

- 30 Year Averages-1971-2000
- Min Year - 1977
- Max Year - 1941
- Period of Record Average - 1893-2002
- 2003 Water Year Accumulated
Montrose #2
2003 Water Year
(through October '02 - August '03)

- 30 Year Averages-1971-2000
- Max Year - 1941
- Mn Year - 1958
- Period of Record Average - 1893-2002
- 2003 Water Year Accumulated
Center 4SSW
2003 Water Year
(through October '02 - August '03)

30 Year Averages-1971-2000
Max Year - 1992
Min Year - 1951
Period of Record Average - 1971 - 2002
2003 Water Year Accumulated

Accumulated Precipitation (Inches)

Months
OCT  NOV  DEC  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP
Division 4

Delnorte 2E
2003 Water Year
(through October '02 - August '03)

Accumulated Precipitation (Inches)

30 Year Averages-1971-2000
Max Year - 1985
Min Year - 1951
Period of Record Average - 1921-2002
2003 Accumulated
Colorado Springs
2003 Water Year
(through October '02 - August '03)
Division 5

Pueblo WSO
2003 Water Year
(through October '02 - August '03)

- 30 Year Averages-1971-2000
- Max Year - 1942
- Min Year - 2002
- Period of Record Average - 1874-2000
- 2003 Water Year Accumulated

Accumulated Precipitation (Inches)
Division 6

Cheyenne Wells
2003 Water Year
(through October '02 - August '03)

Accumulated Precipitation (Inches)

- 30 Year Averages-1971-2000
- Max Year - 1909
- Period of Record Average - 1971 - 2002
- Min Year - 1956

- 2003 Water Year
Division 6

Rocky Ford
2003 Water Year
(through October '02 - August '03)

Accumulated Precipitation (Inches)

Months

OCT  NOV  DEC  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP

30 Year Averages-1971-2000
Max Year - 1999
Min Year - 2002
Period of Record Average - 1889-2002
2003 Water Year Accumulated
Division 7

Akron 4E
2003 Water Year
(through October '02 - August '03)

Accumulated Precipitation (Inches)

- 30 Year Averages - 1971-2000
- Max Year - 1915
- Min Year - 1966
- Period of Record Average - 1906 - 2002
- 2003 Water Year Accumulated
Boulder
2003 Water Year
(October '02 - August '03)

Accumulated Precipitation (inches)

2003 Water Year
30 Year Averages-1971-2000
Max Year - 1995
Min Year - 1966
Period of Record Average - 1894-2002
2002 Water Year

Months

Accumulated Precipitation (inches)

OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP
Cheesman
2003 Water Year
(October '02 - August '03)

Accumulated Precipitation (Inches)

- 30 Year Averages-1971-2000
- Max Year - 1970
- Min Year - 2002
- Period of Record Average - 1904 - 2002
- 2003 Water Year

Months

Division 8
Division 8

Kassler
2003 Water Year
(through October '02 - August '03)

Accumulated Precipitation (Inches)

- 30 Year Averages-1971-2000
- Max Year - 1915
- Min Year - 1956
- Period of Record Average - 1899 - 2002
- 2003 Water Year Accumulated

Months

OCT    NOV    DEC    JAN    FEB    MAR    APR    MAY    JUN    JUL    AUG    SEP

Accumulated Precipitation (Inches)

0      5      10     15     20     25     30     35

- 30 Year Averages-1971-2000
- Max Year - 1915
- Min Year - 1956
- Period of Record Average - 1899 - 2002
- 2003 Water Year Accumulated
3 Month SPI
Projected Conditions at 0.2 Probability Level
3 Month SPI at 1 month
6 Month SPI
Projected Conditions at 0.2 Probability Level
6 Month SPI at 2 months
12 Month SPI
Projected Conditions at 0.2 Probability Level
12 Month SPI at 6 months
Projected Conditions at 0.5 Probability Level
12 Month SPI at 4 months
Colorado Palmer Drought Index through August 2003

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99.00 = cannot determine to use the wet or dry index, near average.
CoCoRaHS map for all Colorado stations for 9/10/03
### Rainy Days Report for September 2003 for all CoCoRaHS stations

#### CoCoRaHS Summary of Precipitation Reports for September 2003

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For more information visit the CoCo RaHS Web site

http://www.cocorahs.org

Support for this project provided by Informal Science Education Program, National Science Foundation and many local charter sponsors.
Data and Power Point Presentations available for downloading

http://ccc.atmos.colostate.edu

click on “Drought”
then click on “Presentations”
CoCo RaHS
YOU CAN HELP!

http://www.cocorahs.org