



NOAA SATELLITES AND INFORMATION SERVICE

OCEANOGRAPHIC DATA CENTER ARCHIVE, ACCESS, AND ASSESSMENT

The National Requirement: The Nation requires access to quality assured data and information from ocean and coastal ecosystems that are vital to our understanding of how to manage the Nation's ocean and coasts.

NOAA's Response: NOAA Satellites and Information Service operates the National Oceanographic Data Center (NODC). Since its inception in 1961, NODC is part of NOAA's National Data Centers and has become the Nation's largest repository of publicly-available data on ocean and coastal ecosystems. NODC has collected over 20,000 data sets from oceanographic organizations world-wide, and new accessions are being added rapidly as more operational ocean observing systems come on-line around the United States and the world. One service derived from these holdings is NODC's World Ocean Database. The Database is a constantly growing compilation of millions of quality-controlled ocean observations in a common format extending back to the 1800's. The Database and derived products are some of the most frequently cited references in the earth sciences. Other data holdings at NODC include Acoustic Doppler Current Profiler Data, Argo Profiling Float data, Coastal Buoy Data, Coastal Water Temperature Guide, Global Temperature-Salinity Profile Program, Joint Archive for Sea Level, Harmful Algal Bloom Data Management System, Coral Reef Information System (CoRIS), and the Aquaculture Information Center.

NODC also works internationally, as the World Data Center for Oceanography – Silver Spring and as a partner in Intergovernmental Oceanographic Commission programs, to gain access to both historical and modern data from other nations. Fully 15 percent of oceanographic observations now come from foreign sources and are an invaluable addition to NODC's resources.

NODC operates the NOAA Central Library on behalf of all NOAA missions. The Library primarily serves as a resource for NOAA staff nationwide, but is also used by the public, other agencies and international users to access NOAA publications and information services. The Library operates a extensive suite of Internet-based information search and subscription services to reach NOAA employees across the country and supports services to network of 30 libraries for walk-in services located at NOAA facilities nationwide.

Partners and Customers: NODC and Library services are available worldwide through Internet portals and distribution on CD-ROM, DVD diskettes, and publications. The majority of data services are through the Internet, serving over one million accesses per year. In addition to data exchanges with academic and governmental oceanographic institutions throughout the world, NODC currently also has collaborative efforts underway with the U.S. Naval Oceanographic Office, University of Delaware, University of Miami, Scripps Institution of Oceanography, CA; MEDS, Canada, and IFERMER, France.

Financing: The FY 2005 Budget requests \$32.521 million for Archive, Access, and Assessment and includes funds to support NODC and NOAA Library operations.

For additional information: <http://www.nodc.noaa.gov/> <http://www.lib.noaa.gov/>
and www.nesdis.noaa.gov

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