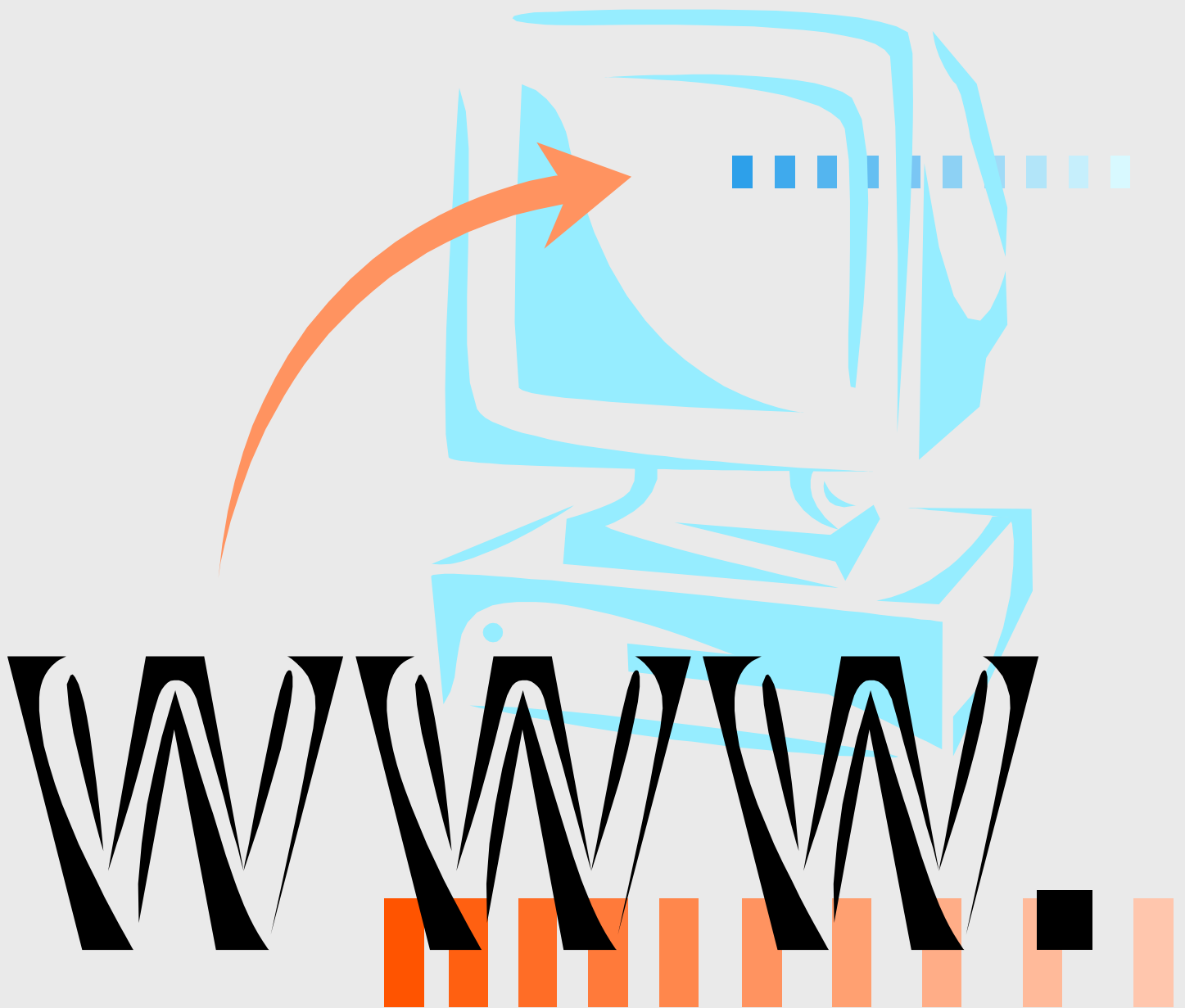


# National Climatic Data Center

## EDUCATIONAL RESOURCES AVAILABLE ON THE INTERNET



NOAA's National Climatic Data Center  
Veach-Baley Federal Building  
151 Patton Avenue  
Asheville, NC 28801-5001

# Data Access for Educators

The National Climatic Data Center provides access to all of the on-line data at no cost to users with **.k12**, **.edu**, **.gov** or **.mil** domains. There are limits as to how much data may be downloaded in each session.

**For information on free access, go to:**

<http://oa/about/ncdchelp.html>.

The free access is granted and the on-line data access policy reviewed.



**products include, but are not limited to:**

- Monthly weather data summaries for a range of sites
- Historical weather maps
- National Weather Service bulletins or observations (in raw format)
- Hourly Precipitation data for a range of sites
- NEXRAD data in both map form and in raw data
- Archived GOES satellite imagery
- CO-Op weather station (raw data)



**For more information, contact:**

NCDC-outreach@noaa.gov or call  
828-271-4800.

# NOAA National Data Centers (NNDC) Climatic Data Online (CDO)

## Online Data Access Policy



## General Statement

Due to various **Federal Laws and Regulations**, NNDC is required to charge for some of its online data to recover the cost of data dissemination. This includes hardware and personnel costs incurred by each Data Center. Charges are required for most domains (e.g., .com, .org, .net). All online data are now free for all .gov, .edu, .k12, .mil, and a few other specific domains. Please see NNDC's Free Data Distribution Statement (PDF Format) for further information on our FREE data policy. For information on how free access is granted via our web systems, please visit the Free Access section of the NCDC help page at:

<http://www.ncdc.noaa.gov/oa/about/ncdchelp.html#FREE>

Questions/Comments can be directed to:  
[nndc.webmaster@noaa.gov](mailto:nndc.webmaster@noaa.gov)

## NOTICE TO ACADEMIC USERS

We provide free data access for .edu domains. We have also expanded the free access to include .k12.xx.us users. Please continue to provide information on your data usage via the NNDC Feedback Page. Thank you for your interest and usage of our system.

# NNDC Climate Data Online

How cold is it in Antarctica? How hot is it in the Sahara Desert? Visually “see” climate data graphically using the **National Climatic Data Center (NCDC)** System. This is an interactive visualization program that permits NCDC users to view climate information via the internet. This graphical interface system is a useful tool to anyone researching climatology or meteorology. The system package allows the user to choose a city from over 10,000 locations worldwide. It will allow the user to compare the climate at various cities around the globe or to observe and study how the climate varies at any city over long periods of time. This most popular on-line system simply requires the user to step through the data and graphing feature selection process to visually browse the data. Go to the **NCDC Home Page** (<http://www.ncdc.noaa.gov>) and click on “Free Data”, it will take the user to “Most Popular Products” Various weather parameters can be viewed as time series graphs. This program will also allow the user to plot U.S. Climate Divisional data over an area to observe how a desktop publishing weather system affects a state or region. After the graphics session, the data can be downloaded from the image. Any data on this system can be accessed at no cost.



## Most Popular Products

Most Popular Products - Free Data - Windows Internet Explorer

http://www.ncdc.noaa.gov/oa/mpp/freedata.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

### Most Popular Products

Most Requested   Publications   Digital Files   RADAR   CD-ROMs/DVDs   Free Data   Subscriptions

Find a Station   Inventories   Satellite Data   Modelled Data   Paleoclimatology   Monitoring   Extremes/E

Free Data - note that free items are indicated by "**FREE**" in item descriptions below.

**A few things to keep in mind while you are here...**

1. Online access is free for .gov, .edu, .mil, k12 and other selected domains and many products listed here are free for *all* users. See the **Free Access** section of the **NCDC Help** page for detailed information.
2. Period of record shown indicates period of data available online. The period of record for the complete data set may vary and is dependent on the desired location. Data prior to the period of record indicated may be available. The NCDC archives contain data as far back as the 1800's for certain data types and locations. Contact the **NCDC** for availability, pricing and ordering information.
3. Any data product ordered from NCDC may be certified for accuracy by the user's community.

start   Inbox for John...   Educational Res...   Most Popular Pr...   10:27 AM

Click "Free Data J", Global Summary of Day

Click “**I Agree to These Terms (continue)**” at the bottom of **WMO Resolution 40 NOAA Policy**

NOAA: WMO Resolution 40 - Windows Internet Explorer

http://www.ncdc.noaa.gov/cgi-bin/res40.pl?page=gsod.html

NOAA: WMO Resolution 40

[NCDC](#) / [Climate Resources](#) / [Get/View Data](#) / [WMO Resolution 40](#) / [Search](#) / [Help](#)

## WMO Resolution 40 NOAA Policy

The following data and products may have conditions placed on their international commercial use. They can be used within the U.S. or for non-commercial international activities without restriction. The non-U.S. data cannot be redistributed for commercial purposes. Re-distribution of these data by others must provide this same notification. A log of IP addresses accessing these data and products will be maintained and may be made available to data providers.

For details, please consult:

<http://www.wmo.ch/web/www/DPS/RA%20VI%20WG%20Commercialization%202001.htm>

Cancel (return to previous page)    I Agree to These Terms (continue)

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Click “Interactive Selection / Graphing”

Global Surface Summary of Day - Windows Internet Explorer

http://www.ncdc.noaa.gov/cgi-bin/res40.pl

Global Surface Summary of Day

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

National Climatic Data Center  
U.S. Department of Commerce

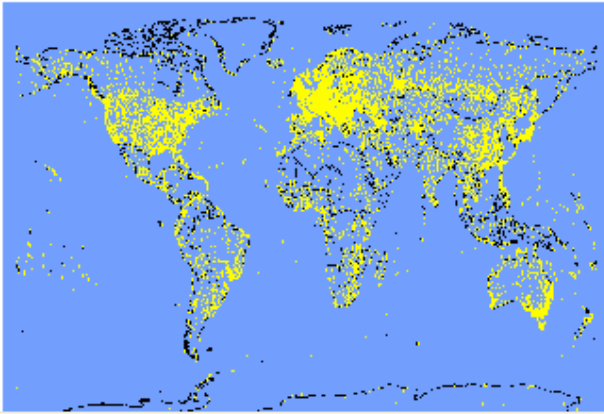
DOC > NOAA > NESDIS > NCDC

Keyword(s), City, Station Name

Search NCDC

## Global Surface Summary of Day

Version 8 - Over 9000 Worldwide Stations - Updated Daily



- [Important Notes](#)
- [Informational Files](#)
- [Data Files \(Current\)](#)
- [Data Files \(All Years\)](#)
- [Data Files \(Severe Events\)](#)
- [Map of Station Locations](#)
- [Uncompression Software](#)
- [Anonymous FTP Instructions](#)
- [Details/Format](#)
- [Interactive Selection/Graphing](#)

start

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10:34 AM

Select Country, Enter “United States”  
then click “Continue”

Climate Data Online Summary - Windows internet Explorer

http://cdo.ncdc.noaa.gov/CDO/redirector?datasetabbv=G5OD&countryabbv=US

Climate Data Online Summary

[Land-Based Data](#) / [NNDC CDO](#) / [Product Search](#) / [Help](#)

## NNDC CLIMATE DATA ONLINE

### Global Summary of the Day (GSOD)

Retrieve data for:

- Worldwide
- Geographic Region
- Country
- Station Range ( IDs):  to

start | Inbox for... | Educatio... | Climate D... | 2 Paint | 10:35 AM



Click “Selected United States”  
Enter “North Carolina”

Click “Selected Stations in the State”

Click “Continue”

Climate Data Online Summary - Windows Internet Explorer

http://cdo.ncdc.noaa.gov/CDO/cdogetsquery.cmd

Climate Data Online Summary

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

Keyword(s), City, Station Name Search NCDC

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**Global Summary of the Day (GSOD)**

Retrieve data for:

Selected UNITED STATES stations - Note: may be slow to load station list on next page

Or select a State / Province

and retrieve for

Entire State

Selected Stations in the state

start | Inbox for... | Educatio... | Climate D... | 3 Paint | 10:36 AM

Click "Asheville Regional Airport"

Click "Continue"

Climate Data Online Summary - Windows Internet Explorer

http://cdo.ncdc.noaa.gov/CDO/cdosubqueryrouter.cmd

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National Climatic Data Center  
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Keyword(s), City, Station Name Search NCDC

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### Global Summary of the Day (GSOD)

Selected NORTH CAROLINA stations - Note: may be slow to load station list on next page

Select Stations:

AHOSKIE.....	72307999999	01/1999	to	01/2007	▲
ALBEMARLE.....	72214899999	05/2004	to	01/2007	■
ANDREWS AIRPORT.....	72217799999	05/2004	to	01/2007	
ANDREWS.....	72304899999	01/1999	to	05/2001	
ASHEBORO MUNI.....	74693599999	08/2001	to	01/2007	
ASHEBORO.....	74693499999	01/1999	to	07/1999	
ASHEVILLE AIRPORT.....	99999903812	01/1948	to	12/1972	
ASHEVILLE REGIONAL ARPT.....	72315003812	01/1973	to	01/2007	■
BEAUFORT/SMITH FLD.....	72303799999	07/2001	to	01/2007	
BOGUE FIELD MCAF.....	72309793743	05/1987	to	07/2005	
BOGUE FIELD MCAF.....	99999993743	10/1980	to	12/1980	▼

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**Select "Use Date Range"**  
**From 2001 01 01 to 2006 01 01**  
year month day

Climate Data Online Marine Summary - Windows Internet Explorer

http://cdo.ncdc.noaa.gov/CDO/cdodateoutmod.cmd

NOAA Satellite and Information Service  
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National Climatic Data Center  
U.S. Department of Commerce

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Keyword(s), City, Station Name Search NCDC

Land-Based Data / NND CDO / Product Search / Help

**Global Summary of the Day (gsod)**

**Select Date Restrictions:**

Use Date Range <== OR ==>  Use Selected Dates \*

	Year	Month	Day
From	2001	01	01
To	2006	01	01

Year	Month	Day
1973	01	01
1974	02	02
1975	03	03
1976	04	04
1977	05	05
1978	06	06
1979	07	07
1980	08	08
1981	09	09
1982	10	10

Climate Data Online Marine Summary - Windows Internet Explorer

http://cdo.ncdc.noaa.gov/CDO/cdodateoutmod.cmd

NOAA Satellite and Information Service  
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Keyword(s), City, Station Name Search NCDC

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**Global Summary of the Day (gsod)**

**Select Date Restrictions:**

Use Date Range <== OR ==>  Use Selected Dates \*

	Year	Month	Day
From	2001	01	01
To	2006	01	01

Year	Month	Day
1973	01	01
1974	02	02
1975	03	03
1976	04	04
1977	05	05
1978	06	06
1979	07	07
1980	08	08
1981	09	09
1982	10	10

Tabular Data Output Graphical Output

**Select Variable for Graphing:**  
Temperature

If multiple stations were selected only one will be graphed.

**Select Output Media:**  
FTP

**Check "Graphical Output"**  
**Select Variable**  
**"Temperature" for graphing, then**  
**"Continue"**

