Climate Update

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http://ccc.atmos.colostate.edu

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Task Force, Denver, CO, February 20, 2008

Prepared by Odie Bliss
Photo by Colorado Avalanche Information Center
January Average Temperature History for Colorado (NCDC)

Period of record 1895-2008
January 2008 Percent of Average (Prism)

1-month Percent of Average Precipitation: Jan 2008
Provisional Data

% of Average Precipitation
- 0
- 1-10
- 11-20
- 21-30
- 31-50
- 51-70
- 71-90
- 91-110
- 111-130
- 131-150
- 151-170
- 171-200
- 201-250
- 251-300
- 301+

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http://www.prismclimate.org – Map created Feb 12 2008
Climate divisions defined by Dr. Klaus Wolter of NOAA's Climate Diagnostic Center in Boulder, CO
Grand Lake 1 NW
2008 Water Year

- 30 Year Averages-1971-2000
- Period of Record Average - 1941 - 2002
- 2008 Water Year Accumulated
- Max Precip
- Mn Precip
Grand Junction WSFO
2008 Water Year

Accumulated Precipitation (Inches)

- 30 Year Averages-1971-2000
- Period of Record Average - 1893-2002
- 2008 Water Year Accumulated
- Max Precip
- Min Precip
Division 3 – Montrose

Montrose #2
2008 Water Year

Accumulated Precipitation (Inches)

- 30 Year Averages-1971-2000
- Period of Record Average - 1893-2002
- 2008 Water Year Accumulated
- Max Precip
- Mr
Division 3 – Mesa Verde

Mesa Verde NP
2008 Water Year

- 30 Year Averages-1971-2000
- Period of Record Average - 1893-2002
- 2008 Water Year Accumulated
- Max Precip
- Min

Accumulated Precipitation (Inches)

Months

OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP
Division 3 – Cochetopa Creek

Cochetopa Creek
2008 Water Year

- 30 Year Averages-1971-2000
- Period of Record Average - 1949 - 2002
- 2008 Water Year
- Max Precip
- Min Precip

Accumulated Precipitation (Inches)

Months

Accumulated Precipitation (Inches)

Months

OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
Division 4 – Del Norte

Del Norte
2008 Water Year

- 30 Year Averages-1971-2000
- Period of Record Average - 1921-2002
- 2008 Accumulated Water Year
- Max Precip
- Min Precip

Chart showing accumulated precipitation for Del Norte in 2008 Water Year, with months from October to September and accumulated precipitation in inches.
Division 5 – Colorado Springs

Colorado Springs
2008 Water Year

- 30 Year Averages-1971-2000
- Period of Record Average - 1893-2002
- 2008 Water Year Accumulated
- Max Precip
- Min Precip

Accumulated Precipitation (Inches)
Division 5 – Canon City

Canon City
2008 Water Year

- 30 Year Averages-1971-2000
- Period of Record Average - 1906 - 2002
- 2008 Water Year Accumulated

Max Precip
Min Precip

Accumulated Precipitation (Inches)

Monthly Precipitation Data:
- OCT
- NOV
- DEC
- JAN
- FEB
- MAR
- APR
- MAY
- JUN
- JUL
- AUG
- SEP

Months
Division 5 – Buena Vista

Buena Vista
2008 Water Year

<table>
<thead>
<tr>
<th>30 Year Averages-1971-2000</th>
<th>2008 Water Year Accumulated</th>
<th>Period of Record Average - 1901 - 2002</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Precip</td>
<td>min precip</td>
<td></td>
</tr>
</tbody>
</table>

Accumulated Precipitation (Inches)

Months

Accumulated Precipitation (Inches)

OCT  | NOV  | DEC  | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  |
0     | 0    | 1    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   |
0     | 0    | 1    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   |
0     | 0    | 1    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   |
0     | 0    | 1    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   |
0     | 0    | 1    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   |
0     | 0    | 1    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   |
0     | 0    | 1    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   |
0     | 0    | 1    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   |
0     | 0    | 1    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   |
0     | 0    | 1    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   |
0     | 0    | 1    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   |
0     | 0    | 1    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   |
Division 6 – Rocky Ford

Rocky Ford
2008 Water Year

Accumulated Precipitation (Inches)

- 30 Year Averages-1971-2000
- Period of Record Average - 1889-2002
- 2008 Water Year Accumulated
- Max Precip
- min
Division 7 – Akron

Akron 4E
2008 Water Year

<table>
<thead>
<tr>
<th>30 Year Averages-1971-2000</th>
<th>Period of Record Average - 1906 - 2002</th>
<th>2008 Water Year Accumulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Precip</td>
<td>Min Precip</td>
<td>Year of Max</td>
</tr>
</tbody>
</table>

Accumulated Precipitation (Inches)
Division 7 – Leroy

Leroy 5SW
2008 Water Year

- 30 Year Averages-1971-2000
- Period of Record Average - 1890-2002
- 2008 Water Year Accumulated
- Max Precip
- Min

Accumulated Precipitation (Inches)

Months

OCT  NOV  DEC  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP
Division 8 – Boulder

Boulder
2008 Water Year

Accumulated Precipitation (inches)

Months

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

Accumulated Precipitation (inches)

2008 Water Year  30 Year Averages-1971-2000  Period of Record Average - 1894-2002  Max Precip  Min Prec
Division 8 – Fort Collins

Fort Collins
2008 Water Year

- 30 Year Averages-1971-2000
- Period of Record Average - 1890 - 2002
- 2008 Water Year
- Max Precip
- Min Precip

Accumulated Precipitation (inches)

Month

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

Period of Record Average - 1890 - 2002

30 Year Averages-1971-2000

2008 Water Year

Max Precip

Min Precip
Division 8 – Cheesman

Cheesman
2008 Water Year

- 30 Year Averages-1971-2000
- Period of Record Average - 1904 - 2002
- 2008 Water Year
- Max Precip
- Min

Accumulated Precipitation (Inches)

Months

OCT, NOV, DEC, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP
Water Year 2008 (Oct 07-Jan 08) Prism
24 Month SPI
48 Month SPI
Fraction of Colorado in Drought
Based on 48 month SPI
(1890 - January 2008)
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

http://drought.unl.edu/dm

Released Thursday, January 17, 2008
Author: Rich Tinker, Climate Prediction Center, NOAA
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

http://drought.unl.edu/dm

Released Thursday, February 14, 2008
Authors: Jay Lawrimore/Liz Love-Brotak, NOAA/NESDIS/NCDC
Data and Power Point Presentations available for downloading
http://ccc.atmos.colostate.edu
– click on “Drought”
– then click on “Presentations”