

1999
Newly Available Agency
Data Sets
that are significantly
Global Change Related

Data Management Working Group
of the CENR's
Subcommittee on Global
Change Research

Table of Contents

INTRODUCTION	1
INTERAGENCY DATA	2
<u>NASA - DOE OAK RIDGE NATIONAL LABORATORY DAAC</u>	2
<u>NASA - NSF NATIONAL SNOW AND ICE DAAC</u>	3
<u>NASA - USGS EROS DAAC</u>	3
<u>NOAA - NSF</u>	3
<u>USGS - EPA</u>	4
<u>USGS - EPA - NOAA - USFS</u>	4
<u>USGS -NSF</u>	4
<u>USGS – USFS – NPS – USDOT - AND OTHERS</u>	4
DEPARTMENT OF AGRICULTURE.....	5
<u>AGRICULTURAL RESEARCH SERVICE</u>	5
DEPARTMENT OF COMMERCE	7
<u>NOAA NATIONAL ENVIRONMENTAL SATELLITE DATA AND INFORMATION SERVICE</u>	7
<i>Library and Information Division</i>	7
<i>National Oceanographic Data Center</i>	10
<i>National Climatic Data Center</i>	14
<i>National Geophysical Data Center</i>	14
<i>National Geophysical Data Center - National Snow and Ice Data Center</i>	16
<i>National Ocean Service</i>	17
<i>National Ocean Service - Coastal Services Center</i>	18
DEPARTMENT OF ENERGY.....	34
<u>ATMOSPHERIC RADIATION MEASUREMENT PROGRAM</u>	34
<u>ENERGY INFORMATION ADMINISTRATION</u>	38
<u>CARBON DIOXIDE INFORMATION ANALYSIS CENTER</u>	38
DEPARTMENT OF THE INTERIOR	40
<u>U.S. GEOLOGICAL SURVEY</u>	40
<i>EROS Data Center</i>	41
<i>USGS - Pacific Gas and Electric Company</i>	42
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.....	43
<u>GODDARD INSTITUTE FOR SPACE STUDIES</u>	43
<u>GODDARD SPACE FLIGHT CENTER</u>	43
<u>JET PROPULSION LABORATORY</u>	45
<u>LANGLEY RESEARCH CENTER</u>	46
<u>MARSHALL SPACE FLIGHT CENTER</u>	48
<u>NASA EARTH SCIENCE INFORMATION PARTNERS (ESIP)</u>	50
NATIONAL SCIENCE FOUNDATION	54
<u>UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH</u>	54
<u>NATIONAL CENTER FOR ATMOSPHERIC RESEARCH</u>	54
<u>NATIONAL SNOW AND ICE DATA CENTER</u>	55
<u>UNIVERSITIES</u>	56

Introduction

Since its inception, the U.S. Global Change Research Program has had the policy of full and open data availability. This policy has already been implemented not only through the participating agencies but through many inter-agency mechanisms such as publications, Internet based services, and in many international settings.

This second of a series of yearly publications represents another important step in this interagency process of making the data and information from the Global Change Research Program available. It is particularly needed at this time since the users of this data and information have expanded from being primarily researchers to being a full mix that also includes educators, those making assessments of potential effects of global change, the commercial world, and the public as well as policy makers at all levels. One of this publication's objectives is to provide this diverse user community with a concise summary of what data has been cataloged and made newly available each year. This is being done in both this published form and in the Global Change Data and Information System on the Internet(www.gedis.usgcrp.gov) with links to each data set, where available. Other objectives, however, are also important. These include giving recognition to the individuals and organizations who have done the important job of making the data available and providing a mechanism where the data sets used in a publication or assessment can be cited similarly to the citations now commonly used in publications to reference other publications.

To help the user of this publication to understand what is and what is not included, the guidelines to the agencies for the data set citations in this publication are below:

1. Only data sets made newly available in 1999 will be included in the data set list. The data sets listed will include those from observations, the merging of multiple data sets, and produced by models.
2. All data sets developed with agency Global Change Research funding, plus those other data sets believed by the agency to be able to significantly contribute to the Global Change program, will be included.
3. Each data set listed will be given in the form of a citation with:
Name(s) of the individual(s) with primary intellectual responsibility for the data set's development,
Name of the data set,
Organization from which the data set is available,
Month and year that the data set was made available.
The data set's URL, if available.

Interagency Data

NASA - DOE Oak Ridge National Laboratory DAAC

Aber, J.D. Accelerated Canopy Chemistry Program. *Oak Ridge National Laboratory/Distributed Active Archive Center*, 1999.

(http://www-eosdis.ornl.gov/campaign_documents/accp_pro.html)

(A collection of data sets)

Boreal Ecosystem-Atmosphere Study (BOREAS). Selected Data and Imagery. *Oak Ridge National Laboratory/Distributed Active Archive Center*, 1999.

(http://daacl.esd.ornl.gov/BOREAS/boreas_home_page.html)

(A collection of data sets, totaling 235 to date)

Cramer, W. and R. Leemans. Global climate data, V 2.1. *Oak Ridge National Laboratory/Distributed Active Archive Center*, 1999.

(http://www-eosdis.ornl.gov/daacpages/global_climate.html)

(A collection of data sets)

Hulme, M. Global Precipitation Data. *Oak Ridge National Laboratory/Distributed Active Archive Center*, 1999.

(http://www-eosdis.ornl.gov/daacpages/global_climate.html)

Matthews, E. Global Inundation Data Set. *Oak Ridge National Laboratory/Distributed Active Archive Center*, 1999.

(<http://www-eosdis.ornl.gov/daacpages/hydrology.html>)

Matthews, E. Global Vegetation Data Set. *Oak Ridge National Laboratory/Distributed Active Archive Center*, 1999.

(http://www-eosdis.ornl.gov/daacpages/global_vegetation.html)

Matthews, E. Global Wetlands Data Set. *Oak Ridge National Laboratory/Distributed Active Archive Center*, 1999.

(<http://www-eosdis.ornl.gov/daacpages/hydrology.html>)

New, M., M. Hulme, and P. Jones. Global Precipitation Data. *Oak Ridge National Laboratory/Distributed Active Archive Center*, 1999.

(http://www-eosdis.ornl.gov/daacpages/global_climate.html)

(A collection of global precipitation data.)

Olson, R.J. and J.M. Scurlock. Net Primary Production (NPP). *Oak Ridge National Laboratory/Distributed Active Archive Center*, 1999.

(http://daacl.esd.ornl.gov/npp/npp_home.html)

(A collection of data sets, totaling 53 to date)

Zobler, L. A World Soil File for Global Climate Modeling. *Oak Ridge National Laboratory/Distributed Active Archive Center*, 1999.
(http://www-eosdis.ornl.gov/daacpages/global_soils.html)
(A global data set of soil properties)

NASA - NSF National Snow and Ice DAAC

Armstrong, R.L.. Historical Soviet Daily Snow Depth
[G01092]

Armstrong, R.L., W. Emery, C. Fowler, J.A. Francis, T. Haran, J. Key, S. Khalsa, and S. Jodha. Polar Pathfinder Sampler: Combined AVHRR, SMMR-SSM/I, and TOVS Time Series and Full-Resolution Samples
[NSIDC-0069]

Kahl, J.D.W., and M.C. Serreze. Daily Arctic Ocean Rawinsonde Data from Soviet Drifting Ice Stations
[NSIDC-0060]

Knowles, K.W.. EASE-Grid Global Land Cover Characterization [NSIDC-0062]

Serreze, M.C. and S.D. Woodruff. Comprehensive Ocean - Atmosphere Data Set (COADS) LMRF Arctic Subset
[NSIDC-0057]

NASA - USGS EROS DAAC

Thompson, R.J., and Darrel W. Williams. Landsat-7 Satellite Data. *USGS EROS Data Center*, 1999
(<http://landsat7.usgs.gov/>)

NOAA - NSF

Jenne, R., Shih, C. and D. Joseph. NCEP/NCAR Global Atmospheric Reanalysis 1948-1999. *National Center for Atmospheric Research and various NOAA Centers*. 1999.
(<http://www.scd.ucar.edu/dss/pub/reanalysis/index.html>)

Hahn, C.J., and S.G. Warren. Extended Edited Synoptic Cloud Reports from Ships and Land Stations Over the Globe, 1952-1996. NDP026C, *Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory, Oak Ridge, TN.* August 1999.
(<http://cdiac.esd.ornl.gov/epubs/ndp/ndp026c/ndp026c.html>)

NOAA - NSF Comprehensive Ocean-Atmosphere Data Set, COADS. *NOAA/NSF-COADS.* June 1999.
(<http://www.cdc.noaa.gov/coads/>)
(marine surface data update and extension for years 1980-1997)

USGS - EPA

Missouri River InfoLINK A Clearinghouse of Missouri River Information. *USGS Columbia Environmental Research Center, 1999*
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USGS - EPA - NOAA - USFS

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USGS -NSF

Hallam, Cheryl. Atlas of Antarctic Research. *USGS, 1999*
(http://usarc.usgs.gov/antarctic_atlas/)

USGS – USFS – NPS – USDOT - and Others

USGS, USFS, NPS, USDOT, and Others. Digital Atlas of the Greater Yellowstone (area surrounding Yellowstone National Park). 1999
(<http://sun1.giac.montana.edu/gyadc/>)

Department of Agriculture

Agricultural Research Service

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Department of Commerce

NOAA National Environmental Satellite Data and Information Service

Library and Information Division

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Daily Surface Weather and Monthly and Annual Lead Output and Growing condition of Cotton for China(1896-1916). *NOAA/NESDIS/NODC/LISD/*. 1999.

Daily Surface Weather and Monthly Commerce For China (1924-1925). *NOAA/NESDIS/NODC/LISD/*. 1999.

Daily Surface Weather and Monthly Imports and Exports For China (1920 - 1922). *NOAA/NESDIS/NODC/LISD/*. 1999.

Daily Surface Weather and Monthly imports and exports for China (1925 - 1926). *NOAA/NESDIS/NODC/LISD/*. 1999.

Daily Surface Weather for China (1923-1924). *NOAA/NESDIS/NODC/LISD/*. 1999.

Daily Surface Weather, Agriculture, and Commerce for China (1922 -1923). *NOAA/NESDIS/NODC/LISD/*. 1999.

Daily, Five-day, and Monthly Surface Weather for Osaka, Japan for the year 1913. *NOAA/NESDIS/NODC/LISD/*. 1999.

Daily, Monthly, and Annual Surface Weather for Guangdong Province, China(1912-1921). *NOAA/NESDIS/NODC/LISD/*. 1999.

Daily, Monthly, and Annual Weather, Geology, Commerce and Agriculture for China(1911-1919). *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly and Daily Surface Weather and Magnetic Declination and Inclination for Japan(1882-1885). *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly and Daily Surface Weather for Japan(1882-1885). *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly Declination and Monthly Sunshine, Cloudiness, and Visibility for Donnersburg and Tellnitz, Czechoslovakia (1930-1933). *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, and Monthly Magnetic Declination, and Hourly Ultraviolet Radiation, Cloudiness, Precipitation, and Sunshine for Czechoslovakia (1932-1936). *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, and Monthly Oceanographic Observations and the surface weather for the Sea Southward of Japan, the sea eastward of Honsyu, and tropical region in the western part of the North Pacific(1925-1928). *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, and Monthly Surface Weather for Osaka, Japan in 1920. *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Five-day, and Monthly Surface Weather for Osaka, Japan for the year 1931. *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Five-day, and Monthly Surface Weather for Osaka, Japan (1933-1935). *NOAA/NESDIS/NODC/LISD/*, 1999.

Hourly, Daily, Five-Day, and Monthly Surface Weather for Osaka, Japan for the year 1932. *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Five-day, Monthly Surface Weather for Osaka, Japan (1928-1930). *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Five-Day, Monthly, and Annual Surface Weather for Osaka, Japan(1898-1909). *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Five-Day, Monthly, and Annual Surface Weather for Osaka, Japan(1898-1909). *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Five-days, Monthly, and Annual Surface Weather for Osaka for the Year 1927. *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Monthly, and Annual Oceanographic Observations and Surface Weather for Japan for the Year 1926. *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Monthly, and Annual Surface Weather for Osaka for the Year 1923. *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Monthly, and Annual Surface Weather for Osaka, Japan(1914 -1919). *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Monthly, and Annual Surface Weather for Osaka, Japan in 1922. *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Monthly, and Annual Surface Weather, Livestock and Land Statistics for China (1916-1917). *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Monthly, and Seasonal Surface Weather for Czechoslovakia (1928-1929). *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Monthly, Seasonal, and Annual Oceanographic Observations and Surface Weather for Japan for the Year 1925. *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Monthly, Seasonal, and Annual Oceanographic Observations and Surface Weather for North Pacific Ocean for 1927. *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Monthly, Seasonal, and Annual Surface Weather for Osaka, Japan for the Year 1908. *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Monthly, Seasonal, and Annual Surface Weather for Osaka, Japan for the Year 1910. *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Monthly, Seasonal, and Annual Surface Weather for Osaka, Japan(1911-1912). *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Monthly, Seasonal, and Annual Surface Weather for Osaka, Japan(1913-1915). *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Monthly, Seasonal, and Annual Surface Weather for Osaka, Japan(1916-1920). *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Monthly, Seasonal, and Annual Surface Weather for Osaka, Japan for the Year 1921. *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Monthly, Seasonal, and Annual Surface Weather For Osaka, Japan For 1922. *NOAA/NESDIS/NODC/LISD/*, 1999.

Hourly, Daily, Monthly, Seasonal, and Annual Surface Weather For Osaka, Japan For the Years of 1923 and 1924. *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Monthly, Seasonal, and Annual Surface Weather for Osaka, Japan for the Year 1930, 1932,1934. *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Monthly, Seasonal, and Annual Surface Weather for Osaka, Japan (1928-1929). *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Monthly, Seasonal, and Annual Surface Weather for Jinsen, Korea in 1937. *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Daily, Monthly, Seasonal, and Annual Weather, Geology, Commerce and Agriculture for China(1919-1920). *NOAA/NESDIS/NODC/LISD/*. 1999.

Hourly, Monthly, and Annual Surface Weather for Osaka, Japan(1917-1927). *NOAA/NESDIS/NODC/LISD/*. 1999.

Long-Term Average Monthly and Seasonal Temperature, Pressure, Precipitation, and Lake. *NOAA/NESDIS/NODC/LISD/*. 1999.

Long-Term Average Monthly Mean Precipitation for Berlin, Germany (1728-1890). *NOAA/NESDIS/NODC/LISD/*. 1999.

Monthly Air Temperature For Japan (1926-1935). *NOAA/NESDIS/NODC/LISD/*., 1999.

Monthly and Annual Surface Weather for Japan (1891 - 1910). *NOAA/NESDIS/NODC/LISD/*. 1999.

Monthly and Annual Surface Weather for Japan for the Year 1916. *NOAA/NESDIS/NODC/LISD/*. 1999.

Monthly and Annual Surface Weather for Palestine and Transjordan (1930-1938). *NOAA/NESDIS/NODC/LISD/*. 1999.

Monthly Precipitation and Air Temperature for Nanjing, China (1905-1928). *NOAA/NESDIS/NODC/LISD/*. 1999.

Monthly Surface Weather for Japan (1886-1945). *NOAA/NESDIS/NODC/LISD/*. 1999.

Monthly Winds, Cyclones, Anticyclones, and Sunshine for Innsbruck, Austria (1905-1906). *NOAA/NESDIS/NODC/LISD/*. 1999.

Seasonal Oceanographic Observation for the Sea Southward of Japan, the sea eastward of Honsyu, and tropical region in the western part of the North Pacific (1925-1927). *NOAA/NESDIS/NODC/LISD/*. 1999.

National Oceanographic Data Center

CoastWatch Retrospective Data Sets. *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Benthic Organisms (F132) Data (1971 -1976) Data. *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Coastal Current Meter (Resultants) (F005) Data (1972-1993). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Coastal Ocean Wave and Current (F181) Data from the Atlantic Remote Sensing Land/Ocean Experiment (ARSLOE) (1980).
NOAA/NESDIS/NODC, 1999.

NODC Standard Format Current Meter (Components) (F015) Data (1962-present).
NOAA/NESDIS/NODC, 1999.

NODC Standard Format Daily Sea Level (F185) Data from the Atlantic, Pacific and Indian Oceans (1901-present). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Drifting Buoy (F156) Data (1975 - Present).
NOAA/NESDIS/NODC, 1999.

NODC Standard Format Herring Survey Population Density and Distribution (F057) Data (1976-1977). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format High Resolution Conductivity/Salinity Temperature Depth (CTD/STD) (F022) Data (1969 - present). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Hourly Sea Level (F184) Data from the Atlantic, Pacific and Indian Oceans (1901-present). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Intertidal Organisms and Habitats (F030) Data (1974-1980) via the NNDC Server online database project. *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Intertidal Organisms and Habitats (F030) Data (1974-1980).
NOAA/NESDIS/NODC, 1999.

NODC Standard Format Intertidal/Subtidal (F100) Data (1974-1980).
NOAA/NESDIS/NODC, 1999.

NODC Standard Format Marine Bacteria (F009) Data (1975-1979).
NOAA/NESDIS/NODC, 1999.

NODC Standard Format Marine Birds from Coastal Alaska and Puget Sound Data (1974-1982): Specimen and Feeding Studies (F031). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Marine Birds from Coastal Alaska and Puget Sound Data (1974-1982): Marine Bird Sighting, Ship/Aircraft Census (F033).
NOAA/NESDIS/NODC, 1999.

NODC Standard Format Marine Birds from Coastal Alaska and Puget Sound Data (1974-1982): Marine Bird Sighting, Land Census (F034). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Marine Birds from Coastal Alaska and Puget Sound Data (1974-1982): Feeding Flock (F037). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Marine Birds from Coastal Alaska and Puget Sound Data (1974 -1982): Migratory Sea Bird Watch (F038). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Marine Birds from Coastal Alaska and Puget Sound Data (1974 -1982): Marine Bird Habitats (F040). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Marine Birds from Coastal Alaska and Puget Sound Data (1974 -1982): Marine Bird Surveys (F041). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Marine Chemistry from In-Situ Samples (F069) Data (1974 - 1982) via the NNDC Server online database project. *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Marine Chemistry from In-Situ Samples (F069) Data (1974 - 1982). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Marine Fish and Shellfish Surveys (F123) Data (1948 -1983). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Marine Mammals of Coastal Alaska Data (1976-1991): Marine Mammal Specimens (F025). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Marine Mammals of Coastal Alaska Data (1976-1991): Marine Mammal Sighting 2 (F026). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Marine Mammals of Coastal Alaska Data (1976-1991): Sighting and Census (F127). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Marine Toxic Substances and Pollutants (F144) Data (1965 - 1989). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Marine Zooplankton (F124) Data (1965 -1983). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Meteorological and Oceanographic (F192) Data from the Gulf Offshore Weather Observing Network (GOWON) (1981 -1982). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Meteorology, Oceanography, and Wave Spectra Data from Buoys (F291). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Meteorology, Oceanography, and Wave Spectra Data from Buoys (F291) (1970-present). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Microbiological Degradation (F059) Data (1973 -1980). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Monthly Sea Level (F186) Data from the Atlantic, Pacific and Indian Oceans (1901-present). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format NOS Coastal Wave Program (F182) Data (1979-1983). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Ocean Temperature Profile (C116/C118) Data from Expendable Bathythermographs (XBT) (1965-present). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Ocean Wind Time Series from Buoys (F101) Data (1976 -1984). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Oceanographic Station (C100 and C022) Data (1900-present). *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Pathology Data Sets (1973 -1980): Fin Rot (F006) Data. *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Pathology Data Sets (1973 -1980): Fish Pathology (F013) Data. *NOAA/NESDIS/NODC*, 1999.

NODC Standard Format Pathology Data Sets (1973 -1980): Marine Invertebrate Pathology (F063). *NOAA/NESDIS/NODC*, 1999.

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