

Useful Weather Links

Nolan Doesken
Odie Bliss
Colorado Climate Center

Presented at Professional
Development Institute 2008
January 9, 2008, Colorado
State University



Colorado Climate Center

- <http://ccc.atmos.colostate.edu/>

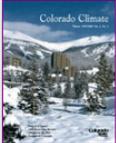
Colorado Climate Center

Colorado State University
Knowledge to Go Places

Quick Links: [Home](#) | [General Information](#) | [Past President's Corner](#) | [Contact Us](#) | [Staff](#) | [Policy Statement](#) | [AASC](#) | [Search](#) | [Site Map](#)

- Fort Collins Weather
- Climate of Colorado
- Data Access
- Requests for Data
- Drought Resources
- Major Weather Events
- Climate Magazine
- News Releases
- Publications
- For Fun: Q & A

- CoAgMet (Colorado Agricultural Meteorological Network)
- CoCoRaHS (Community Collaborative Rain, Hail and Snow Network)
- Private Access Area
- Snow Sensor Study



Magazine is on hold. [Click here for past issues!](#)

Welcome to the Colorado Climate Center!

The Colorado Climate Center is part of the [Department of Atmospheric Science](#) at [Colorado State University](#). Our goal is to assist the state of Colorado in monitoring climate over time scales of weeks to years. We also recognize that climate involves complex interactions between the atmosphere, the oceans, continental glaciers, and the land. Vegetation processes are an important component of the climate system. This service should contribute to a reduction in the state's vulnerability to climate variability and change.

We provide links to regional climate centers and to the National Climate Data Center where detailed climate information is provided. Other valuable climate links are also listed as additional data resources.

Our publication, [Colorado Climate](#), provides articles to the public on a variety of topics. Past issues are available online as electronically accessible files.

Colorado's climate is fascinating, and we hope you learn more concerning this subject through our web site

What's New

 - You need Acrobat reader to view the links below.

- Available as pdf (July 2007): R.A. Pielke, K. Wolter, O. Bliss, N. Doesken, and B. McNoldy: [July 2005 Denver heat wave: How unusual was it?](#) National Weather Digest, Vol. 31, #1, pp 24-35.
- Available as pdf (June 2007): Pielke, et al: [Documentation of uncertainties and biases associated with surface temperature measurement sites for climate change assessment](#). Bull. Amer. Meteor. Soc., 88:6, 913-928.
- Available as pdf (Fall 2005): W.A. Brazenec: [Evaluation of ultrasonic snow depth sensors for automated surface observing systems \(ASOS\)](#). Dept of Forest, Rangeland, and Watershed Stewardship, M.S. Thesis, Colorado State University, Fort Collins, CO, 134 pp.
- Available as pdf (May 2005): C.A. Davey and R.A. Pielke, Sr., [Microclimate Exposures of Surface-Based Weather Stations](#), BAMS, April 2005.
- Press release, May 9, 2005: [All hail the backyard weather watchers](#). Patrick O'Driscoll, USA Today.
- Available as pdf (March 2005): [A Review of the 2004 Water Year in Colorado](#) by N. Doesken and M. Gillespie, Hydrology Days 2005.

Current Fort Collins Weather

34°F as of 3:20 PM on Jan 8, 2008

Relative Humidity: 46.3%
Dew Point: 15.3°F
Pressure: 24.93 inches
Wind: From the E at 3.1 mph

[Graphs](#) | [Recent Measurements](#)

Latest Colorado Climate Center News

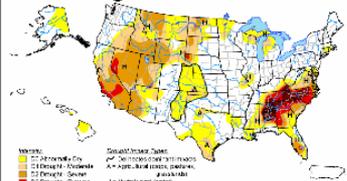
 Annual AASC meeting was held July 17-19, 2007, Coeur d'Alene, Idaho. Click [here](#) for more information.

Congratulations to Nolan Doesken recipient of [NOAA Environmental Hero Award](#), April 2007.

[National Weather Service](#) honors 60-year observer, [Layton Munson](#) of Sedgwick, with Landsberg award on Sept 19, 2007.

Drought Monitor

January 1, 2008



U.S. Drought Monitor

Legend:
Green: No Drought
Yellow: Drought Watch
Orange: Moderate Drought
Red: Severe Drought
Dark Red: Extreme Drought

Scale:
0-100 Miles
0-100 Kilometers

Community Collaborative Rain, Hail and Snow (CoCoRaHS) Network

- <http://www.cocorahs.org/>

The screenshot shows the CoCoRaHS website homepage. At the top left is the CoCoRaHS logo, a stylized blue and green raindrop. To its right, the text reads "COMMUNITY COLLABORATIVE RAIN, HAIL & SNOW NETWORK" and the slogan "Because every drop counts". Below this is a navigation bar with links for "Home | States | View Data | Maps" and "My Data Entry | Login".

The main content area features a "Welcome to CoCoRaHS" heading and a map of the United States. The map uses a color key to indicate the status of each state: solid green for CoCoRaHS member states and blue and white diagonal stripes for states that joined during 2008. The green states include WA, OR, NV, CA, MT, WY, CO, NM, TX, AK, HI, ND, SD, NE, KS, MN, IA, MO, IL, IN, OH, WV, VA, NC, TN, KY, AL, GA, SC, and FL. The striped states include WA, OR, NV, CA, UT, AZ, NM, TX, LA, MS, AL, GA, SC, and FL. Other states shown in white are ID, MT, ND, MN, WI, MI, NY, NH, MA, RI, CT, NJ, DE, MD, VT, and ME.

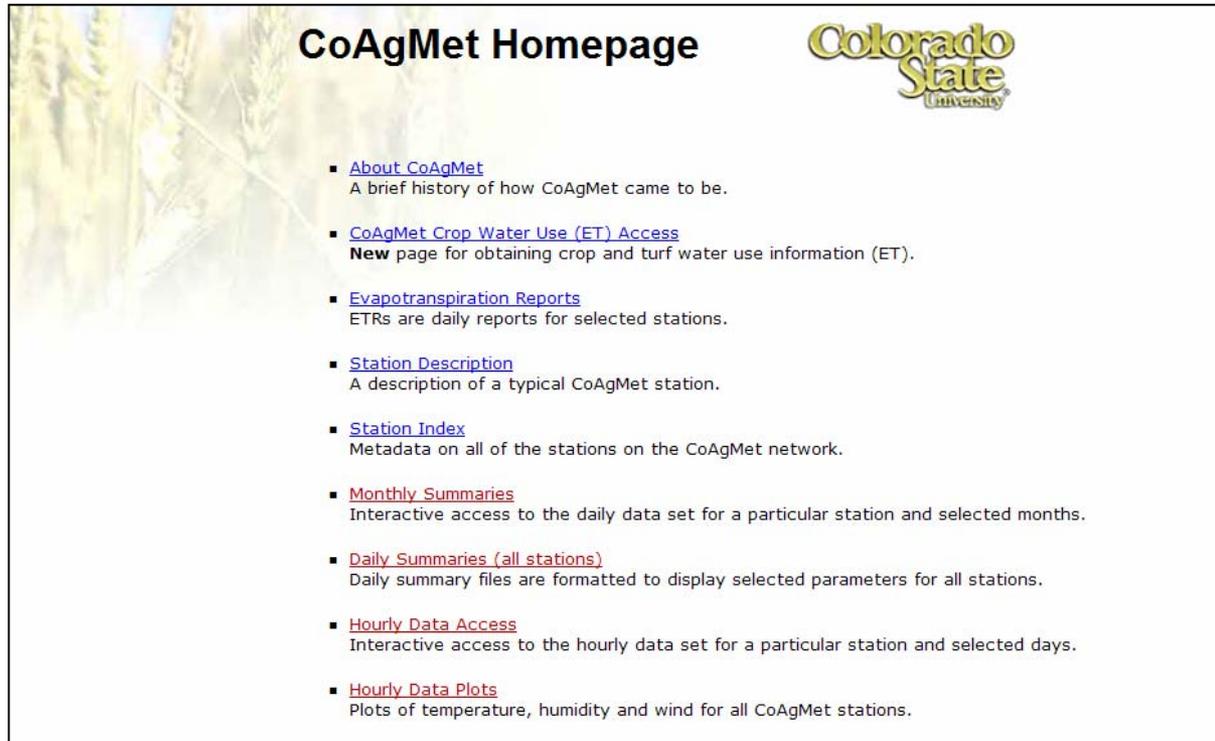
On the left side, there is a "Main Menu" with links to Home, About Us, Join Cocorahs, Contact Us, and Donate. Below that is a "Resources" section with links to FAQ / Help, Education, Training Slide-Show(EMB), Volunteer Coordinators, Hail Pad Distribution/Drop-off, Help Needed, and Printable Forms. At the bottom left, there are links to the CoCoRaHS Store, Calendar, and The Catch.

On the right side, there is a circular button that says "Join CoCoRaHS Click Here" and a rectangular button that says "TRAINING SLIDE-SHOW". At the bottom right, there is a blue button that says "Things to know about...".

CoAgMet (Colorado Agricultural Meteorological Network)

- <http://www.coagmet.com>

Weather data for agriculture

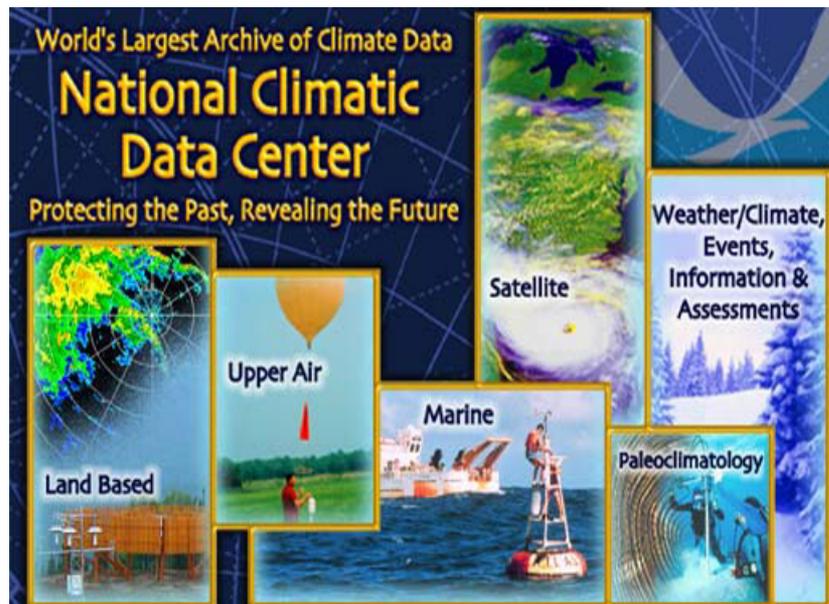
A screenshot of the CoAgMet homepage. The page features a background image of a field with a weather station. The title "CoAgMet Homepage" is at the top left, and the Colorado State University logo is at the top right. A list of links and descriptions is provided in the center.

CoAgMet Homepage 

- [About CoAgMet](#)
A brief history of how CoAgMet came to be.
- [CoAgMet Crop Water Use \(ET\) Access](#)
New page for obtaining crop and turf water use information (ET).
- [Evapotranspiration Reports](#)
ETRs are daily reports for selected stations.
- [Station Description](#)
A description of a typical CoAgMet station.
- [Station Index](#)
Metadata on all of the stations on the CoAgMet network.
- [Monthly Summaries](#)
Interactive access to the daily data set for a particular station and selected months.
- [Daily Summaries \(all stations\)](#)
Daily summary files are formatted to display selected parameters for all stations.
- [Hourly Data Access](#)
Interactive access to the hourly data set for a particular station and selected days.
- [Hourly Data Plots](#)
Plots of temperature, humidity and wind for all CoAgMet stations.

National Climatic Data Center (NCDC)

- <http://www.ncdc.noaa.gov/oa/ncdc.html>
Main Page
- <http://lwf.ncdc.noaa.gov/oa/climate/climatedata.html>
Get/View Climate Data (free to .edu users)



NCDC's Image and Publications

<http://www7.ncdc.noaa.gov/IPS/>



NOAA Satellite and Information Service
National Environmental Satellite, Data, and Information Service (NESDIS)



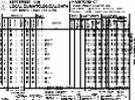
National Climatic Data Center
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

NCDC - Image and Publications System

Local Climatological Data



Local Climatological Data (LCD) contains summaries from major airport weather stations that include a daily account of temperature extremes, degree days, precipitation amounts and winds. Also included are the hourly precipitation amounts and abbreviated 3-hourly weather observations. An online annual subscription is available which includes access to all back issues that are online. This is the final quality controlled copy and generally has a one to two month time lag.



An online annual subscription is available to these data which includes access to all back issues that are online. Your subscription will include both a link to the publication (in PDF format) along with a link to an ASCII file of text data that may be read into a database or used in a spreadsheet.

Climatological Data



Climatological Data (CD) monthly publication/annual contains station daily maximum and minimum temperatures and precipitation amounts. Some stations provide daily snowfall, snow depth, evaporation, and soil temperature data. Each issue also contains monthly summaries for heating and cooling degree days (65 degrees F base). The July issue also contains monthly heating degree days and snow data for the preceding July through June. The annual issue contains monthly and annual averages of temperature, precipitation amounts, temperature extremes, freeze data, soil temperatures, evaporation, and a recap of monthly cooling degree days. This is the final quality controlled copy and generally has a four to six month time lag. Over 8000 stations are active nationwide.

Hourly Precipitation Data



Hourly Precipitation Data (HPD) publication contains hourly precipitation amounts obtained from recording rain gages located at National Weather Service, Federal Aviation Administration, and cooperative observer stations. Published data are displayed in inches to tenths or inches to hundredths at local standard time. HPD includes maximum precipitation for nine (9) time periods from 15 minutes to 24 hours, for selected stations. It includes an hourly account of precipitation amounts for many locations within a chosen state. This is the final quality controlled copy and generally has a four to six month time lag. An online subscription to this publication is not currently available however, the

NCDC Storm Data Events

- <http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwEvent~Storms>

NOAA Satellite and Information Service
National Environmental Satellite, Data, and Information Service (NESDIS)

National Climatic Data Center
U.S. Department of Commerce

DOC > NOAA > NESDIS > NCDC

Search Field: Search NCDC

Storm Events

Select State

Select Desired State or *All

State: Colorado

Continue

Search the NCDC Storm Event database to find various types of storms recorded in your county or use other selection criteria as desired. The database currently contains:

The Storm Events Database contains data from the following sources:

- All Weather Events from 1993 - 1995, as entered into Storm Data. (Except 6/93 - 7/93, which is missing) (NO Latitude/Longitude)
- All Weather Events from 1996 - Current, as entered into Storm Data. (Including Latitude/Longitude)

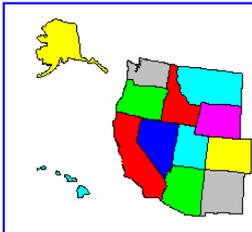
Plus additional data from the Storm Prediction Center; Including

- Tornadoes 1950-1992
- Thunderstorm Winds 1955-1992
- Hail 1955-1992

The Storm Events database does not search by National Weather Service Forecast Zone number. However, if the name of the county is contained in the zone name, then you will get results for queries of large scale events by county name. This is not the case for states with very large forecast zones, such as: Alaska, Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Utah, Washington and Wyoming. For large scale events in those states, such as flooding, winter storms, hurricanes and extreme temperatures, it is easier to search by state and/or date instead of by county name. [List of NWS Forecast Zones by](#)

Western Regional Climate Center (WRCC)

- <http://www.wrcc.dri.edu>



Western Regional Climate Center

Historical Climate Information

Western U.S. Historical Summaries; Precipitation Maps; Station Inventories; Wind and Evaporation Data; Coastal Water Table; State Narratives; Station Descriptions; Anomalies.

WRCC Projects

El Nino & La Nina; CEMP; WET; BLM RAWs; Yucca Mtn; Current Weather Plots; NSOE; Snotel; CoCoRaHS; California Climate Data Archive; Photo Gallery; Webcam; WxCoder.

Educational and Travel Pages

Terms; More about Weather and Climate - for teachers and kids! Climate for resorts and Nat'l parks around the West.

Current Observations, Forecasts and Monitoring

Nat'l Weather Service Current and Past 24-hour Reports; Snotel; Climate Prediction Center Outlooks; Satellite and Radar Imagery; SPI; Anomalies; Divisional Climate Plots; ACIS; CoCoRaHS.

More Climate Information

Solar Radiation; Sunrise/Sunset Information (USNO); WGA data and information; Nat'l Climatic Data Center; Climate Prediction Center; CEFA; Nat'l Drought Mitigation Center.

About the WRCC

Staff; Funding; Overview of WRCC; DRI Home Page; INTERNAL.

WRCC Supports a Three-Partner National Climate Services Program - the Partners Include:
[National Climatic Data Center](#) (NCDC), [Regional Climate Centers](#) (RCC's), and [State Climate Offices](#).



Address:
WRCC
2215 Raggio Parkway
Reno, NV 89512
(775) 674-7010 - phone
(775) 674-7016 - fax

Hours:
Mon - Thurs 8-4pm



WRCC's Climate Summaries for Colorado

<http://www.wrcc.dri.edu/summary/Climsmco.html>

- Climate summaries for Colorado Cooperative Observation Locations from the Western Regional Climate Center (WRCC)

Coop sites

Arizona

Batavia
Dunshofo
Kismet
Mojave Valley
Tee-Nee-Pee

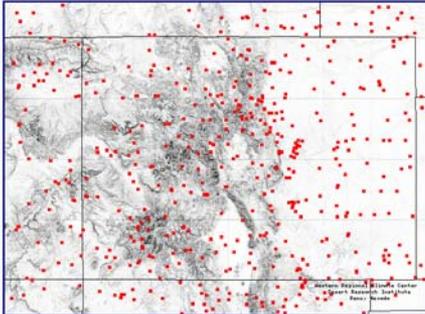
Colorado

Amelia 1 Se
Akron 4 E
Akron 1 N
Alamosa W. & A
Alamosa, Leder
Alamosa, I. N
Alamosa
Amp
Amp
Antero Reservoir
Arapaho 14 N
Arapahoe
Archea
Arosa 6 Ne
Arriba
Aspen
Aspen 1 S
Aspen
Ayer Ranch
Baile
Basin
Berthoud Pass
Blanca
Blue Mesa Lake
Bond
Boulder Reservoir

Select a site by placing mouse cursor over a site. Site name will appear in location box below the map if browser supports javascript 1.1. Click site to options.

Large boxes indicate stations that had reported during the month when these maps were last generated. Small boxes indicate inactive or removed. Map last generated on 04/11/06.

If a location has multiple stations or more than one platform in the near vicinity, overlapping boxes may create difficulty when selecting from the map. See to the left in such cases.



Western Regional Climate Center, wrcc@dri.edu

Back to:

[State Map](#) [Western U.S. map](#) [Home Page](#)

NOTE:
To print data frame (right side), click on right frame before printing.

1971 - 2000

- [Daily Temp. & Precip.](#)
- [Daily Tabular data \(~23 KB\)](#)
- [Monthly Tabular data \(~1 KB\)](#)
- [NCDC 1971-2000 Normals \(~3 KB\)](#)

1961 - 1990

- [Daily Temp. & Precip.](#)
- [Daily Tabular data \(~23 KB\)](#)
- [Monthly Tabular data \(~1 KB\)](#)
- [NCDC 1961-1990 Normals \(~3 KB\)](#)

Period of Record

- [Station Metadata](#)
- [Station Metadata Graphics](#)

General Climate Summary Tables

- [Temperature](#)
- [Precipitation](#)
- [Heating Degree Days](#)
- [Cooling Degree Days](#)

FORT COLLINS, COLORADO (053005)

Period of Record Monthly Climate Summary

Period of Record : 1/ 1/1900 to 6/30/2007

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	41.2	44.3	51.1	60.4	69.0	79.2	85.2	83.3	75.2	64.2	50.9	42.7	62.2
Average Min. Temperature (F)	13.6	17.3	24.1	33.1	42.1	50.4	56.0	54.2	45.1	34.2	23.1	15.7	34.1
Average Total Precipitation (in.)	0.37	0.48	1.20	1.98	2.75	1.80	1.55	1.42	1.30	1.12	0.61	0.48	15.06
Average Total SnowFall (in.)	6.2	6.8	10.3	6.4	1.1	0.0	0.0	0.0	0.5	2.9	6.7	6.5	47.4
Average Snow Depth (in.)	1	1	1	0	0	0	0	0	0	0	1	1	0

Percent of possible observations for period of record.
 Max. Temp.: 99.6% Min. Temp.: 99.6% Precipitation: 99.6% Snowfall: 99.5% Snow Depth: 50.1%
 Check [Station Metadata](#) or [Metadata graphics](#) for more detail about data completeness.

Western Regional Climate Center, wrcc@dri.edu

High Plains Regional Climate Center (HPRCC) Main page

- <http://www.hprcc.unl.edu/index.php>

High Plains Regional Climate Center

Home About US Services Climate Data Climate Products Publications

Welcome

Welcome to the High Plains Regional Climate Center

Popular Links

- Current Climate Summary Maps
- Station Search
- CLIMOD
- Classic Online
- Historical Climate Data Summaries

Find nearby observation stations: Lincoln, NE submit 7-Day Total Precipitation View Map

Current Projects

- Nebraska Soil Moisture
- Wind Energy
- Evapotranspiration

2007: A Top Ten Warm Year for U.S. and Globe

The year 2007 is on pace to become one of the 10 warmest years for the contiguous U.S., since national records began in 1895, according to preliminary data from NOAA's National Climatic Data Center in Asheville, N.C. ...More

Source/Author: National Oceanic and Atmospheric Administration (NOAA) 12/13/07

November 2007 Climate Summary

Dry conditions were present throughout the entire High Plains region for the month of November 2007. This is a continuation of dry conditions for the western High Plains, but is in stark contrast to the wet early October for the eastern High Plains. This comes as a result of west to northwest flow pattern persisting after the pattern shift that occurred in late October. ...More

Source/Author: Christy Carlson - Regional Climatologist 12/10/07

October 2007 is Ninth Warmest on Record for Contiguous United States

Global Temperature Sixth Warmest on Record, as La Niña Continues

Temperatures in October 2007 were the ninth warmest on record for the contiguous U.S., and especially warm in the Northeast, where five states had their warmest October on record. The January-October 2007 U.S. temperature was the ninth warmest since national records began in 1895, according to scientists at NOAA's National Climatic Data Center in Asheville, N.C. The global surface temperature was sixth warmest on record for October. ...More

Source/Author: National Oceanic and Atmospheric Administration 11/16/07

Regional Climate Summary Newsletters Now Online

Reports Highlight Climate Information from the Region on a Monthly Basis

Now available online are climate summary newsletters highlighting climate events and current conditions in the High Plains region on a monthly basis. Highlights include severe weather events for the month, drought and precipitation summaries, and station

BLM / Forest Service Remote Automated Weather Stations – RAWs

- <http://www.fs.fed.us/raws/>

REMOTE AUTOMATED WEATHER STATIONS:

There are nearly 2,200 interagency Remote Automated Weather Stations (RAWs) strategically located throughout the United States. These stations monitor the weather and provide weather data that assists land management agencies with a variety of projects such as monitoring air quality, rating fire danger, and providing information for research applications.

Most of the stations owned by the wildland fire agencies are placed in locations where they can monitor fire danger. RAWs units collect, store, and forward data to a computer system at the National Interagency Fire Center (NIFC) in Boise, Idaho, via the Geostationary Operational Environmental Satellite (GOES). The GOES is operated by the National Oceanic and Atmospheric Administration (NOAA). These data are automatically forwarded to several other computer systems including the Weather Information Management System (WIMS) and the Western Regional Climate Center (WRCC) in Reno, Nevada.

Fire managers use these data to predict fire behavior and monitor fuels; resource managers use the data to monitor environmental conditions. Locations of RAWs stations can be [searched online](#) courtesy of the Western Regional Climate Center.

For more information about the interagency RAWs program, contact USFS Program Manager [Linnea Keating](#) or BLM Remote Sensing Fire Weather Support Unit Manager [Herb Arnold](#).

DISCLAIMER & PRIVACY NOTICE

Historic RAWS data from the Western Region Climate Center

- <http://www.raws.dri.edu/>

RAWS USA Climate Archive

Station Maps and Data | Summaries | Photos | Documents | Related Links | Specials

Best viewed with 800 X 600 or greater screen resolution.

State Selection Map



NOTE:
The following pages are still under construction.
Stations and historical data are still being added to the archives.
Several products are also being developed and will be added as they are completed.

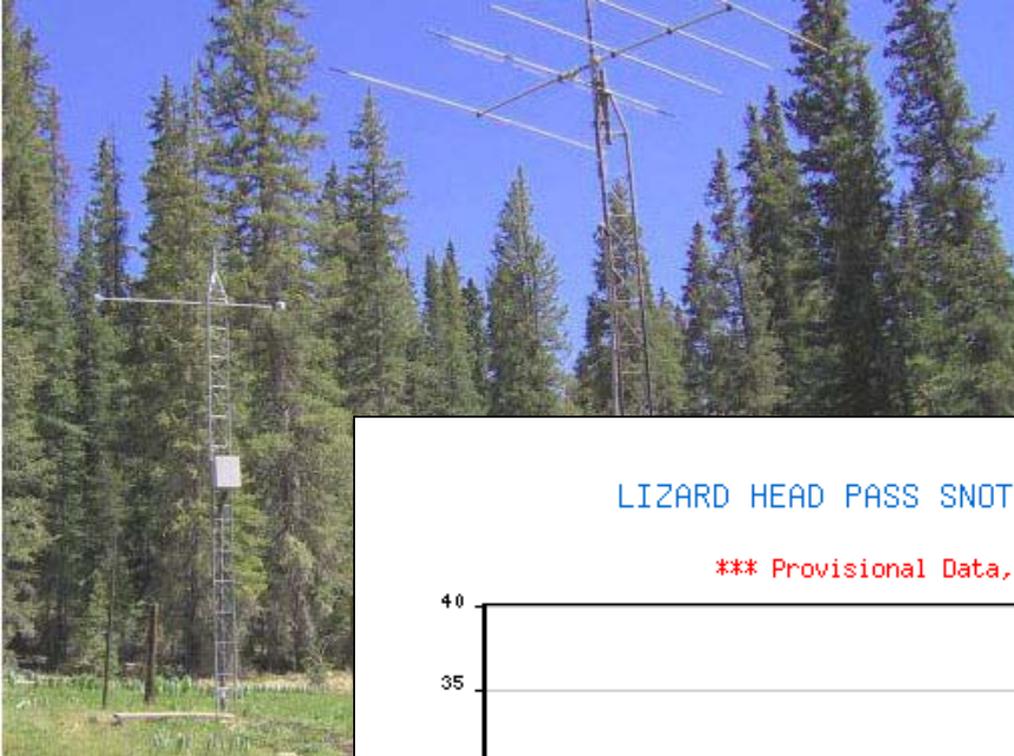
USDA National Resource Conservation Service (NRCS) – snow surveys, reservoir storage, streamflow forecasts, water supply forecasts

- <http://www.co.nrcs.usda.gov/snow/index.html>

The screenshot shows the website for the NRCS Colorado Snow Survey Program. The header includes the NRCS logo and the text "United States Department of Agriculture Natural Resources Conservation Service" and "Colorado". A navigation menu contains links for "Colorado Home", "About Us", "News", "Programs", "Technical Resources", "Partnerships", and "Contact Us".

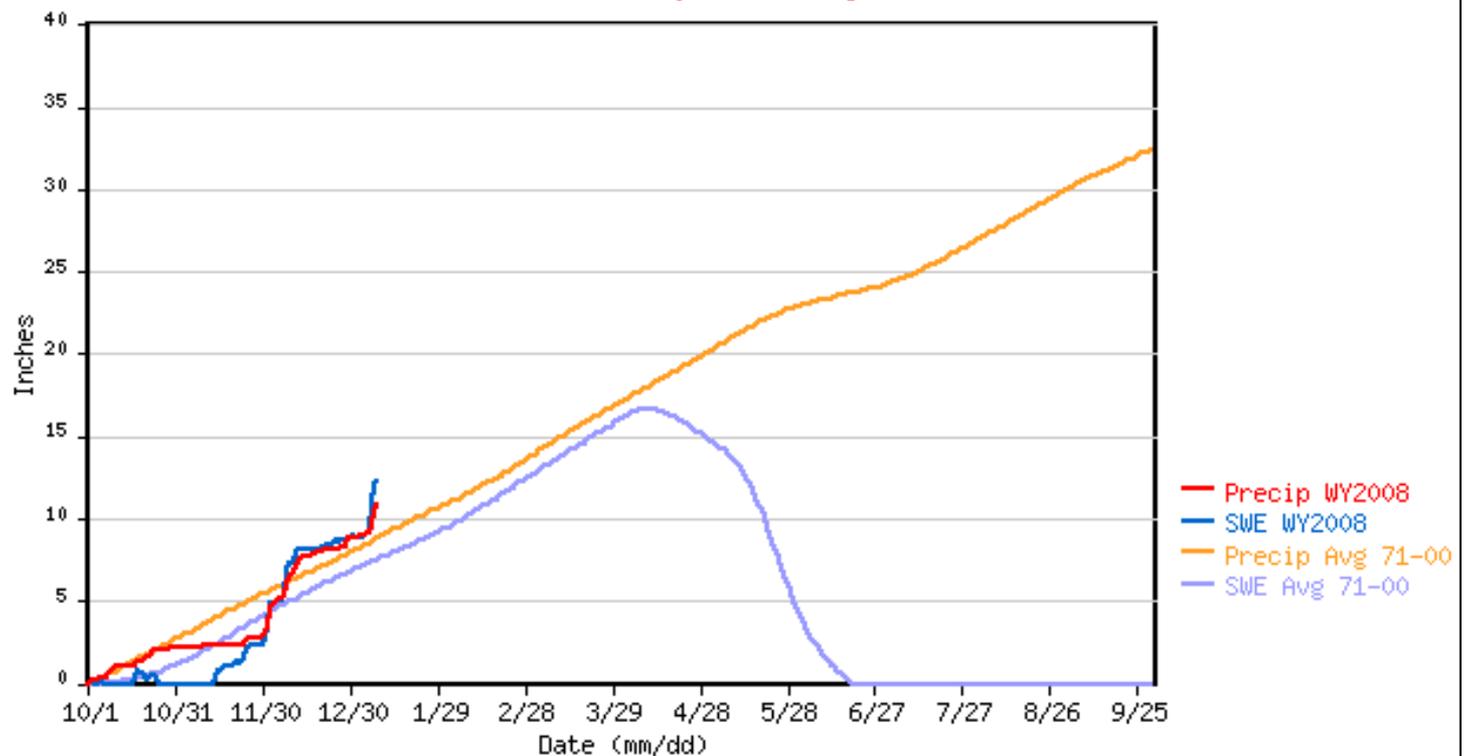
The main content area is titled "Colorado Snow Survey Program" and features a search box on the left with a dropdown menu set to "Colorado" and a "GO" button. Below the search box is a "Programs" section with a "Back to Programs" link. The "Colorado Snow Survey Program" section includes a list of links: "Home", "About Snow Surveys", "Snow", "Precipitation", "Reservoir Storage", "Water Supply Forecasts", "Miscellaneous", "Related Links", and "Contact Snow Survey".

The "Snow Survey Data, Products, and Reports" section displays five thumbnail images with text overlays: "Snow" (a snowy landscape), "Precipitation" (a mountain landscape), "Reservoir Storage" (a reservoir), "Water Supply Forecasts" (a stream), and "Miscellaneous" (a close-up of water). A paragraph of text explains that the program provides mountain snowpack data and streamflow forecasts for the western United States, with common applications including water supply management, flood control, climate modeling, recreation, and conservation planning. A link for "...More About Snow Surveys" is provided.



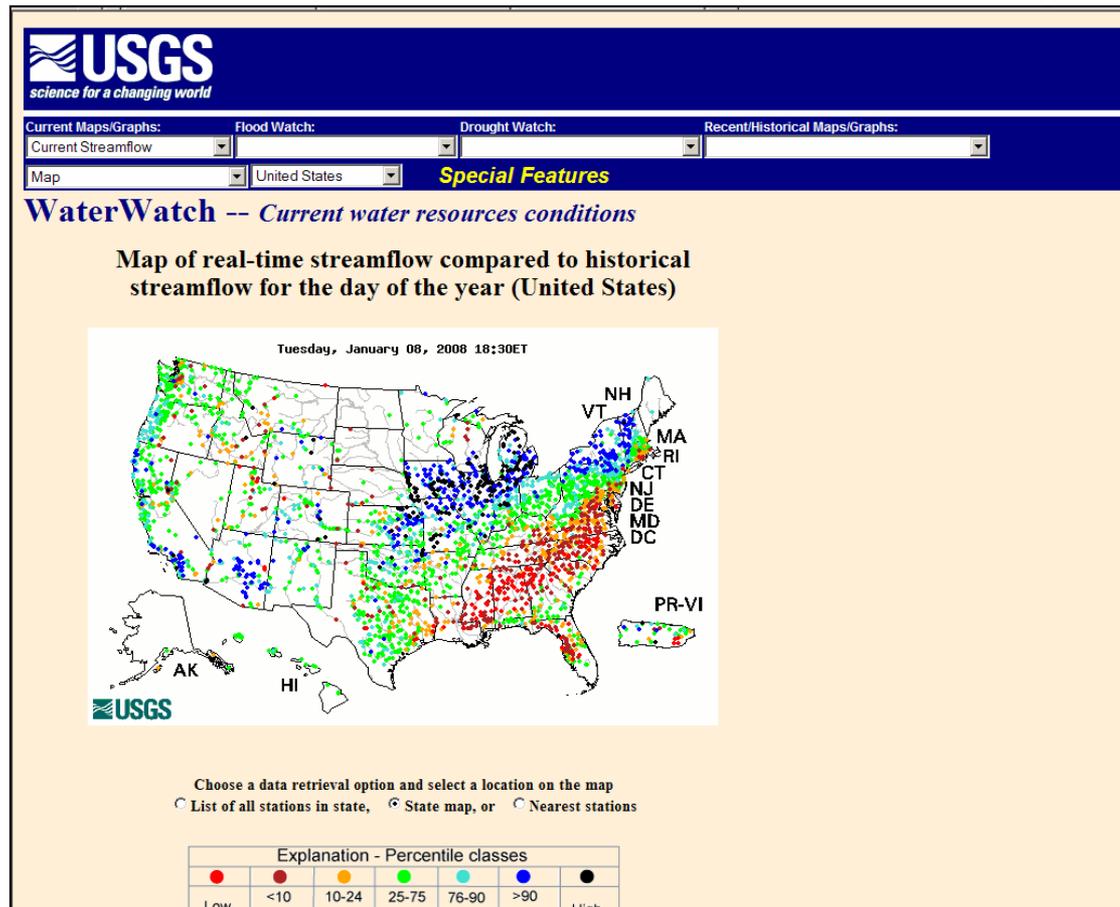
LIZARD HEAD PASS SNOTEL for Water Year 2008

*** Provisional Data, Subject to Change ***



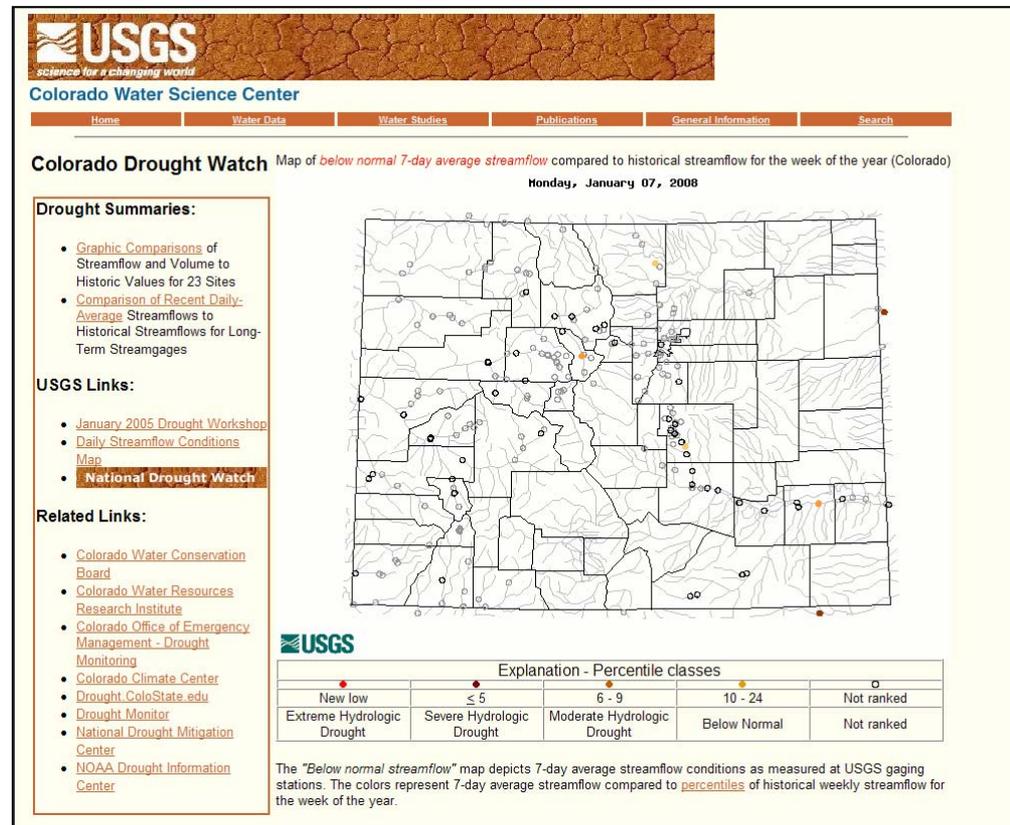
USGS River Gauge Network

- <http://water.usgs.gov/waterwatch/>



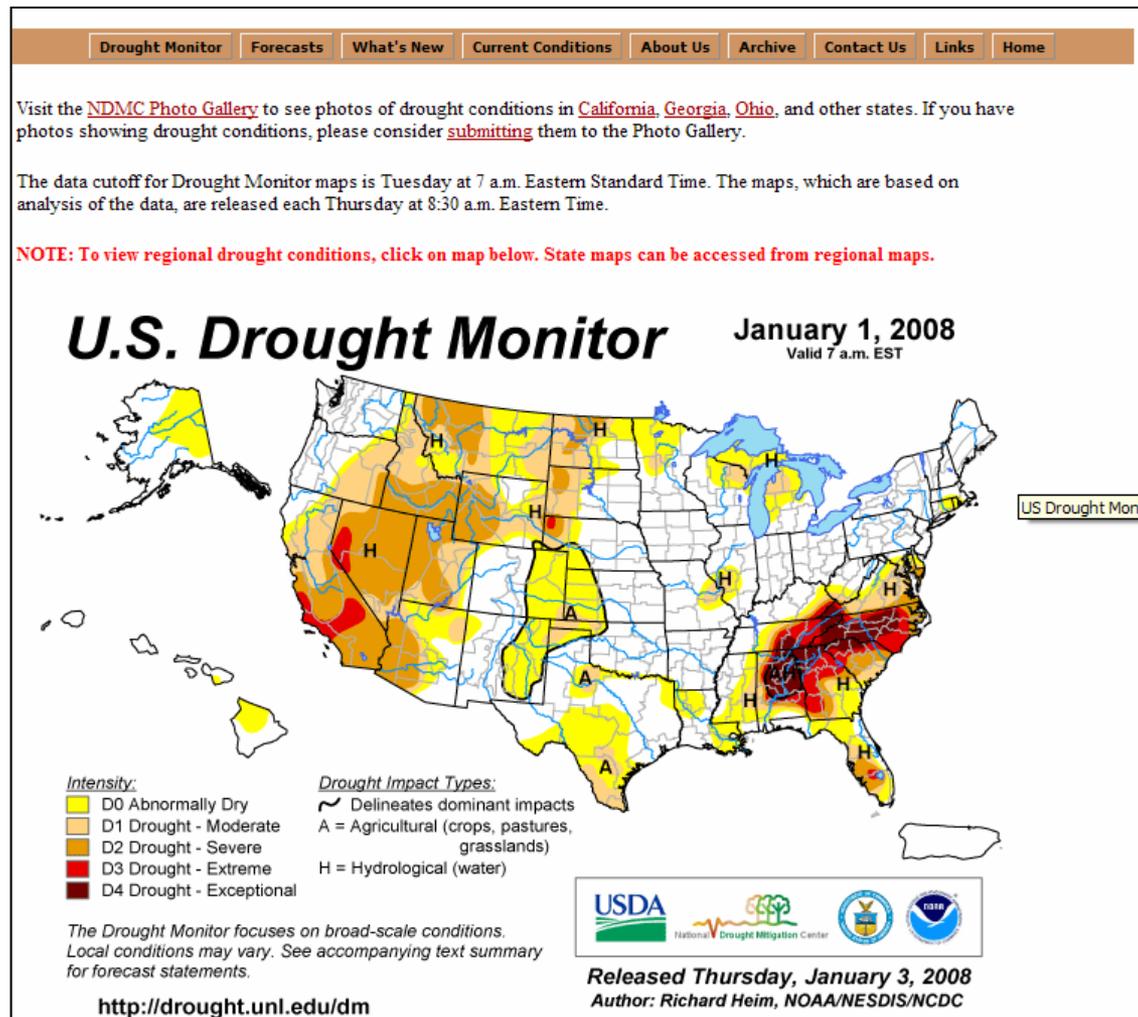
U.S. Geological Survey (USGS) Colorado Drought Watch

- <http://co.water.usgs.gov/drought/index.html>



National Drought Monitor

- <http://drought.unl.edu/dm/monitor.html/>



Colorado Highway Weather and Road Conditions (Colorado Department of Transportation CDOT)

- <http://cotrip.org/>

Travel Information <ul style="list-style-type: none"> • Road Conditions • Alerts & Restrictions • Lane Closures • UPDATE Oversize/Overweight Restrictions • Winter Driving • Construction • Rest Areas • Related links • Frequently Asked Questions • Site help • Disclaimer • Neighboring States • NEW Park n Rides in Colorado (.pdf) • NEW Chain Regulations - Commercial Vehicles 	Variable Message Signs <ul style="list-style-type: none"> • Statewide • I-70 Idaho Springs to Vail • I-25 and I-70 Metro Denver • I-25 Co Springs to Pueblo 	Weather <ul style="list-style-type: none"> • National Weather Service Links • Satellite image • More Satellite images • Air Pollution Advisory
	Traffic Cameras <ul style="list-style-type: none"> • Statewide • I-70 Idaho Springs to Vail • I-25 and I-70 Metro Denver • I-25 Co Springs to Pueblo 	Weather Stations <ul style="list-style-type: none"> • Statewide • I-70 Idaho Springs to Vail • I-25 and I-70 Metro Denver • I-25 Co Springs to Pueblo
Travel Times and Speed Maps <ul style="list-style-type: none"> • Metro Denver Speed Map • I-70 Estimated Travel Times 	Highway Advisory Radios <ul style="list-style-type: none"> • Statewide 	
Transportation <ul style="list-style-type: none"> • Commuter Choices • Bicycle / Pedestrian • Transit provider 	Airports <ul style="list-style-type: none"> • Denver International • Colo. Springs • Other Airports (Map) 	ITS Newsletter and Information <ul style="list-style-type: none"> • Intelligent Transportation Systems • ITS Technical Information

[Back to Top](#)
 E-mail: CoTrip.Org.Webmaster

Urban Drainage and Flood Control District (UDFCD) Alert Network

- <http://alert.udfcd.org/>



ALERT System

Real-Time Flood Detection & Current Weather Conditions

Heavy Precipitation Outlook & Flood Predictions

[Disclaimer](#) [Maps](#) [Bulletin Board](#)

Data Retrieval & Current Information

- Real-time [ALERT Maps](#) 
 - [SVG Demo Page](#)
 - [Satellite-Monitored Streamflow](#)
- **Alarms:** [Past 24-hours Active Details](#)
 - [select a date & time period](#)
- Determine the current [System Status](#)
- Retrieve data from past events
 - [Rainfall and Other Maps](#)
 - [Water Level Templates](#)
 - [Statistical Summaries](#)
 - [Record High Water Measurements](#)
 - [Single Device Data](#)
- Need help? [Instructions](#) [Station Locations](#)
- Report a problem [E-MAIL](#)

Links

- [Local Radar](#)
- [NCAR/RAP](#)
- [FSL MADIS](#)
- [MesoWest](#)
- [Fire Weather](#)
- [CoCoRaHS](#)
- [CWCB Flood Outlook](#)
- [NRCS Snow Survey](#)
- [more...](#)



1024x768 screen resolution recommended

[ALERT Organizations](#) [Flood Safety Information \(Boulder\)](#) [Colorado Severe Weather Awareness Week](#)
[District Home Page](#)

NOAA Meteorological Assimilation and Data Ingest System (MADIS)

- <http://madis.noaa.gov/>

MADIS Surface Data (access from non-NOAA)

If you believe you are accessing this page from a NOAA computer but the message above says non-NOAA, follow this link to [we see you as...](#)

Attention: The National Oceanic and Atmospheric Administration does not own or operate mesonet sites and is not responsible for site maintenance or data accuracy. Use this data at your own risk.

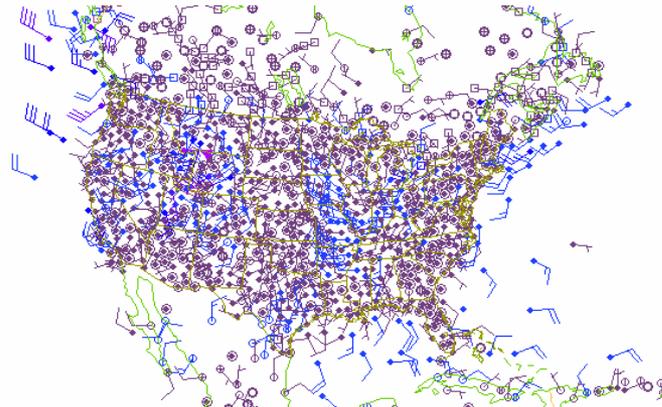
Data files of the observations plotted may be obtained from FSLs
[Meteorological Assimilation Data Ingest System \(MADIS\)](#)

Latest change is 26-April-2007.

See the [change details](#) page (in a new window) for further information.

Usage instructions below the display

Select Data Show/Hide Data Show Special Close Histories
Color by: Temperature Wind Speed Wind Gust Barb scale: 5
Un-zoom Default World Overlays Overview



NOAA / FSL

08-Jan-08 2210 to 09-Jan-08 0005 UTC, 14863 obs (10063 in range, 1034 shown)

Temp. range: UNLIMITED

Wind range: UNLIMITED

min spc (pix): 10



National Weather Service (NWS)

- <http://www.weather.gov/>

The screenshot displays the National Weather Service website interface. At the top, the NOAA logo and the text "National Oceanic and Atmospheric Administration's National Weather Service" are visible. A search bar and navigation links for "NWS" and "All NOAA" are present. The main content area features a news article titled "...Sunspot is Harbinger of New Solar Cycle..." with a sub-headline "A new 11-year cycle of heightened solar activity is on its way, bringing with it increased risks for power grids, critical military, civilian and airline communications, GPS signals, and even cell phones and ATM transactions. Details...". Below the article is a map of the United States showing various weather warnings and advisories. The map is color-coded according to a legend provided below it. The legend includes categories such as Tornado Warning, Flood Statement, Wind Advisory, Severe Thunderstorm Warning, Snow And Blowing Snow Advisory, Air Quality Alert, Flash Flood Warning, Winter Weather Advisory, Low Water Advisory, Civil Emergency Message, Wind Chill Advisory, Local Area Emergency, Blizzard Warning, Flood Advisory, Winter Storm Watch, Heavy Snow Warning, Heavy Snow Advisory, Flood Watch, Heavy Storm Warning, Blowing Snow Advisory, High Wind Watch, High Wind Warning, Snow Advisory, Special Weather Statement, Avalanche Warning, Heavy Freezing Spray Warning, Marine Weather Statement, Flood Warning, Small Craft Advisory, Hazardous Weather Outlook, Tornado Watch, Brisk Wind Advisory, Severe Weather Statement, Hazardous Seas Warning, Dense Fog Advisory, Gale Warning, and Lake Wind Advisory. The map shows a mix of these warnings across the country, with a concentration of severe weather warnings in the central and eastern US.

National Weather Service – Boulder, Colorado, Office

- <http://www.weather.gov/bou/>

Forecasts, observations, watches, warnings issued by NWS WSFO--Boulder.

NOAA's National Weather Service Weather Forecast Office
Denver/Boulder, CO

Home Site Map News Organization

Local forecast by
"City, St" or Zip Code
City, St Go

Current Hazards
Watches / Warnings
Outlooks
U. S. Hazards
Hurricane Info
Colorado Watches
About Lightning
Spotter Program
Submit Storm Report
Severe WX Page
Winter Hazards

Current Conditions
Rivers & Lakes AHPs
Precip Estimate
Snow Cover
Current Weather
Pressure Data
World WX Conditions
Temp/Moisture Data
Colorado WX Reports
Weather Maps
Interactive WX Net
Radar Imagery
Local Radar
Nationwide
Forecasts
Activity Planner
Local Area

Top News of the Day
Weather Story
Remnants Of Pacific Winter Storm System Brings Light Snow To Front Range
Last Month Of 2007...Check December 2007 Climatological Summary
Denver's 2007 Annual Climatological Summary

Click on the map below for the latest forecast.

Read watches, warnings & advisories
Zoom Out

Winter Storm Warning
Avalanche Warning
Snow And Blowing
Snow Advisory
Snow Advisory
High Wind Watch
Hazardous Weather Outlook
Short Term Forecast

Latest Conditions in Denver International Airport, CO Choose Your Front Page City

Jan 8
4:53 pm 32°F
Mostly Cloudy (0°C)

Select A City:

"Serving Northeastern and North Central Colorado"

NWS Forecast Offices for Colorado

NWS Denver-Boulder

<http://www.weather.gov/bou/>

NWS Pueblo

<http://www.weather.gov/pub/>

NWS Grand Junction

<http://www.weather.gov/gjt>

NWS Goodland, Kansas

<http://www.weather.gov/gld>

NWS NOAA Weather Radio

- <http://www.weather.gov/nwr/>

National Weather Service
www.nws.noaa.gov

NOAA Weather Radio All Hazards

Home News Organization Search NWS All NOAA Go

Español

Station Listings

Coverage Maps

SAME Coding

Receiver Information

Logo Information

All Hazards

Emergency Alert System

Report NWR Outages

Special Needs Info

General Info/News

Frequently Asked Questions

USA.gov

What's New...

Department of Commerce Secretary Carlos Gutierrez Visits Virginia School: "America is Safer When Our Schools Are Safer"

Our Streaming Audio page has more links and now includes NWS offices offering mp3 files of weather radio content.

All Hazards NOAA Weather Radio
NOAA's National Weather Service

MARK TRAIL CHAMPIONS NOAA WEATHER RADIO—
THE VOICE OF THE NATIONAL WEATHER SERVICE

NOAA WEATHER RADIOS SHOULD BE AS COMMON IN HOMES AND PUBLIC PLACES AS SMOKE DETECTORS!

NOAA

Mark Trail image courtesy of North America Syndicate, Inc. World Rights Reserved

Telephone outages).

Known as the "Voice of NOAA's National Weather Service," NWR is provided as a public service by the National Oceanic and Atmospheric Administration (NOAA), part of the Department of Commerce. NWR includes more than 985 transmitters, covering all 50 states, adjacent coastal waters, Puerto Rico, the U.S. Virgin Islands, and the U.S. Pacific Territories. NWR requires a special radio receiver or scanner capable of picking up the signal. Broadcasts are found in the VHF public service band at these seven frequencies (MHz):

162.400 162.425 162.450 162.475 162.500 162.525 162.550

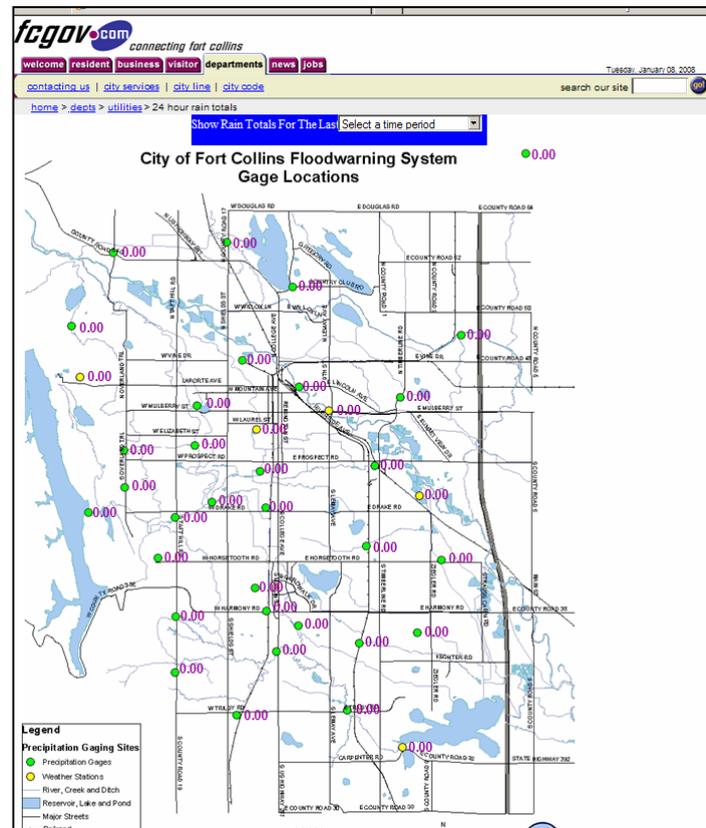
Get ADOBE FLASH PLAYER

Microsoft Word Player: View, print and copy Word documents, even if you don't have Word installed.

City of Fort Collins Alert Network – Rainfall and Streamflow

<http://www.fcgov.com/stormwater/rain.php/>

<http://www.fcgov.com/stormwater/flow.php/>



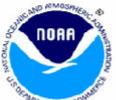
NWS National Hurricane Center

- <http://www.nhc.noaa.gov>

The screenshot shows the National Hurricane Center website homepage. At the top, there is a blue header with the NOAA logo on the left, the text "National Weather Service National Hurricane Center" in the center, and the "weather.gov" logo on the right. Below the header is a navigation bar with links for "Home", "News", "Organization", and a search box with a "Go" button. The main content area is divided into several sections. On the left, there is a vertical sidebar with various links and information, including "Local forecast by 'City, St' or 'ZIP'", "Text-only version", "Get Storm Info", "Marine Forecasts", "Hurricane Awareness", "Hurricane History", "About the NHC", and "Contact Us - Help". The main content area features "Top News of the Day - News Archive" with two bullet points: "NHC releases 2007 seasonal summary - NOAA also releases seasonal report" and "Karen upgraded to hurricane in post-storm analysis...view full report (pdf)". Below this is a large banner for "Tropical Cyclone & Marine Forecasts & Advisories" with a satellite image background and the text "Updated Wed, 9 Jan 2008 00:22:18 UTC". Underneath the banner are two sections: "Atlantic - Caribbean Sea - Gulf of Mexico" and "Eastern Pacific (out to 140°W)". Each section includes a "TAFB Tropical Weather Discussion - Forecasts and Analyses" link and a box stating "There are no tropical cyclones at this time." Below these sections are two boxes: "Hurricane Preparedness" with a "HURRICANE PREPARED" logo and "Emergency Management Offices" dropdown, and "Tropical Cyclone Centers Worldwide" with a list of centers: Central Pacific Hurricane Center, Joint Typhoon Warning Center, Canadian Hurricane Centre, and WMO Severe Weather Info Centre. At the bottom, there is a "Lat/Lon Distance Calculator" and a "2007 Season Summaries and Reports" section with links for Atlantic and East Pacific reports. The footer contains "Additional Resources" such as "NHC Publications", "Alternate Tropical Cyclone Forecast Sites", "Radiofax Broadcast Schedule", and "NHC External Links Index". A vertical banner on the right side of the page reads "National Weather Service - Since 1870".

NWS National Fire Weather Page

- <http://fire.boi.noaa.gov/>



NATIONAL WEATHER SERVICE
NATIONAL FIRE WEATHER PAGE

[Note on changes... Local Boise Fire Weather Page](#)

Search NWS ALL NOAA

NATIONAL FIRE WEATHER FORECASTS / OFFICES / OUTLOOKS

Click area on map for Fire Weather Forecast:

[Alaska](#)
[Hawaii](#)
[Puerto Rico](#)



Office Websites **Red Flag Warnings / Watches**

Choose an NWS Site Choose an NWS Site

Fire Weather Outlooks

[30-90 day outlook](#) [SPC fire weather outlook](#)

OBSERVATIONS / RAWS / HAINES INDEX

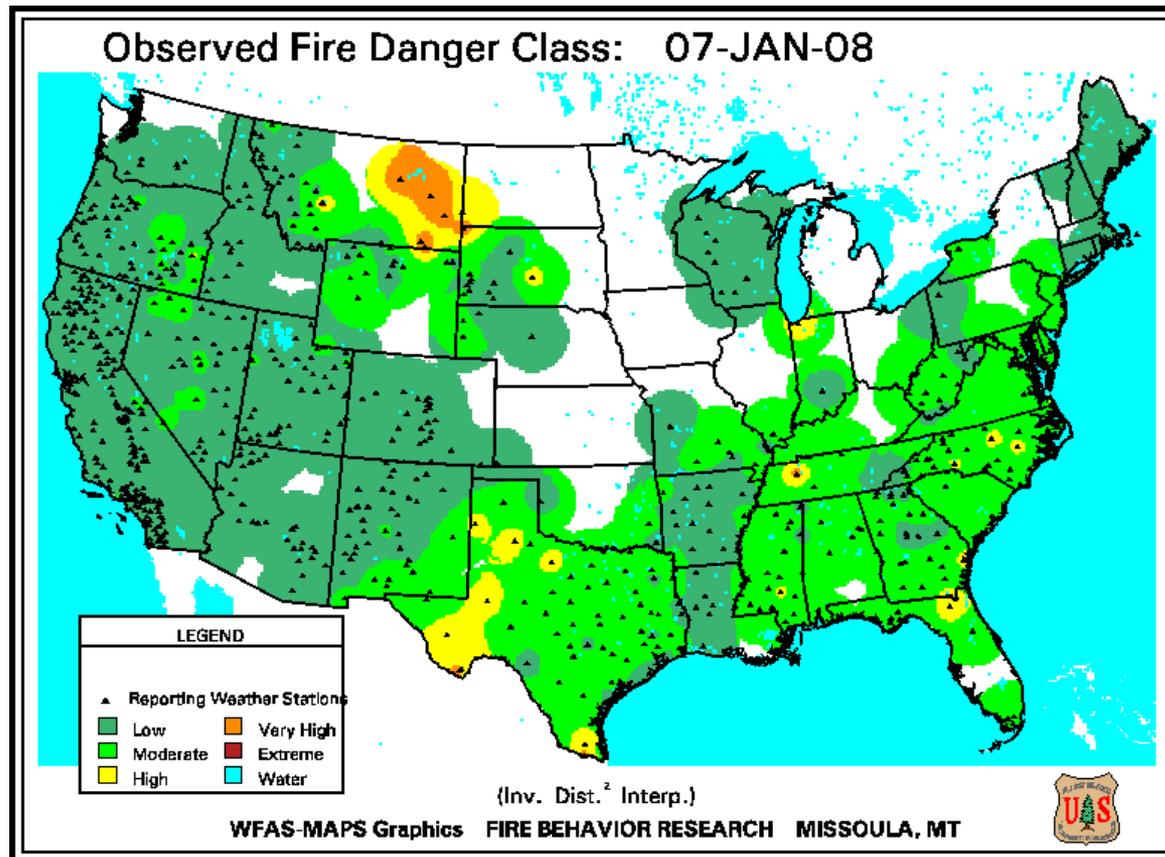
[All U.S. RAWS Data \(Text\)](#) [RAWS Summaries](#) [RAWS Location Info](#)
(now includes 12 and 24 hour summaries)

Current Conditions **WFAS / Fire Danger** **Haines Index**



National Fire Danger Rating

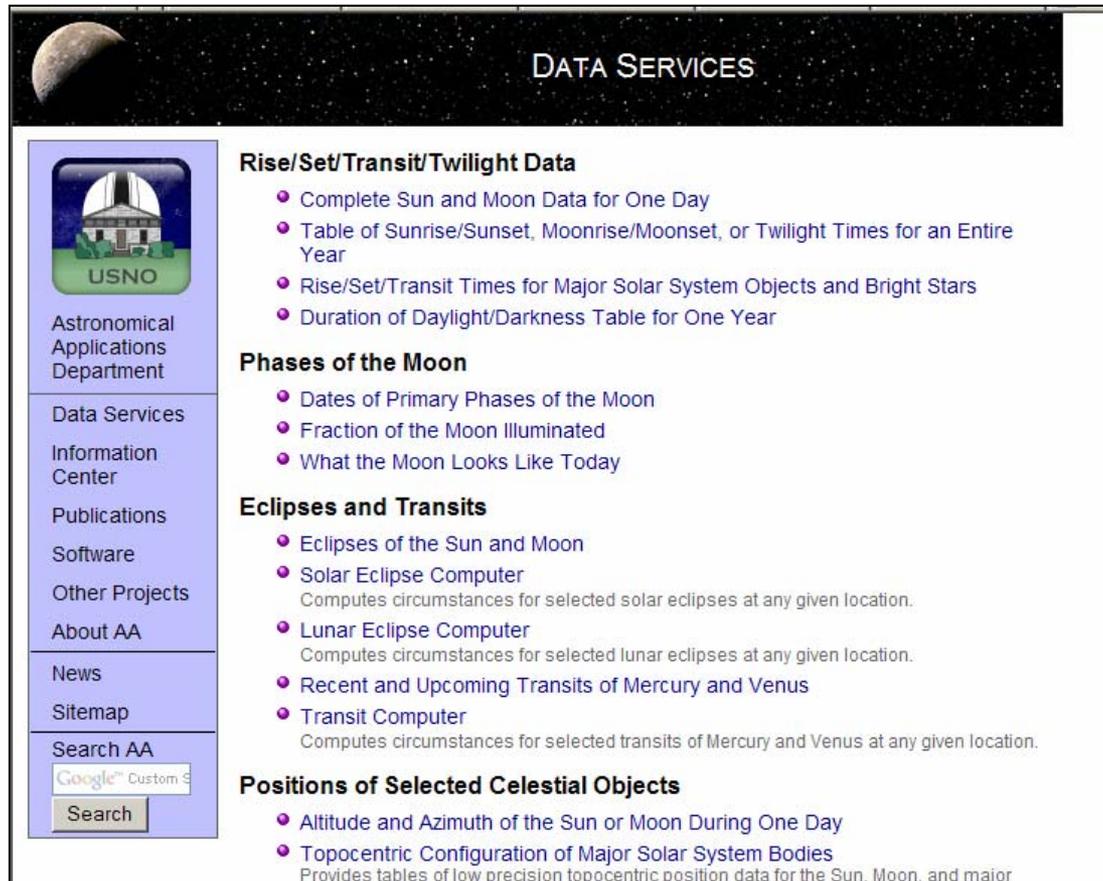
- http://www.fs.fed.us/land/wfas/fd_class.gif



US. Naval Observatory

(sunrise and sunset tables for one day or one year)

- <http://aa.usno.navy.mil/data/>



DATA SERVICES


Astronomical Applications Department

- Data Services
- Information Center
- Publications
- Software
- Other Projects
- About AA
- News
- Sitemap
- Search AA

Google™ Custom S
Search

Rise/Set/Transit/Twilight Data

- Complete Sun and Moon Data for One Day
- Table of Sunrise/Sunset, Moonrise/Moonset, or Twilight Times for an Entire Year
- Rise/Set/Transit Times for Major Solar System Objects and Bright Stars
- Duration of Daylight/Darkness Table for One Year

Phases of the Moon

- Dates of Primary Phases of the Moon
- Fraction of the Moon Illuminated
- What the Moon Looks Like Today

Eclipses and Transits

- Eclipses of the Sun and Moon
- Solar Eclipse Computer
Computes circumstances for selected solar eclipses at any given location.
- Lunar Eclipse Computer
Computes circumstances for selected lunar eclipses at any given location.
- Recent and Upcoming Transits of Mercury and Venus
- Transit Computer
Computes circumstances for selected transits of Mercury and Venus at any given location.

Positions of Selected Celestial Objects

- Altitude and Azimuth of the Sun or Moon During One Day
- Topocentric Configuration of Major Solar System Bodies
Provides tables of low precision topocentric position data for the Sun, Moon, and major

NCDC Colorado Climate Summary (for the entire state, graph or text)

- <http://www.ncdc.noaa.gov/oa/climate/research/cag3/co.html>

NOAA Satellite and Information Service
National Environmental Satellite, Data, and Information Service (NESDIS)

National Climatic Data Center
U.S. Department of Commerce

DOC > NOAA > NESDIS > NCDC Search Field: Search NCDC

[Climate Monitoring](#) / [Climate At A Glance](#) / COLORADO / [Help](#)

COLORADO Climate Summary December 2007

The average temperature in December 2007 was 22.1 F. This was -3.1 F cooler than the 1901-2000 (20th century) average, the 21st coolest December in 113 years. The temperature trend for the period of record (1895 to present) is 0.2 degrees Fahrenheit per decade.

1.68 inches of precipitation fell in December. This was 0.85 inches more than the 1901-2000 average, the 5th wettest such month on record. The precipitation trend for the period of record (1895 to present) is -0.01 inches per decade.

Select from the options below to view graphs and tables of monthly temperature and precipitation data for COLORADO , then click "submit". (Please wait 20-30 seconds)

Data Type : Mean Temperature	First Year to Display : 1895
Period : January	Last Year to Display : 2007
Location : COLORADO	Base Period: BegYr: 1901 EndYr: 2000
Output Type: <input checked="" type="radio"/> Line Chart* <input type="radio"/> Bar Chart* <input type="radio"/> Plot Trend Line <input type="radio"/> No Trend Line	<input type="radio"/> Table Sort by: <input checked="" type="radio"/> Year <input type="radio"/> Rank

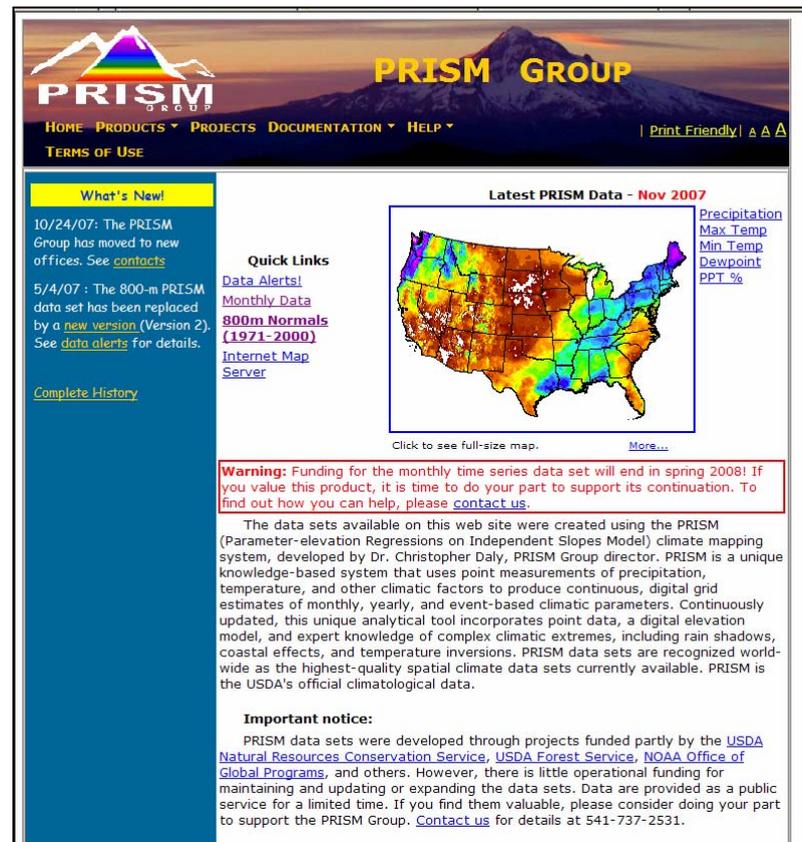
*A minimum of 8 years is required to generate chart output.

[Submit](#)

Information for users [experiencing problems](#) receiving requested output.

Oregon State University – PRISM Group

- <http://www.prism.oregonstate.edu/>



PRISM GROUP

HOME PRODUCTS ▾ PROJECTS DOCUMENTATION ▾ HELP ▾ | [Print Friendly](#) | ▲ ▲ ▲

TERMS OF USE

What's New!

10/24/07: The PRISM Group has moved to new offices. See [contacts](#)

5/4/07 : The 800-m PRISM data set has been replaced by a [new version](#) (Version 2). See [data alerts](#) for details.

[Complete History](#)

Quick Links

[Data Alerts!](#)
[Monthly Data](#)
[800m Normals \(1971-2000\)](#)
[Internet Map Server](#)

Latest PRISM Data - Nov 2007

[Precipitation](#)
[Max Temp](#)
[Min Temp](#)
[Dewpoint](#)
[PPT %](#)

Click to see full-size map. [More...](#)

Warning: Funding for the monthly time series data set will end in spring 2008! If you value this product, it is time to do your part to support its continuation. To find out how you can help, please [contact us](#).

The data sets available on this web site were created using the PRISM (Parameter-elevation Regressions on Independent Slopes Model) climate mapping system, developed by Dr. Christopher Daly, PRISM Group director. PRISM is a unique knowledge-based system that uses point measurements of precipitation, temperature, and other climatic factors to produce continuous, digital grid estimates of monthly, yearly, and event-based climatic parameters. Continuously updated, this unique analytical tool incorporates point data, a digital elevation model, and expert knowledge of complex climatic extremes, including rain shadows, coastal effects, and temperature inversions. PRISM data sets are recognized worldwide as the highest-quality spatial climate data sets currently available. PRISM is the USDA's official climatological data.

Important notice:

PRISM data sets were developed through projects funded partly by the [USDA Natural Resources Conservation Service](#), [USDA Forest Service](#), [NOAA Office of Global Programs](#), and others. However, there is little operational funding for maintaining and updating or expanding the data sets. Data are provided as a public service for a limited time. If you find them valuable, please consider doing your part to support the PRISM Group. [Contact us](#) for details at 541-737-2531.

NWS NOWdata climate data from Weather Forecast Office – Boulder

- <http://www.weather.gov/climate/xmacis.php?wfo=bou>

National Weather Service Forecast Office
Denver-Boulder, CO

Home News Organization Search for:

Observed Weather Climate Locations Climate Prediction Climate Resources Local Data/Records Astronomical NOWData

NOWData - NOAA Online Weather Data

Local forecast by "City, St"
City, St Go

Current Hazards
Watches/Warnings
Outlooks
U.S. Hazards
Hurricane Info
Colorado Watches
About Lightning
Spotter Program
Submit Storm Rpt
Severe WX Page
Winter Hazards

Current Conditions
Current Weather
Pressure Data
Temp/Moisture Data
U.S. Observations
World Conditions
Satellite Images

Radar Imagery
Denver Radar
Nationwide

Forecasts
Local Area
Aviation
Fire Weather
Graphical Forecasts
Interactive

1. Product »
 Daily data for a month
 Daily almanac
 Monthly avgs/totals
 Monthly occurrences
 Monthly extremes
 Daily extremes
 Daily/monthly normals
 Record extremes
 First/last dates

2. Location »
Boulder, CO
Brighton 3 Se, CO
Byers S Ene, CO
Cabin Creek, CO
Cheesman, CO
Dillon 1 E, CO
Evergreen, CO
Fort Collins, CO
Fraser, CO
Genoa, CO

3. Variable »
 Max Temperature
 Min Temperature
 Avg Temperature
 Precipitation
 Snow fall
 Snow Depth
 Heating Degree Days
 Cooling Degree Days
 Growing Degree Days

4. Year »
 Current year
 Last year
 1971-2000

5. View »
Go

Product Description:
MONTHLY AVERAGES/TOTALS - calculates averages or totals, as appropriate, for the selected variable for each month of the year. This product is available for the current year, the previous year, or an average of the years 1971 through 2000. Additional stations and years of data are available from the Regional Climate Centers and the National

- NCDC Map Services -
- Common questions -
- Submit a question/comment -

Powered by **ACIS**
NOAA Regional Climate Centers

The Applied Climate Information System (ACIS) is a joint project of the Regional Climate Centers, the National Climatic Data Center and the National Weather Service. Official data and data for additional locations and years are available from the Regional Climate Centers and the National Climatic Data Center.

NOAA Earth System Research Laboratory (ESRL)

- <http://www.esrl.noaa.gov/>

The screenshot shows the NOAA Earth System Research Laboratory website. At the top, it features the NOAA logo and the text "U.S. Department of Commerce | National Oceanic & Atmospheric Administration | NOAA Research". Below this is the "Earth System Research Laboratory" header with the tagline "Serving Society through Science". A search bar and links for "FAQs | People | Publications" are also present. A navigation menu includes "About", "Research", "Outreach", "Media Center", "Planning", and "Home".

Our Mission

"To observe and understand the Earth system, and to develop products, through a commitment to research that will advance NOAA's environmental information and service on global-to-local scales."

Organization

Contact us

NOAA Earth System Research Laboratory

Welcome to the Earth System Research Laboratory. ESRL was formed to pursue a broad and comprehensive understanding of the Earth system. This system comprises many physical, chemical and biological processes that need to be dynamically integrated to better predict their behavior over scales from local to global and periods of minutes to millennia.

At ESRL we are working toward a greater stewardship of the Earth through a number of themes aimed at understanding the Earth system processes and changes.

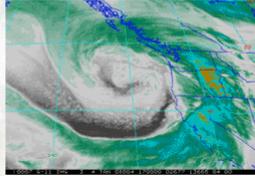
Understanding atmospheric mechanisms that drive the Earth's climate.

- Aerosols: Climate
- Carbon Cycle Science
- Radiative Forcing of Climate by Non-CO2 Atmospheric Gases
- Surface and Planetary Boundary Layer Processes

Assuring the continuing health and restoration of atmospheric resources.

- Aerosols: Air Quality
- Stratospheric Ozone Layer Recovery
- Tropospheric Ozone and Air Quality

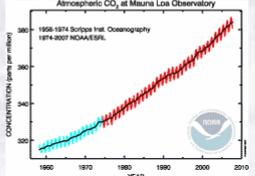
HMT Ready for Once-in-a-Decade Storm.



Study Shows Drought Decreased Natural CO₂ Absorption.



Atmospheric CO₂ at Mauna Loa Observatory



Year	Concentration (ppm)
1958	315
1970	325
1980	335
1990	355
2000	370
2010	390

PREDICTIONS and FORECASTS



NWS Climate Prediction Center (CPC)

- <http://www.cpc.noaa.gov>

Monthly and
Seasonal
Outlooks

National Weather Service
Climate Prediction Center

Home Site Map News Organization

Search the CPC
 Go

Climate Highlights
U.S. Hazards Assessment
Drought Assessment
ENSO Diagnostic Discussion
Popular Products
More Highlights

Climate-Weather
El Niño/La Niña
MJO
Blocking
AAO, AO, NAO, PNA
Storm Tracks
Climatology
Global Monsoons

Expert Assessments
Index Products

Outlooks (Forecasts)
Index Products

Monitoring and Data
Index Products

Crosscutting Themes
Stratosphere
Pacific Islands
Africa

Partnerships
Climate Test Bed
NOAA
Interagency
JAWF
USAID FEWS-NET
Others

Outreach
Educational
Climate Glossary
Meetings
CPC Seminars

Top News of the Day
NOAA's 33rd Annual Climate Diagnostics and Prediction Workshop

Click on product title to go to product page. Move cursor over product parameter name to display the graphic -- click to enlarge. Links to these same products are also available below.

6-10 Day Outlook		One Month Outlook		
Temperature	Precipitation	Temperature	Precipitation	
8-14 Day Outlook		Three Month Outlook		
Temperature	Precipitation	Temperature	Precipitation	
U.S. Hazards Assessment		U.S. Drought Assessment		
Temp./Wind	Precip. Soil/Wildfire	Composite	Drought Monitor	Drought Outlook

6-10 DAY OUTLOOK
TEMPERATURE PROBABILITY
MADE 8 JAN 2008

DASHED BLACK LINES ARE CLIMATOLOGY
(DEG F) SHADED AREAS ARE T-CET
10-15% ABOVE-TOL. OF 10-DL 100-NORM

NWS Storm Prediction Center

- <http://spc.noaa.gov>

Convective watch
information,
storm reports,
convective
outlooks

NOAA's National Weather Service
Storm Prediction Center

Site Map News Organization

Local forecast by "City, St" or "ZIP"
City, St Go

Overview
SPC Products
All SPC Forecasts
Current Watches
Meso. Discussions
Conv. Outlooks
Fire Wx Forecasts
XML RSS Feeds
Weather Information
Storm Reports
Watch/Warning Map
National RADAR
Product Archive
Norman, OK WX
Research
Non-op. Products
Forecast Tools
Svr. Tstm. Events
SPC Publications
Education & Outreach
About the SPC
SPC FAQ
About Tornadoes
About Derechos
WCM Page
Enh. Fujita Page
Cool Images
Our History
Public Affairs
Misc.
Staff
Links
Contact Us
SPC Feedback

Top News of the Day

The following Weather Watches are currently in effect:
0009...0011...
More news items below the overview graphic. Updated: Tuesday, 08-Jan-2008 19:18:23 CST

Overview | Conv. Outlooks | Watches | MDS | WWA | Reports | Mesoanalysis | Fire

SPC Activity Chart
20080109/0044
National Weather Service
Storm Prediction Center Norman, Oklahoma

Other News (Updated: November 14, 2007)

- **New:** 2008 National Severe Weather Workshop is scheduled for March 6-8, 2008 in Norman, Oklahoma. Visit <http://www.norman.noaa.gov/nsww2008/> for details.
- **Updated:** Click [here](#) to see the SPC Preliminary Severe Weather Database Summary.
- Day 3-8 Fire Weather Outlook became an official product June 12, 2007.
- Day 4-8 Convective Outlook became an official product March 22, 2007.
- **Enhanced Fujita Scale Page is available here.**
- The SPC has updated the **Short-Range Ensemble (SREF)** guidance page.

National Weather Service - Since 1870

USA.gov

NWS Advanced Hydrologic Prediction System (AHPS)

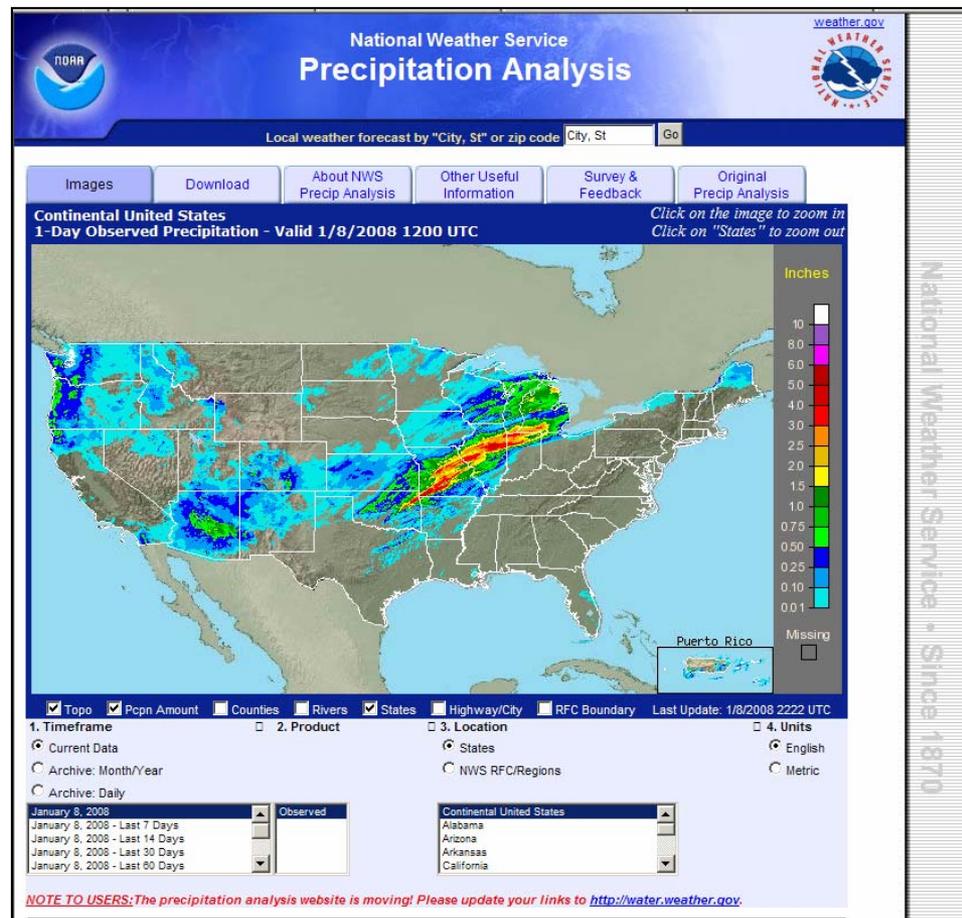
- <http://www.weather.gov/ahps>

Click on
“River Status”
and
“River Forecasts”



NWS Precipitation Estimation

http://www.srh.noaa.gov/rfcshare/precip_analysis_new.php



El Nino Predictions by Klaus Wolter

- <http://www.cdc.noaa.gov/people/klaus.wolter/SWcasts/>

El Nino Information and Predictions for the Southwestern US.

- <http://www.cdc.noaa.gov/people/klaus.wolter/MEI/>

El Nino Southern Oscillation Information

RAP Real-Time Weather Forecasts

- <http://www.rap.ucar.edu/weather/>

The screenshot shows the homepage of the RAP Real-Time Weather Data website. The header includes the NCAR logo and the text "The National Center for Atmospheric Research" and "Operated by the University Corporation for Atmospheric Research". The main navigation bar contains links for "Weather Home", "Satellite", "Radar", "Surface", "Upper-Air", and "Forecast". A search bar is located in the top right corner.

The main content area is divided into several sections:

- Satellite:** View cloud images as seen from space by geostationary satellites. [more >](#)
- Radar:** View reflectivity and velocity images from NEXRAD doppler radars. [more >](#)
- Surface:** See the surface weather conditions reported nearest you. [more >](#)
- Upper-Air:** See winds, temperature, and moisture well above the earth's surface. [more >](#)
- Forecast:** Become your own weather forecaster using these guidance tools. [more >](#)
- Help Pages:** Review these pages for help interpreting certain graphics or to see what's new. [more >](#)

On the right side, there is a "NWS Local Forecast" section with a search box for "Enter Zip Code or City, ST:" and a "Go" button. Below this are sections for "Local & Colorado", "Severe & Tropical", "Aviation", "Climate", and "Solar", each with a list of links to specific forecast and data pages.

At the bottom, there is an "Additional Links" section with a list of external resources:

- National Weather Service
- UCAR members
- WMO International Sources
- sci.geo.meteorology FAQ
- Weather World 2010
- Forecast Factory curriculum
- Learn to forecast
- Educational Resources
- Historical Significant Events Imagery
- NOAA
- American Meteorological Society
- National Weather Association
- Tracking Weather Satellites
- U.S. drought monitor

The footer contains navigation links: "Home > RAP > Weather : Satellite | Radar | Surface | Upper-Air | Forecast | Help Pages", contact information for Greg Thompson, and copyright information: "© 1994-2005 | Privacy Policy | Terms of Use | Contact us | Sponsored by NSF".

That's all folks!!

