National Data Buoy Center’s Marine Observation Network

Gulf of Mexico Workshop
For
Regional Ocean Observers

January 14, 2003

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Mission Objectives

- Collect unique observations to strengthen national and international warning programs.

- Ensure safe and efficient transportation of personnel and goods.

- Provide good stewardship by taking measurements in support of environmental impact assessments.

- Monitor the ocean and atmosphere in support of space launch and calibration activities.

- Actively provide long term observation sites in accordance with climate research needs.
Marine Observation Network Components

- **Moored Coastal Ocean Buoys:**
  70 buoys off Gulf, East, West Alaska, and Hawaiian coasts and in the Great Lakes collecting meteorological and ocean data.

- **Coastal Marine Automated Network (C-MAN):**
  56 meteorological observation stations located on Gulf, East, West, and Alaskan coasts and in the Great Lakes and St. Lawrence Seaway.

- **NWS Voluntary Observing Ship (VOS) Program:**
  900 vessels routinely reporting meteorological observations.

- **Drifting Buoys and Subsurface Floats for Special Programs**

- **Facilities:**
  Stennis Space Center, MS; Sterling, VA; Duck, NC; and Kodiak, AK
Marine Observation Network
Buoy Locations
Marine Observation Network Partners

- University of South Florida
- Texas General Land Office/Texas A&M
- Field Research Facility and Coastal Hydraulics Laboratory, Army Corps of Engineers
- Gulf of Main Ocean Observing System
- Skidaway Institute of Oceanography
- Minerals Management Service
- St. Lawrence Seaway Development Corporation
- National Aeronautics and Space Administration
- National Ocean Service
- Boeing Commercial Space Company
- NOAA Research
- Phillips Petroleum
- State of Michigan
Marine Observation Network
National Data Buoy Center
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