

# NOAA CLIMATE SERVICE

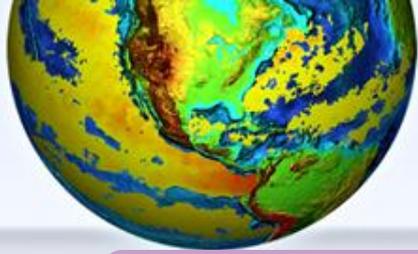


**Dr. Jane Lubchenco**

Under Secretary for Oceans & Atmosphere

NOAA Administrator

February 8, 2010



# Proposed NOAA Climate Service (NCS)

## NESDIS DATA CENTERS

National Climatic  
Data Center

National Oceanographic  
Data Center

National Geophysical  
Data Center

## OAR PROGRAM & LABORATORIES

Earth System Research Lab  
Office of the Director  
Chemical Sciences Division  
Global Monitoring Division  
Physical Sciences Division

Geophysical Fluid Dynamics  
Laboratory

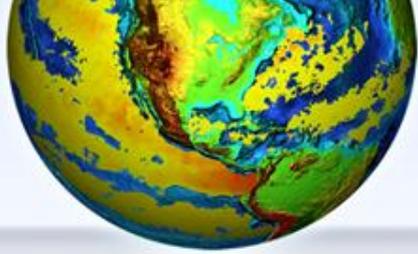
Climate Program Office

## NWS FUNDING TO MANAGE NETWORKS (NO STAFF CHANGE)

Climate Observing Network  
Tropical Atmosphere Ocean  
(TAO)  
Historical Climate Network  
(HCN)  
Hourly Precipitation Gauge  
Modernization

**NOS & NMFS  
UNCHANGED**

*The physical location of these facilities will not change*



# NOAA Climate Service Portal



## NOAA CLIMATE SERVICES

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



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[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.



▶ Watch

Climate and Meningitis in Africa



▶ Watch

Susan Solomon Wins 2009 Volvo Environment Prize



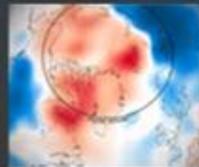
▶ Watch

What Is Causing Global Climate Change?

### Images

[Browse ClimateWatch Images](#)

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

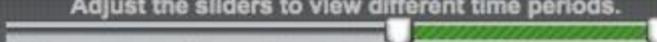


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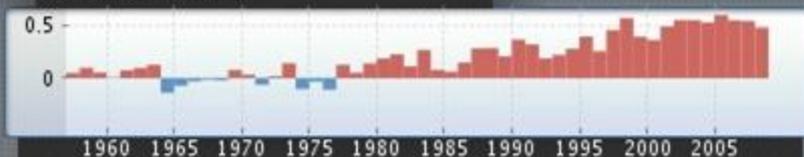
# Global Climate Dashboard

Climate Change

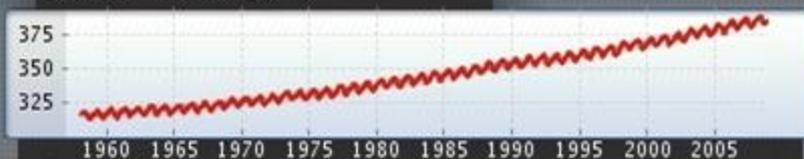
Climate Variability

Adjust the sliders to view different time periods.  
1957  2008  
Click any graph for more information.

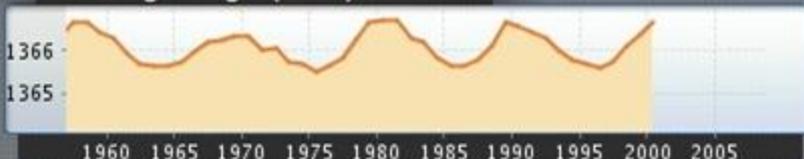
Temperature (C)



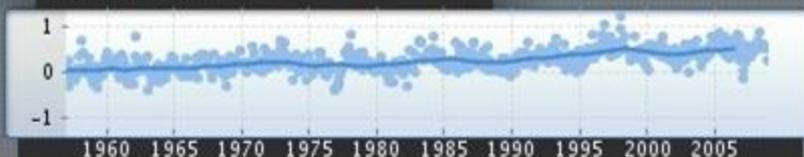
Carbon Dioxide (ppm)



Incoming Sunlight (W/m<sup>2</sup>)



Sea Level (ft)



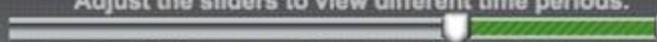
Arctic Sea Ice (annual min. in million km<sup>2</sup>)



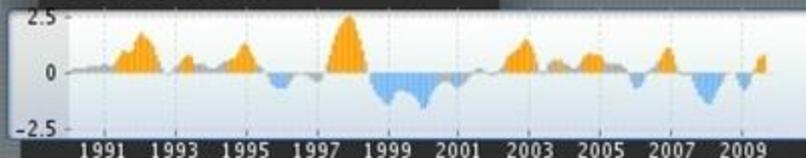
# Global Climate Dashboard

Climate Change

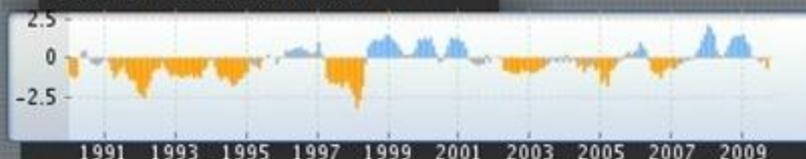
Climate Variability

Adjust the sliders to view different time periods.  
1990  2009  
Click any graph for more information.

Oceanic Niño Index



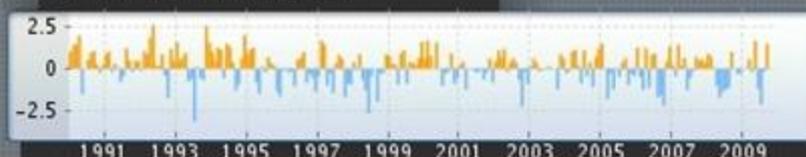
Southern Oscillation Index



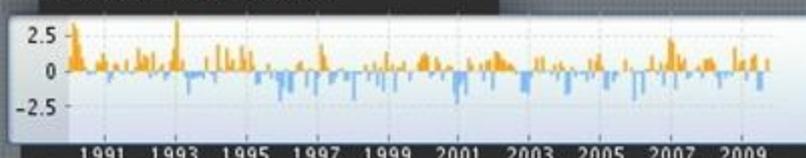
Pacific-North America Pattern



North Atlantic Oscillation



Arctic Oscillation Index





# NOAA CLIMATE SERVICES

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

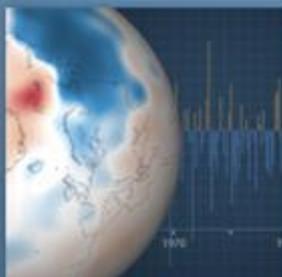
Development Prototype



Explore:

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## 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 ▶

[Daily](#) » [Monthly](#) » [Seasonal](#)

### 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.

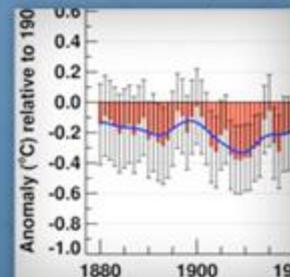
## Climate & You ▶



### 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.

## Global Climate Dashboard

**Climate Change****Climate Variability**

Adjust the sliders to view different time periods.

1950 2008

Click any graph for more information.

**Temperature (C)**

0.5

**Past  
Weather**

City, State or Zip

02-01-2010

**Lookup**

## News

Tom Karl, Director of NOAA's National Climatic Data Center