

National Oceanographic Data Center



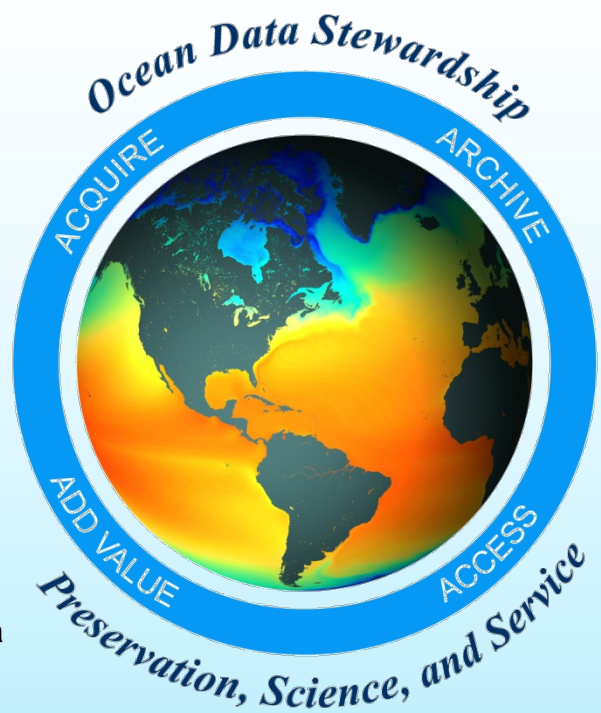
Providing scientific stewardship of marine data and information

NOAA's Ocean Data Archive

Have you ever performed a Google search on "ocean data" or "ocean temperatures"? NODC comes up first! Hundreds of thousands of people use NOAA's ocean data for research, coastal planning, business actions, commerce and transportation, or beach travel plans.

NODC Provides...

- The World's largest collection of freely available oceanographic data
- Water temperatures dating back to the late 1700's and measuring thousands of meters deep
- A "State of the Ocean Climate" from NODC's Ocean Climate Lab and Satellite Team's scientific analyses
- Scientific journals, rare books, historical photo collections and maps through the NOAA Central Library, a division of NODC
- Data management expertise including metadata training through NODC's National Coastal Data Development Center

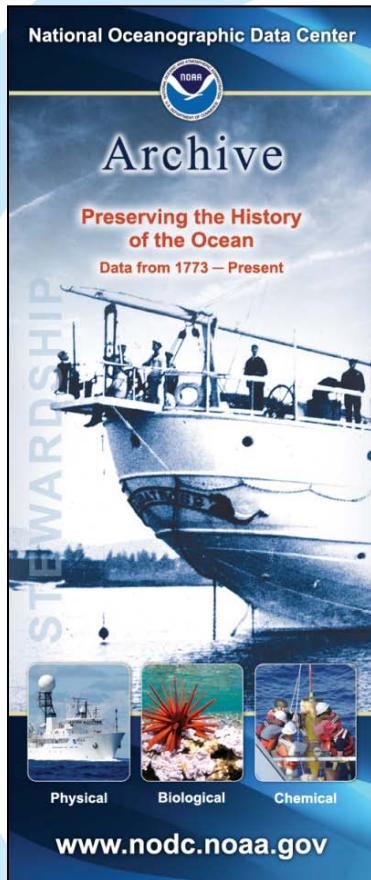


Experience Matters

For over fifty years, NODC has served the Nation with unmatched expertise in the scientific stewardship of marine data and information. NODC's unique blend of oceanographers, computer scientists, data managers, and librarians, know that good decisions are based on good data. Acquiring and archiving ocean data from all over the world and from a variety of sources, NODC provides the services and products that decision makers and researchers need. Supported by NODC's advanced technologies are people who understand that oceanographic research and observational data collected for the public's benefit, must be archived, protected, and made available to everyone. After all, today's data are the foundation for tomorrow's decisions.

NODC Supports NESDIS

NODC contributes to NESDIS-led Programs and develops tools that enable the discovery and management of NESDIS data and information



NODC participates in the development of **Ocean Climate Data Records** at NOAA.

NODC co-chairs the (CEOS) **Virtual Committee on Earth Observing Satellites Constellation for SST** and serves as the Group for High Resolution SST (GHRSSST) Long Term Stewardship and Reanalysis Facility

NODC archives **Jason-2** data and provides quality monitoring for the data flowing into the archive as well as visualization tools.

NODC manages **World Ocean Database (WOD)**, the largest collection of quality controlled *in situ* data. WOD and World Ocean Atlases of key ocean climatologies have been cited nearly 8,000 times in the scientific literature.

NODC documents how **oceans are changing**. Staff scientists were leading or contributing authors to the Intergovernmental Panel on Climate Change chapters that won a Nobel Peace Prize.

NODC's National Coastal Data Development Center (NCDDC) leads the **Gulf of Mexico Regional Collaboration Team** for all of NOAA.

NODC was recognized and awarded for work in managing and archiving **Deepwater Horizon** related data, including the Library's creation of the **DWH Institutional Repository**.

NODC supports "Weather Ready Nation" with its highly popular **NOAA Extreme Weather Information Sheets (NEWIS)**

NODC creates **collection-level metadata** for NESDIS products such as the operational ocean products produced by the Office of Satellite Products and Operations (OSPO).

NODC chairs both the Comprehensive Large Array-data Stewardship System (**CLASS**) Operations Working Group and the CLASS Operations and Planning Board.

NODC's National Coastal Data Development Center (NCDDC) created the **NOAA-Northern Gulf Institute Diversity Internship** to provide university students with real world experience and to familiarize them with NOAA staff and research efforts.