

Gulf of Mexico Coastal Ocean Observing System (GCOOS.ORG)

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Hierarchy

- Global Earth Observation System of Systems (GEOSS)
- Global Ocean Observing System (GOOS)
- U.S. Integrated Ocean Observing System (IOOS)
- 11 Regional Coastal Ocean Observing Systems (RCOOS')
- Gulf of Mexico Coastal Ocean Observing System

**We are in our third 5-year cycle
Renewed to 2021 ~\$1.5M/yr
~3 Data-type FTEs**

Vision Statement

“Develop and maintain an automated largely-unattended interoperable system of systems which delivers high-quality data, metadata and products from sensors to desktops in preferred formats.”



–Matthew Howard

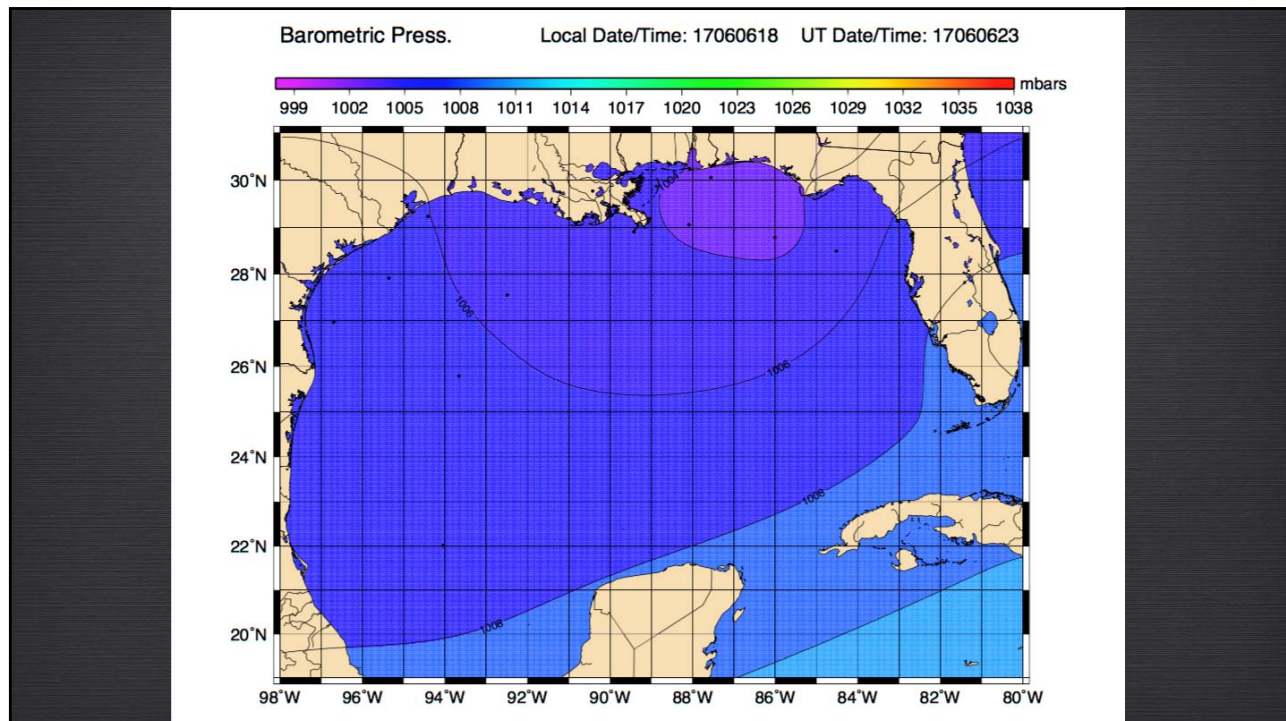
DMAC Scope

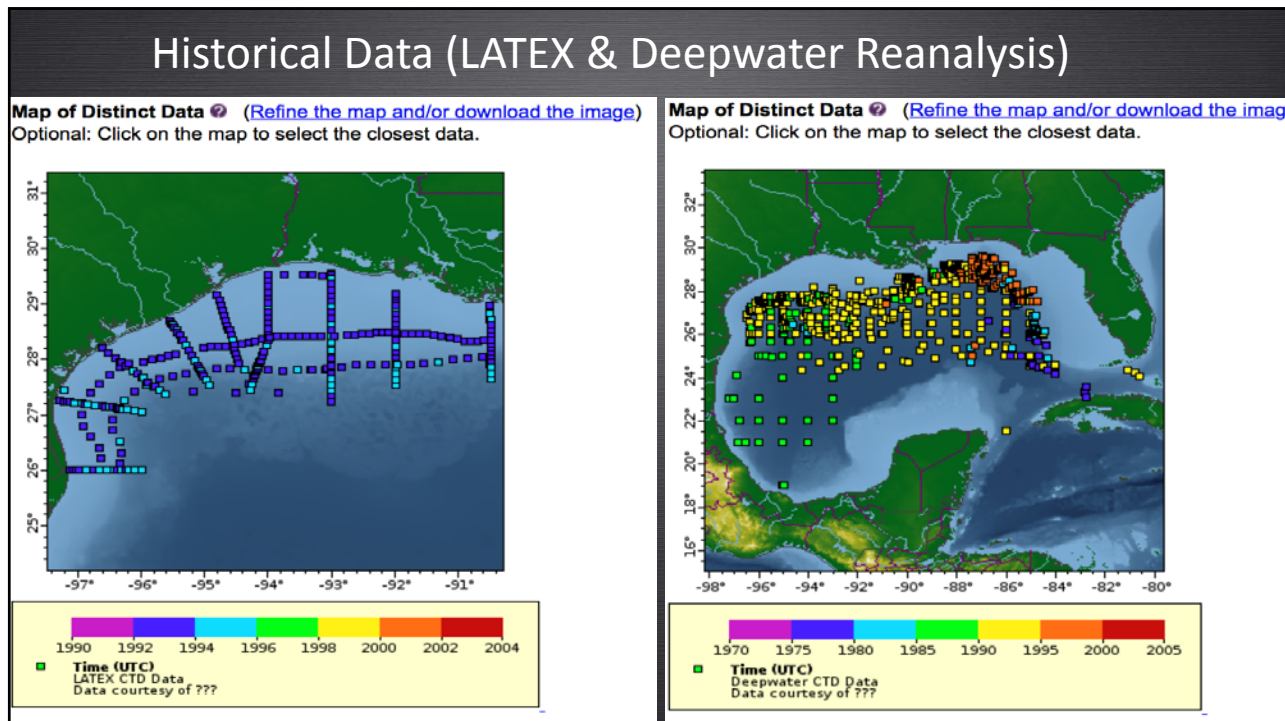
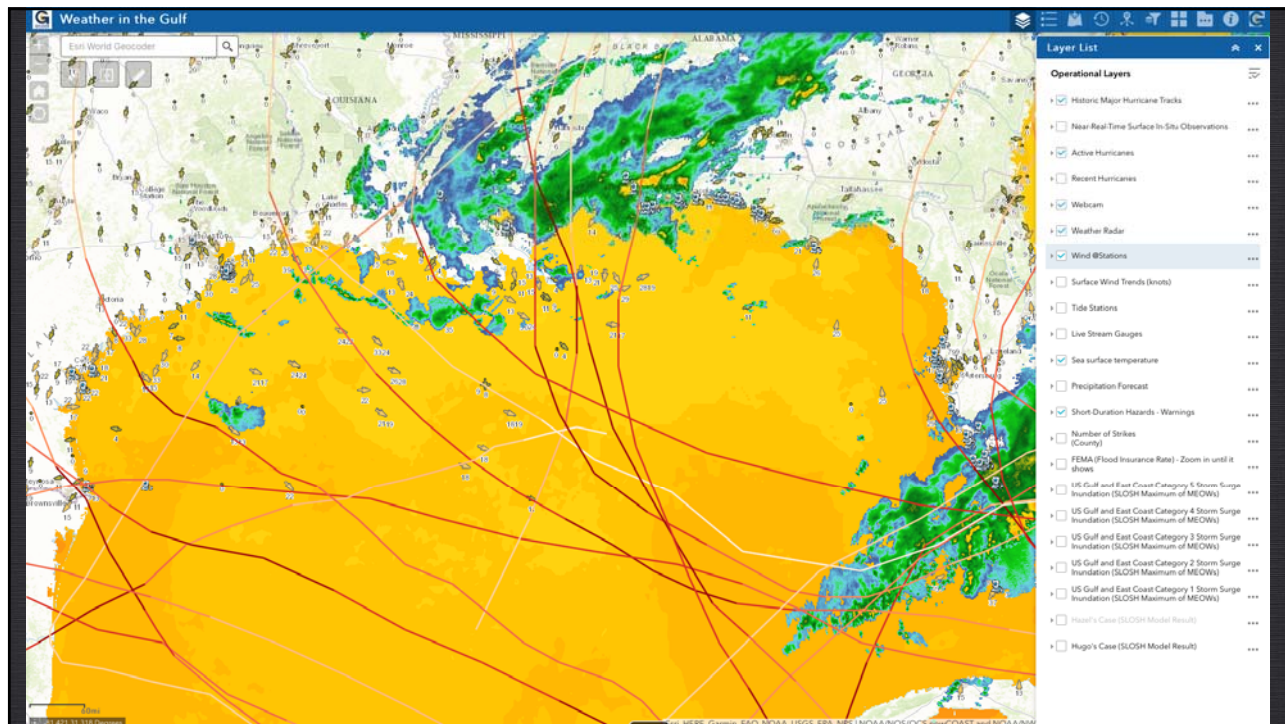
- Metadata Management
 - Data Discovery
 - Uniform On-line Browse
 - Data Access and Transport
 - Data Archive
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- Web Services Sensor Observation Service (SOS), CSV
 - ERDDAP/TDS (NetCDF)

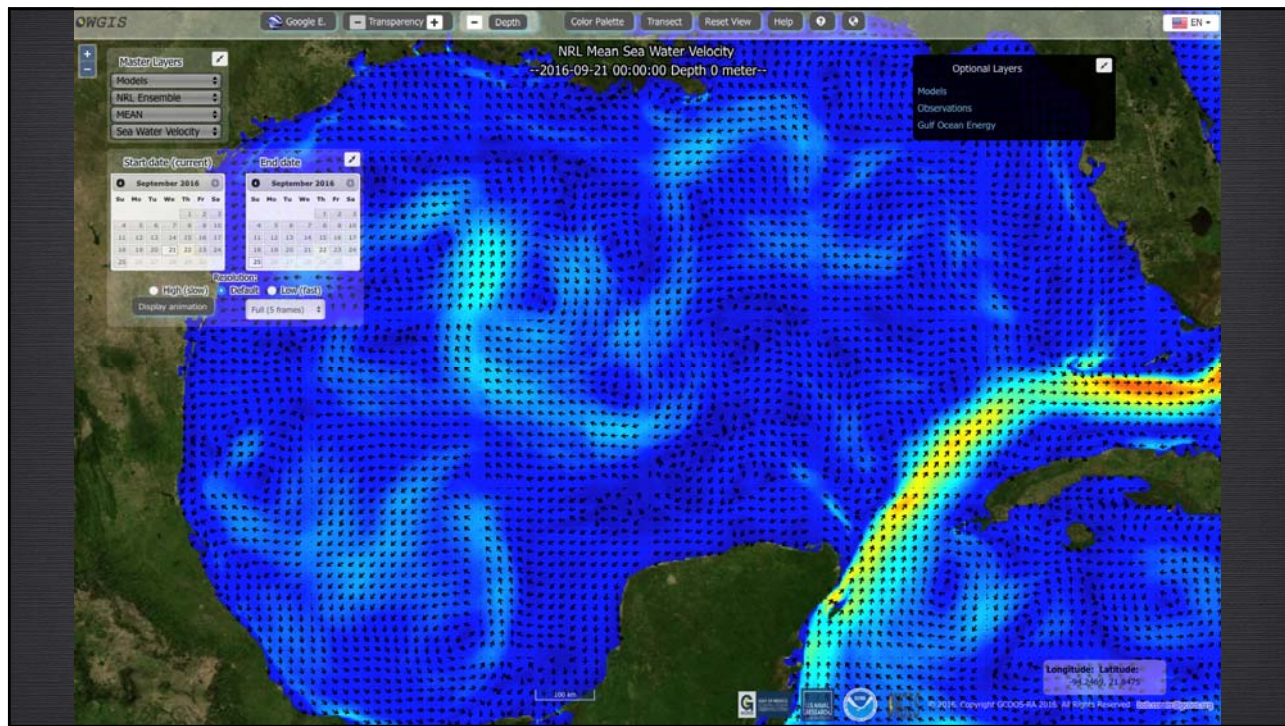


Data Types (fixed, mobile, remote sensing)

- Physical Oceanographic (T, S, Currents, Water level, River discharge ...)
- Marine Meteorological (Winds, Temperature, Pressure ...)
- Biogeochemical (nutrients, dissolved oxygen, pH, ...)
- Biological (plankton, fish, ...)
- Near real-time
- Numerical Model Forecasts (winds, currents)
- Historical Data (near real-time, field cruises, reanalysis, ...)
- Climatologies (Temperature, Salinity, ...)
- Static (bathymetry, coastlines)







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- Trajectories, Data, Summaries
- Plots, Overlays, Google Earth



Gulf Of Mexico Coastal Ocean Observing System Gulf AUV Network and Data Archive Long-term storage Facility (GANDALF)

