

Proceedings of the 8th Annual Federal Depository Library Conference April 12 - 15, 1999

National Climatic Data Center

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Department of Commerce Organization Chart
U.S. Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
National Environmental Satellite, Data, and Information Service
National Geophysical Data Center
National Oceanographic Data Center
National Climatic Data Center

Mission

Archive, Access & Describe
Manage Global Environmental Data

Acquire / Ingest

- * Access
- * Archive
- * Standards
- * Certify
- * Quality Control
- * Analyze

National Partners

- * NASA
- * DOD
- * EPA
- * USDA
- * DOE
- * DOS
- * DOT / FAA
- * USGCRP
- * NSF

- * DOI / USGS
- * NOAA (NOS, NWS, NMFS)

International Partners

- * World Meteorological Organization
- * International Council of Scientific Unions
- * World Data Centers
- * Bilateral Agreements
- * Intergovernmental Panel on Climate Change
- * UNESCO

Climate Data & Information

Climate Description / Reference Data Bases / Access

Scope of the Mission – National & Global

"Supporting the development of the national economy in a global environment since the mid-1900's."

All disciplines of the national economic infrastructure

Making the U.S. economically competitive

- * Consumer goods
- * Investments
- * Communications
- * Construction
- * Aviation
- * Transportation
- * Agriculture
- * Energy
- * Insurance & Reinsurance

National Security

Policy

Sustainable development

Applications of NCDC Data by Industry Group

Consulting Meteorologist - Provide expert testimony in court

Legal - Evidence in court cases

Insurance Industry - Rate determination, claims settlement

Individual - Use in recreation, retirement, entertainment, vacations

Engineering - Provide guidance in the design and construction of facilities / infrastructure

Business - Sales impact, site relocation, environmental impacts

NOAA / Government - Research, investigations, legal, claims, risk management, policy guidance/support, etc.

Research - Environmental issues, science studies, weather prediction, etc.

Digital Data Archive

NCDC's digital holdings would fill 1,000,000 CD-ROMs

- * 60 times the volume of data held by the Library of Congress, or

- * a stack of CDs equal to the height of five Empire State buildings

Non-Digital Data Archive

Manuscript/Autograph

200 Million pages = 37,878 miles (1.5 times around the earth)

35mm & 16mm Film

125,129 rolls = 2,340 miles

(Washington to Los Angeles)

Microfiche

1.2 million pages = 114 miles

(Washington to Philadelphia)

Depository Library Program

All Government agencies are required to participate under U.S. Code Title 44 - Public Printing and Documents

Chapter 19 - Depository Library Program

Section 1901. "Government Publication" means informational matter which is published as an individual document at Government expense, or as required by law

Section 1902. Government Publications, except those determined by their issuing components to be required for official use only or for strictly administrative or operational

purposes which have no public interest or educational value and publications classified for reasons of national security, shall be made available to depository libraries through the facilities of the Superintendent of Documents for public information

NCDC furnishes copies of all serial publications

- * Climatological Data (45 states, some combined)
- * Local Climatological Data (270 cities)
- * Hourly Precipitation Data (44 states, some combined)
- * Storm Data (all states in one issue)
- * Monthly Climatic Data for the World (all countries in one issue)

Also NCDC Data sets on CD-ROMs

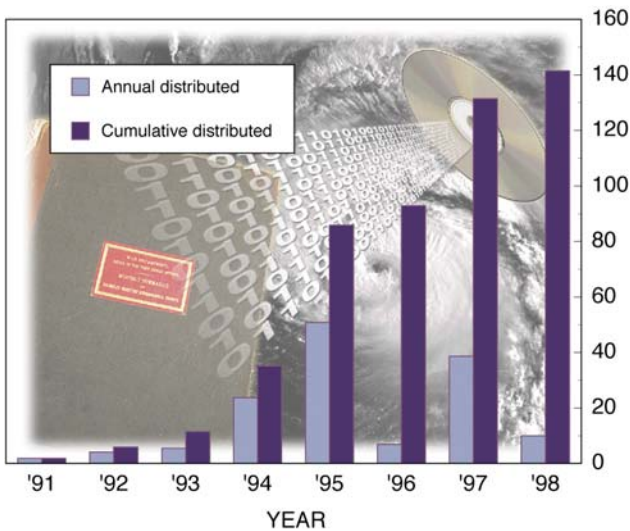
Copies distributed initially in paper form

In the mid 80's some libraries accepted microfiche

Climatological CD-ROMs

Quantity of climatological data distributed On CD-ROMs

(terabytes)



NCDC CD-ROMs

CLIVUE

Coastal Marine Automated Network Station and Buoy Reports and Summaries

Global Climate Normals 1961-1990

Global Daily Summary

Global Historic Fields Version 1.0

Global Tropical and Extratropical Cyclone Climatic Atlas Version 2.0

Global Upper Air Climatic Atlas

Hourly U.S. Weather Observations 1990-1995

International Surface Weather Observations

International Station Meteorological Climate Summary Version 4.0

MM4 Meteorological Data

NCDC Cooperative Station Data

NOAA Weather Charts

National Climatic Data Center Periodical Publications

Polar Ice

Probabilities of Temperature Extremes in the USA Version 1.0

Radiosonde Data of North America 1946-1996

Solar and Meteorological Surface Observational Network

The Maury Collection, Global Ship Observations 1792-1910

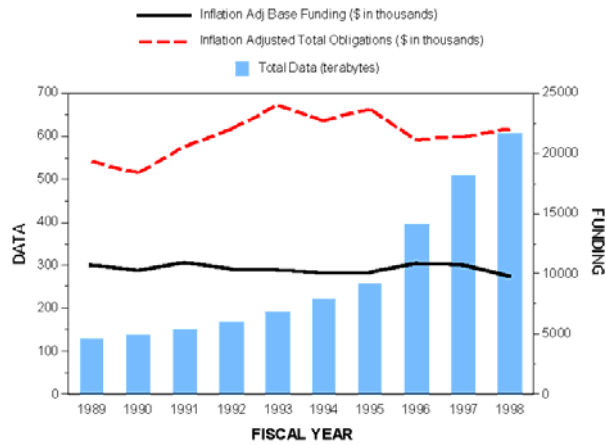
Time Series of Global Monthly Vegetation Cover from NOAA/AVHRR 1985-1997

U.S. Divisional and Station Climatic Data and Normals Version 1.0

U.S. Navy Marine Climatic Atlas of the World Version 1.1

United States Snow Climatology

Funding versus Data



NOAA FUNDING

Depository Library Program

No funding for this service.

Copies of publications requested by nearly 600 depository libraries, the Government Printing Office, the NOAA Central Library and the Library of Congress.

Last year's printing costs were nearly \$31K.

Last year's mail costs were nearly \$30K.

Starting with FY 1998, to lessen strain on our budget:

- * Copies of all serial publications are now distributed on one CD-ROM every quarter
- * Serial publications are made available on-line via NOAA National Data Centers On-line Store <http://www.nndc.noaa.gov/phase3/productacm.htm>
- * Passwords have been provided to libraries for access to all publications prior to quarterly CD-ROM shipments
- * NCDC's cost of mastering and set up for each CD-ROM is approximately \$1.3K (less for quarterly CD-ROMs)
- * GPO covers cost of CD-ROM duplication for libraries.