

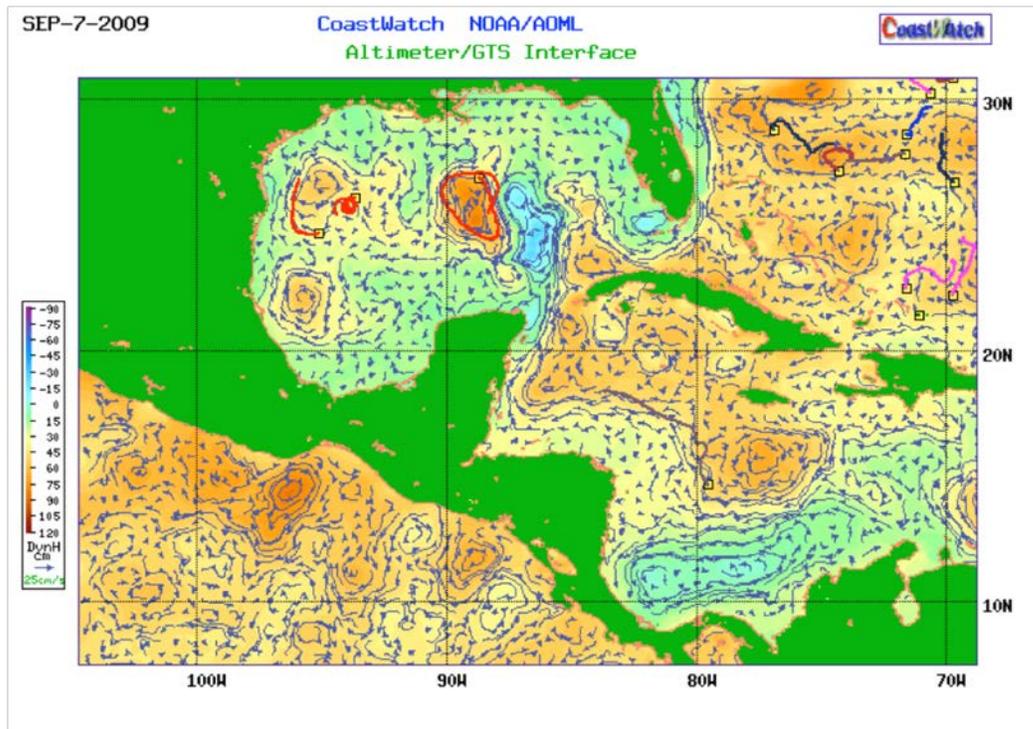
Satellite Ocean Monitoring

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PhOD distributes on its web server (www.aoml.noaa.gov/phod/satprod) several products for climate and weather studies. The data used to derive these products come from a wide array of observing platforms such as satellite-derived sea height anomaly and sea surface temperature, temperature profiles from profiling floats and expendable bathythermographs, and surface currents from drifters. Real-time global geostrophic surface currents, tropical cyclone heat potential, and long term time series of important oceanographic variables are available through the PhOD website.

CoastWatch to OceanWatch

CoastWatch is a National Oceanic and Atmospheric Administration program that provides remotely sensed satellite and other environmental data to government decision makers and academic researchers. In a collaborative effort with NOAA/NESDIS, the Caribbean/Gulf of Mexico Regional Node is hosted at NOAA/AOML. This node is one of several sites throughout the United States set up for the processing and distribution of information in near real-time. The primary data source for CoastWatch data is the Advanced Very High Resolution Radiometer on the NOAA series polar orbiting weather satellites.



Altimeter-derived geostrophic currents are posted in real-time with surface drifter trajectories superimposed. These fields can be obtained from:

<http://www.aoml.noaa.gov/phod/dataphod/work/trinanes/INTERFACE/index.html>

Altimeter-derived geostrophic currents overlaid over the dynamic height field for September 7, 2009. Drifter trajectories for the period UGUST 25 – September 7, 2009, are superimposed.