MARACOOS works with our partner network to provide diverse, solution-driven data with purpose. Our online data products help stakeholders interested in the mission themes of MARACOOS better access federally certified data and tailor that data to specific needs.

**Ocean Data Types:**
- Biological – chlorophyll; animal tracking & abundance
- Chemical - pH, CO$_2$, dissolved oxygen
- Physical- current speed and direction; wind speed and direction; wave height, period and direction; air temperature, water temperature (at various depths); salinity; air pressure; water level

**OceansMap Data Explorer**
\[\text{oceansmap.maracoos.org}\]
OceansMap allows users to explore observations and forecast models. Users can easily filter parameters of interest and compare model and observation data both graphically and statistically. 3D model and glider data allow users to explore what is happening beneath the ocean’s surface.

**Data Products**
\[\text{maracoos.org/operations}\]
Data and model predictions can be downloaded directly from the data portal.

Educators and scientists work together to develop lesson plans utilizing MARACOOS data to explore the science of hurricanes.
MARACOOS and its partners track and study active storms impacting the East Coast. Researchers and scientists from the many MARACOOS partners use underwater gliders, drifters, buoys, models, radars, and satellite-derived data to analyze ocean dynamics and estimate flooding in the Mid-Atlantic.

Underwater Gliders: Underwater gliders monitor currents, temperature, tagged animals and other conditions that reveal effects of storms, impacts on fisheries, and water quality.

High Frequency Radar: MARACOOS partners operate 41 radars along the Mid-Atlantic Coast. These radars measure surface current direction and speed.

Satellites: MARACOOS partners operate satellite receiving stations in Delaware and New Jersey. These stations provide high resolution images from polar orbiting satellites and lower resolution images from geostationary satellites, updating every 15 minutes.

Buoys: Buoys measure air temperature, wind speed, barometric pressure, wind direction, water temperature, wave height, and currents.

Educational Resources:
maracoos.org/outreach

This site provides links to grants, newsletters, and other educational publications.

Interested in specific Mid-Atlantic ocean and coastal data or additional educational resources?
Contact Mary Ford mary@maracoos.org

Students & staff at Shields Elementary school work with MARACOOS and partners to launch a miniboat project.

Contact Information:
Mary Ford, Program Coordinator
mary@maracoos.org
302-605-2727