



National Weather Service
Climate Services

National Weather Service
Climate Prediction Center

NOAA's Climate Portal

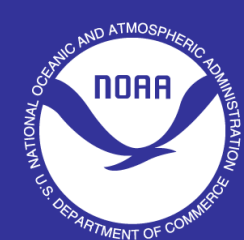
Scott Handel/Viviane Silva

Climate Prediction Center
January 26, 2010



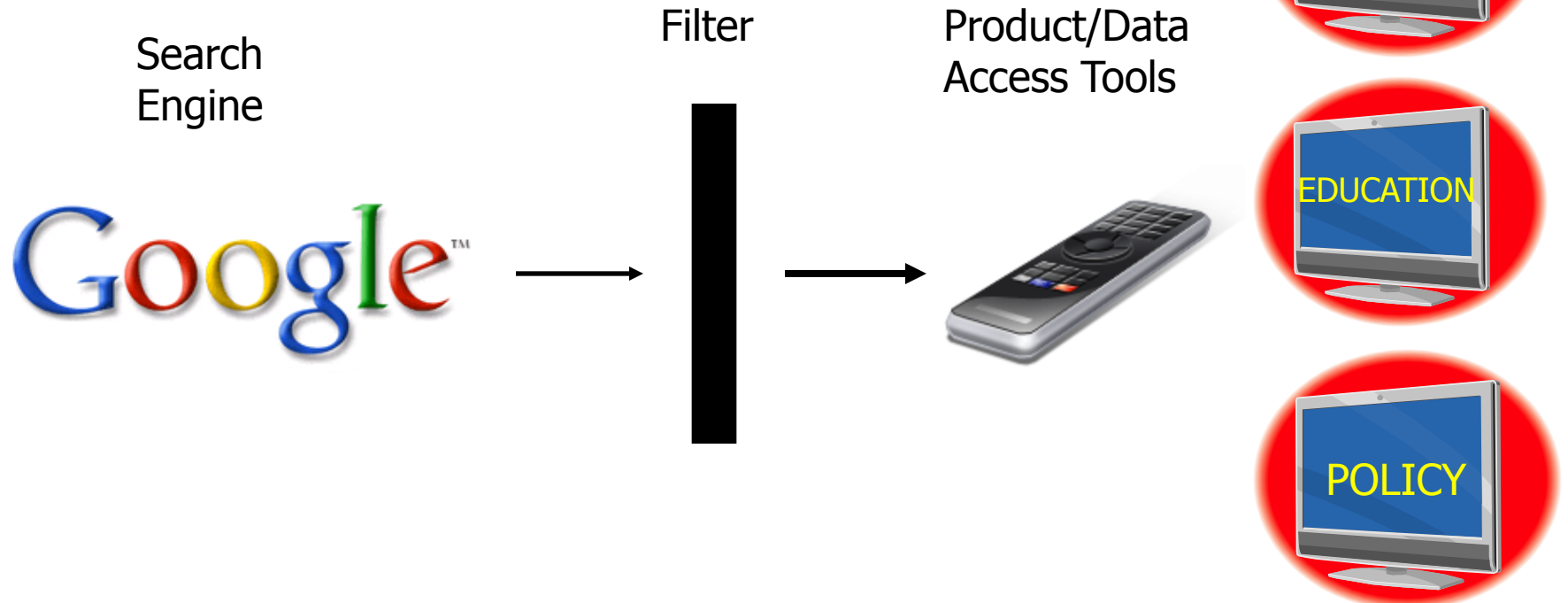
A NOAA Climate Portal? Why?

- NOAA is one of the nation's leading climate organizations
- NOAA Produces a tremendous volume of climate information
- Customers have difficulty navigating through this information.
- Nation needs **ready access** to all NOAA climate data, products, and services
- **The Portal is a key National Climate Service “near term opportunity”**

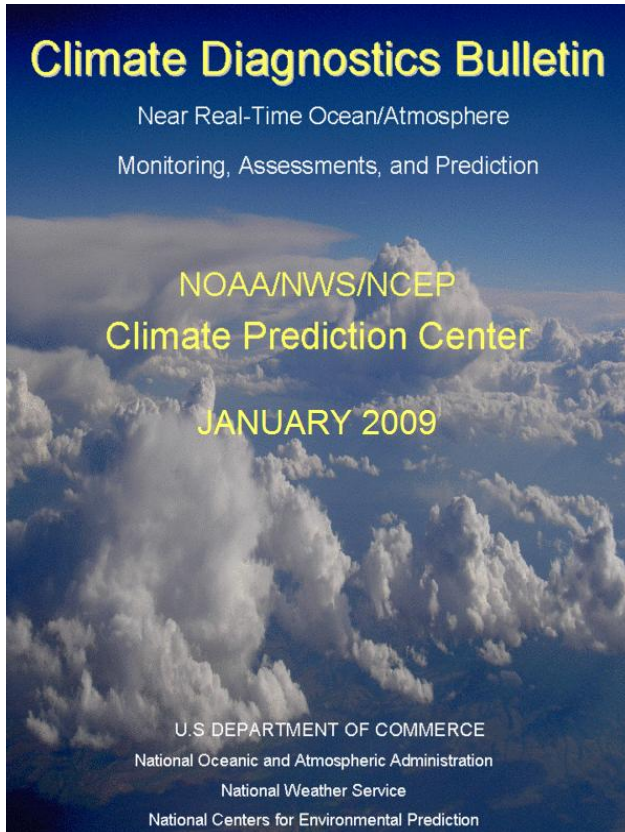


What Exactly Is The Climate Portal?

A one stop web-based shop for the discovery and delivery of NOAA's climate information and resources



CPC's Role In NCS Portal Project



**CPC's Climate Diagnostics Bulletin
(Issued Every Month)**

- Founding Member
- 4 Dedicated Employees Working in the Following areas:
 - Project management
 - Design
 - Product/Data Management
 - User Testing and Outreach
 - Team Leads for 3 Sections of the Portal
- Strengthening Partnerships To:
 - Enhance Website/Product Design and Functionality
 - Facilitate understanding and awareness of NOAA's Climate Information

NCS Portal Live Demo

<http://www.climate.gov>

Backup Slides

NCS Portal Home Page/Climate Watch Magazine

NOAA HOME WEATHER OCEANS FISHERIES CHARTING SATELLITES CLIMATE RESEARCH COASTS CAREERS



NOAA CLIMATE SERVICES

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Development Prototype

Explore: ClimateWatch Magazine

Data & Services

Understanding Climate

Education

Articles



Short-term Cooling on a Warming Planet

Featured Article, December 31, 2009
by Michon Scott

Has global warming stopped? That's what some climate skeptics claim, based on global temperatures recorded since 1998. But, scientists say, not setting a new record high temperature each year doesn't mean the globe is cooling.

[Read Full Article »](#)

[Browse ClimateWatch Articles](#)

Videos

[Browse ClimateWatch Videos](#)

Meet NOAA's climate scientists and get their perspectives on climate.



Climate and Meningitis in Africa



Susan Solomon Wins 2009 Volvo Environment Prize

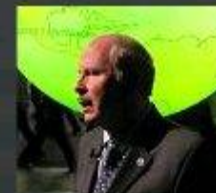


What Is Causing Global Climate Change?

Images

[Browse ClimateWatch Images](#)

Browse images, photos and visualizations of Earth's climate system.



Subscribe to ClimateWatch RSS

Data & Services Home Page

NOAA HOME WEATHER OCEANS FISHERIES CHARTING SATELLITES CLIMATE RESEARCH COASTS CAREERS



NOAA CLIMATE SERVICES

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Development Prototype



Explore:

[ClimateWatch Magazine](#)

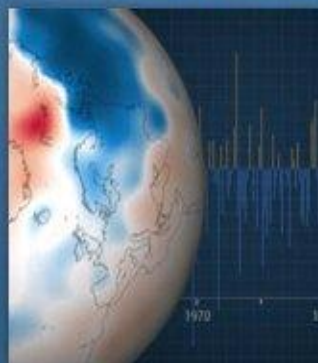
[Data & Services](#)

[Understanding Climate](#)

[Education](#)



Past & Present Climate ▶



Climate at a Glance

Read and explore summaries and digests of recent climate-related phenomena from NOAA's distributed climate service community.

Predictions ▶



Looking Ahead

Explore how climate phenomena are likely to unfold in the coming days, weeks, and months.

NOAA Partners ▶



Locate Climate Expertise

Use an interactive map to find national and regional climate services.

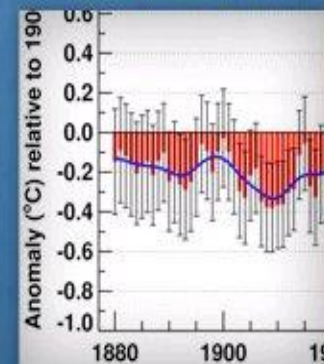
Climate & You ▶



Utilizing Climate Data

Climate information is essential for business and community planning. These resources focus on needs of specific sectors of society.

Data Library ▶



Visualizing & Explore

NOAA is a leading provider of access to data from research projects, stations, and satellites to the nation and the world.

Understanding Climate Home Page

NOAA HOME WEATHER OCEANS FISHERIES CHARTING SATELLITES CLIMATE RESEARCH COASTS CAREERS



NOAA CLIMATE SERVICES

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Development Prototype



Explore:

[ClimateWatch Magazine](#)

[Data & Services](#)

[Understanding Climate](#)

[Education](#)



Public Events

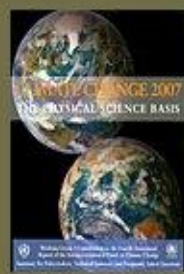
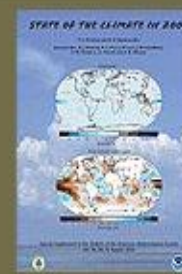
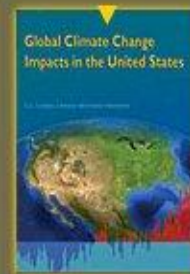


White House releases landmark climate change report on June 16, 2009.

[Press release](#) | [About the report](#) | [USGCRP Home](#)

Climate Science Assessment Reports

Documenting the current state of climate science knowledge.



Global Climate Change Impacts in the United States

An authoritative scientific report written in plain language about the observed and projected consequences of climate change for our nation and people. The report presents an overview of climate-related issues and impacts for seven geographic regions in the U.S. and seven sectors of society.

[Get the full report](#) | [Get the summary for policy leaders](#)

Presentation Library

Interactive slide sets about climate science, climate impacts, and adaptation strategies.

Fact Sheets

Short summaries on the state of knowledge about Earth's climate system.

Calendar of Climate-Related Events

When and where NOAA personnel will be attending climate-related public engagements.

Education Home Page

NOAA HOME WEATHER OCEANS FISHERIES CHARTING SATELLITES CLIMATE RESEARCH COASTS CAREERS



NOAA CLIMATE SERVICES

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Development Prototype



Explore: [ClimateWatch Magazine](#)

[Data & Services](#)

[Understanding Climate](#)

[Education](#)



Featured



Understanding Sea Level Using Real Data

Researchers have evidence that sea level is rising worldwide. But how are water levels monitored and measured?

Grade Level: 6-8

Learn More: <http://www.dataintheclassroom.org/>

Download: (PDF) [Sea Level Teacher Guide](#)

Education Sections



Teaching Resources

Student activities, interactive tools, labs and lesson plans present climate science. Lessons are correlated to education standards.



Professional Development

Professional development opportunities to support educators in learning about climate.



Multimedia

Movies, visualizations, multimedia galleries, interactive media and educational games about climate science.

Education Purpose

"To protect fragile ecosystems and to build sustainable communities that are resilient to climate change - including extreme weather and climate events - a climate-literate citizenry is essential"

► [Climate Literacy, 2009](#)

Data & Services: Past & Present Climate

NOAA HOME WEATHER OCEANS FISHERIES CHARTING SATELLITES CLIMATE RESEARCH COASTS CAREERS



NOAA CLIMATE SERVICES

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Development Prototype



Explore: [ClimateWatch Magazine](#)

[Data & Services](#)

[Understanding Climate](#)

[Education](#)



[Past & Present Climate](#) | [Predictions](#) | [NOAA Partners](#) | [Climate & You](#) | [Data Library](#)

Past & Present Climate

Read and explore summaries and digests of recent climate-related phenomena from NOAA's distributed climate service community.

Use Menu below to find & preview data products

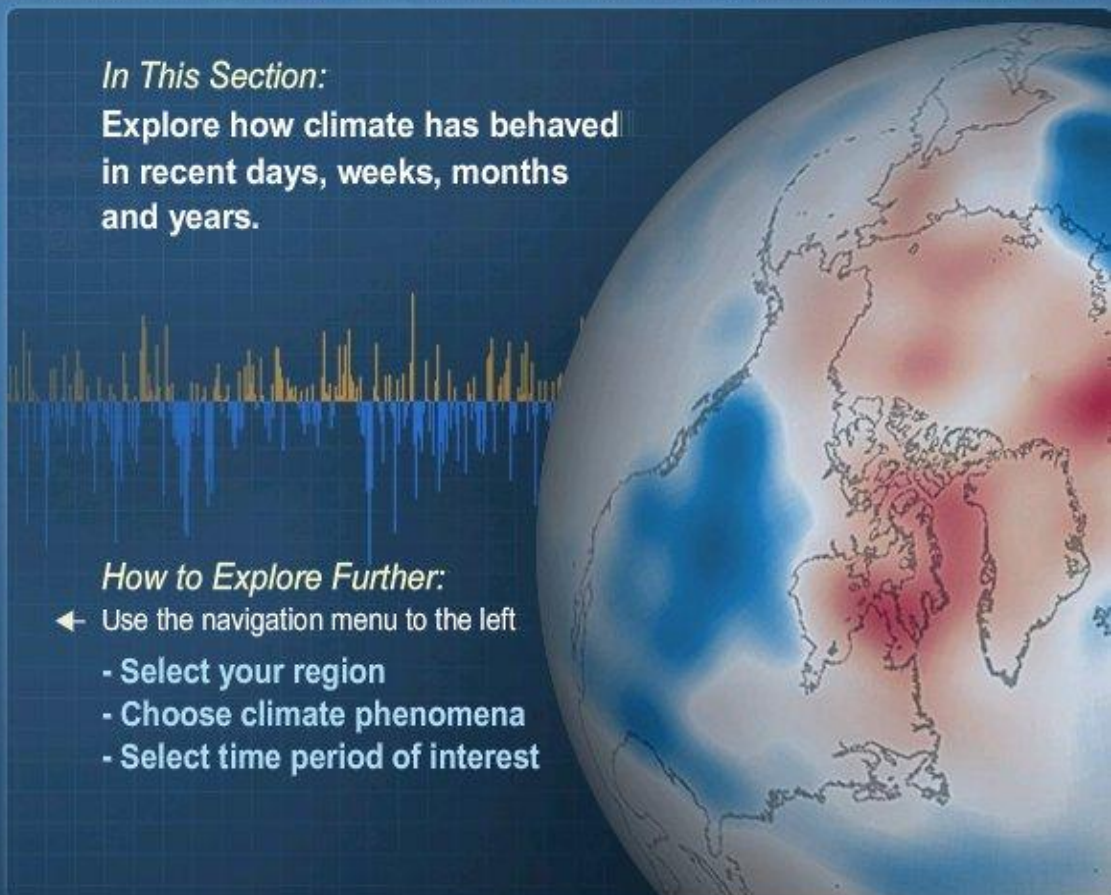
- [USA](#)
- [Global](#)

In This Section:

Explore how climate has behaved in recent days, weeks, months and years.

How to Explore Further:

- ← Use the navigation menu to the left
- Select your region
- Choose climate phenomena
- Select time period of interest



Data & Services: Past & Present Climate

NOAA HOME WEATHER OCEANS FISHERIES CHARTING SATELLITES CLIMATE RESEARCH COASTS CAREERS



NOAA CLIMATE SERVICES

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Development Prototype



Explore: [ClimateWatch Magazine](#)

[Data & Services](#)

[Understanding Climate](#)

[Education](#)



[Past & Present Climate](#) | [Predictions](#) | [NOAA Partners](#) | [Climate & You](#) | [Data Library](#)

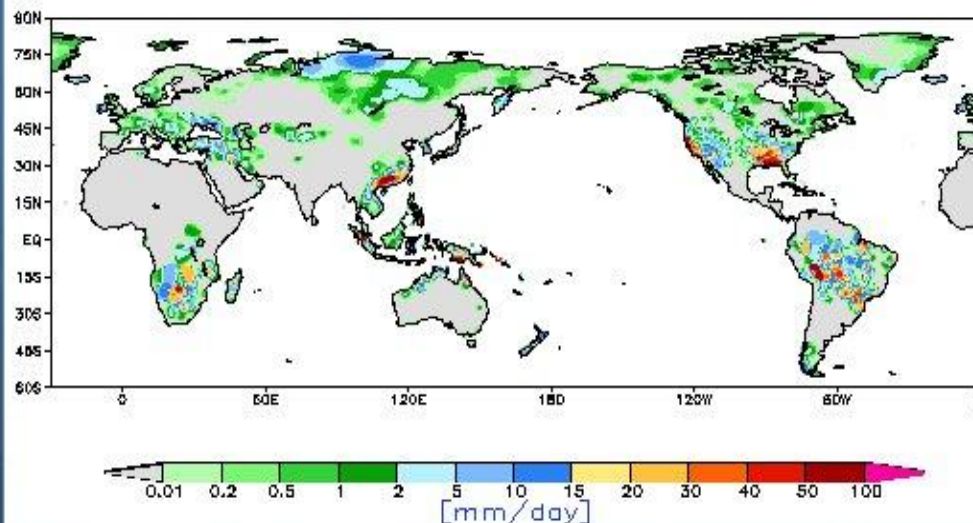
Past & Present Climate

Read and explore summaries and digests of recent climate-related phenomena from NOAA's distributed climate service community.

Use Menu below to find & preview data products

- ☒ USA
- ☒ Global
- ☒ Summaries
- ☒ Temperature and Precipitation
 - ▶ [Daily Precipitation Analysis](#)
 - Merged Land Air Sea Surface Temp Reconstruction
- ☒ Climate Phenomena

CPC Unified Global Gauge Daily Precipitation Analysis
20100121



The unified global gauge daily precipitation analysis is part of the Climate Prediction Center (CPC) Unified Precipitation Products Suite. The daily gauge analysis is created on a 0.5 resolution grid over the global land by interpolating gauge observations from approximately 30,000 stations.

▶ [CPC Unified Global Gauge Daily Precipitation Analysis](#)



Data & Services: Predictions

NOAA HOME WEATHER OCEANS FISHERIES CHARTING SATELLITES CLIMATE RESEARCH COASTS CAREERS



NOAA CLIMATE SERVICES

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Development Prototype



Explore: [ClimateWatch Magazine](#)

[Data & Services](#)

[Understanding Climate](#)

[Education](#)



[Past & Present Climate](#) | [Predictions](#) | [NOAA Partners](#) | [Climate & You](#) | [Data Library](#)

Predictions

Explore how climate phenomena are likely to unfold in the coming days, weeks, and months.

Use Menu Below to find recent climate data

- [United States](#)
- [Global](#)

In This Section:

Explore how climate phenomena are likely to unfold in the coming days, weeks, and months.

[3-7 Days](#) [6-10 Days](#) [8-14 Days](#) [Monthly](#) [Seasonal](#)

How to Explore Further:

- ← Use the navigation menu to the left
 - Select your region
 - Choose climate phenomena
 - Select time period of interest



Data & Services: Predictions

NOAA HOME WEATHER OCEANS FISHERIES CHARTING SATELLITES CLIMATE RESEARCH COASTS CAREERS



NOAA CLIMATE SERVICES

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Development Prototype



Explore: [ClimateWatch Magazine](#)

[Data & Services](#)

[Understanding Climate](#)

[Education](#)



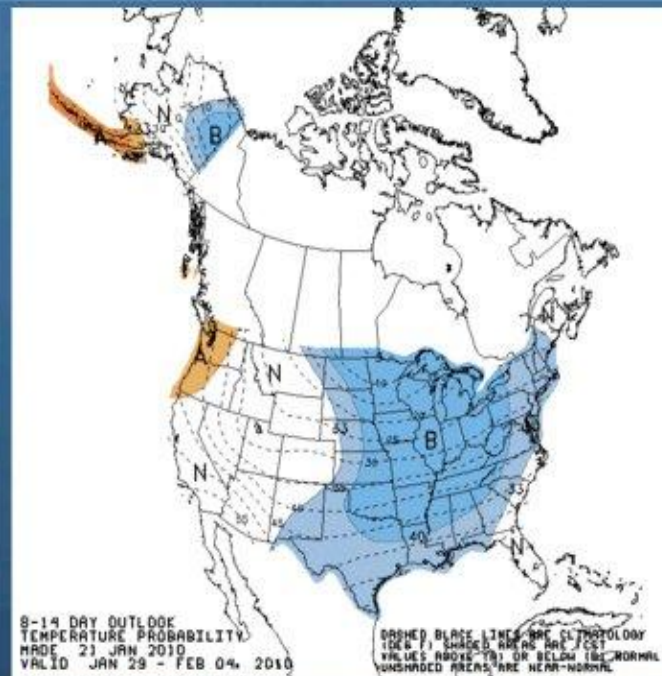
[Past & Present Climate](#) | [Predictions](#) | [NOAA Partners](#) | [Climate & You](#) | [Data Library](#)

Predictions

Explore how climate phenomena are likely to unfold in the coming days, weeks, and months.

Use Menu Below to find recent climate data

- United States
 - Hazards
 - Temperature
 - 6 to 10 Day
 - 8 to 14 Day**
 - Monthly
 - Seasonal
 - Local 3-month temp outlook
 - Precipitation
 - Drought
- Global



The Climate Prediction Center (CPC) issues 8 to 14 day probabilistic temperature outlooks for the United States. CPC expresses the outlooks in a 3-category probabilistic format as the chance the mean temperature for the period will be above, below, or near normal.

[Climate Prediction Center 8 to 14 Day Probabilistic Temperature Outlook for the Contiguous United States and Alaska](#)

Data & Services: NOAA Partners

NOAA HOME WEATHER OCEANS FISHERIES CHARTING SATELLITES CLIMATE RESEARCH COASTS CAREERS



NOAA CLIMATE SERVICES

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Development Prototype



Explore: [ClimateWatch Magazine](#)

[Data & Services](#)

[Understanding Climate](#)

[Education](#)



[Past & Present Climate](#) | [Predictions](#) | [NOAA Partners](#) | [Climate & You](#) | [Data Library](#)

NOAA Partners

Explore the climate services and products NOAA experts prepare for specific regions of our nation and the world.

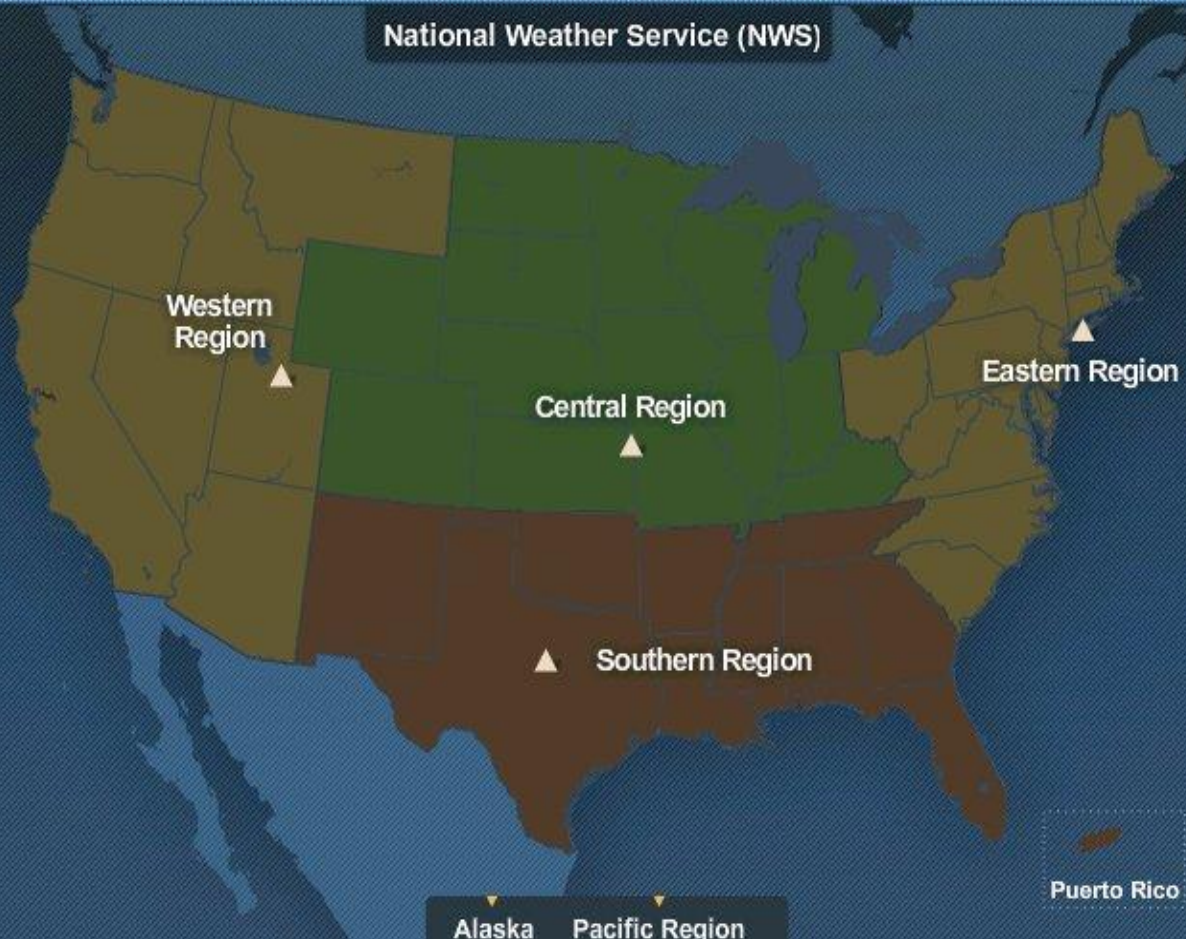
Select a map layer using the legend below.

NOAA

- Data and Prediction Centers
- ✂ Laboratories
- Program Offices and Headquarters
- River Forecast Centers
- ▲ National Weather Service (NWS)
- National Marine Sanctuaries

PARTNERS

- △ RISA
- ◇ Regional Climate Centers
- State Climatologists
- Sea Grant
- ★ National Estuarine Research (NERR)
- Cooperative Institutes



National Weather Service (NWS)

Western Region

Central Region

Eastern Region

Southern Region

Alaska Pacific Region

Puerto Rico

Data & Services: Climate & You

NOAA HOME WEATHER OCEANS FISHERIES CHARTING SATELLITES CLIMATE RESEARCH COASTS CAREERS



NOAA CLIMATE SERVICES

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Development Prototype



Explore: [ClimateWatch Magazine](#)

[Data & Services](#)

[Understanding Climate](#)

[Education](#)



[Past & Present Climate](#) | [Predictions](#) | [NOAA Partners](#) | [Climate & You](#) | [Data Library](#)

Climate & You

Climate information is essential for business, community, and natural resource planning. These resources focus on needs of specific sectors of society.

Featured Sectors:



Coastal »

Our nation's coastal states support 81% of the U.S. population, generate 83% of U.S. GDP, and will be acutely impacted by climate change. In the face of this challenge, coastal professionals will lead the effort to enhance resilience of coastal communities, economies, and ecosystems.



International »

Changing climate poses challenges that cross many borders, and addressing these challenges requires a global perspective and capability. Solutions to climate issues are social as well as scientific. A growing international community is working to help groups find answers to their questions.



Agriculture



Ecosystems



Energy



Health



Society



Transportation



Water

Data & Services: Data Library

NOAA HOME WEATHER OCEANS FISHERIES CHARTING SATELLITES CLIMATE RESEARCH COASTS CAREERS



NOAA CLIMATE SERVICES

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Development Prototype



Explore: [ClimateWatch Magazine](#)

[Data & Services](#)

[Understanding Climate](#)

[Education](#)

[Past & Present Climate](#) | [Predictions](#) | [NOAA Partners](#) | [Climate & You](#) | [Data Library](#)

Search Data Library

Search

Interactive Map

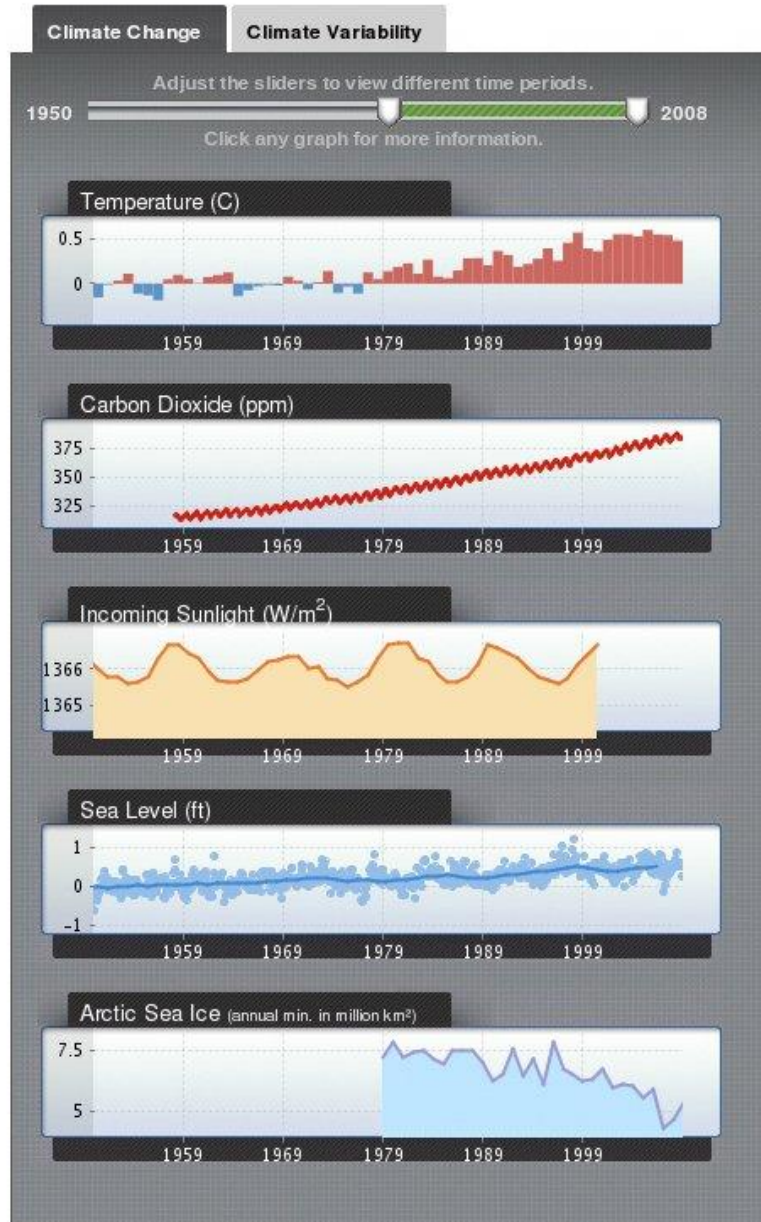
Launch Map

- Direct Observations
- Remote Sensing
- Climatological Normals and Averages



Climate Dashboard, News, & Past Weather

Global Climate Dashboard



Past
Weather

City, State or Zip

01-20-2010

Lookup

News

Tom Karl, Director of NOAA's National Climatic Data Center Answers Questions About Climate Science

Mon, 14 Dec 2009

On Friday, Dec. 11, Tom Karl was the guest for a live webchat with Washington Post readers about the science of climate change.

Dr. Lubchenco Responds to Questions About Stolen Climate Emails

Mon, 07 Dec 2009

Last week on Dec. 2 NOAA Administrator, Jane Lubchenco, testified before the House Select Committee on Energy Independence and Global Warming in a hearing called "State of Climate Science." Many of the questions were related to the climate emails stolen and released from East Anglia University.

NOAA: Combined Global Surface Temperature Was Sixth Warmest for October

Tue, 17 Nov 2009

The combined global land and ocean surface temperature was the sixth warmest October on record, according to NOAA's National Climatic Data Center in Asheville, N.C. Based on records going back to 1880, the monthly National Climatic Data Center analysis is part of the suite of climate services NOAA provides.

When it Comes to CO₂, What Goes Up Isn't Always Coming Down

Tue, 17 Nov 2009

The ocean and the land are natural sponges, or sinks, that absorb carbon dioxide, or CO₂, from the atmosphere. But a group of international scientists, including two from NOAA, have found that the emissions are outpacing the ability of the sinks to soak up the excess CO₂.

[NOAA Climate News Feed](#) 