

The Gulf of Mexico Coastal Ocean Observing System

Benefits of Joining

<http://www.gcoos.org>

GCOOS is:



- One of 11 regions in the U.S. Integrated Ocean Observing System (IOOS) network
- Only certified Regional Association in the Gulf of Mexico
- A stakeholder-driven partnership, dedicated to acquiring, integrating, and serving oceanographic and meteorological information for the benefit of society
- Governed by the GCOOS Board of Directors

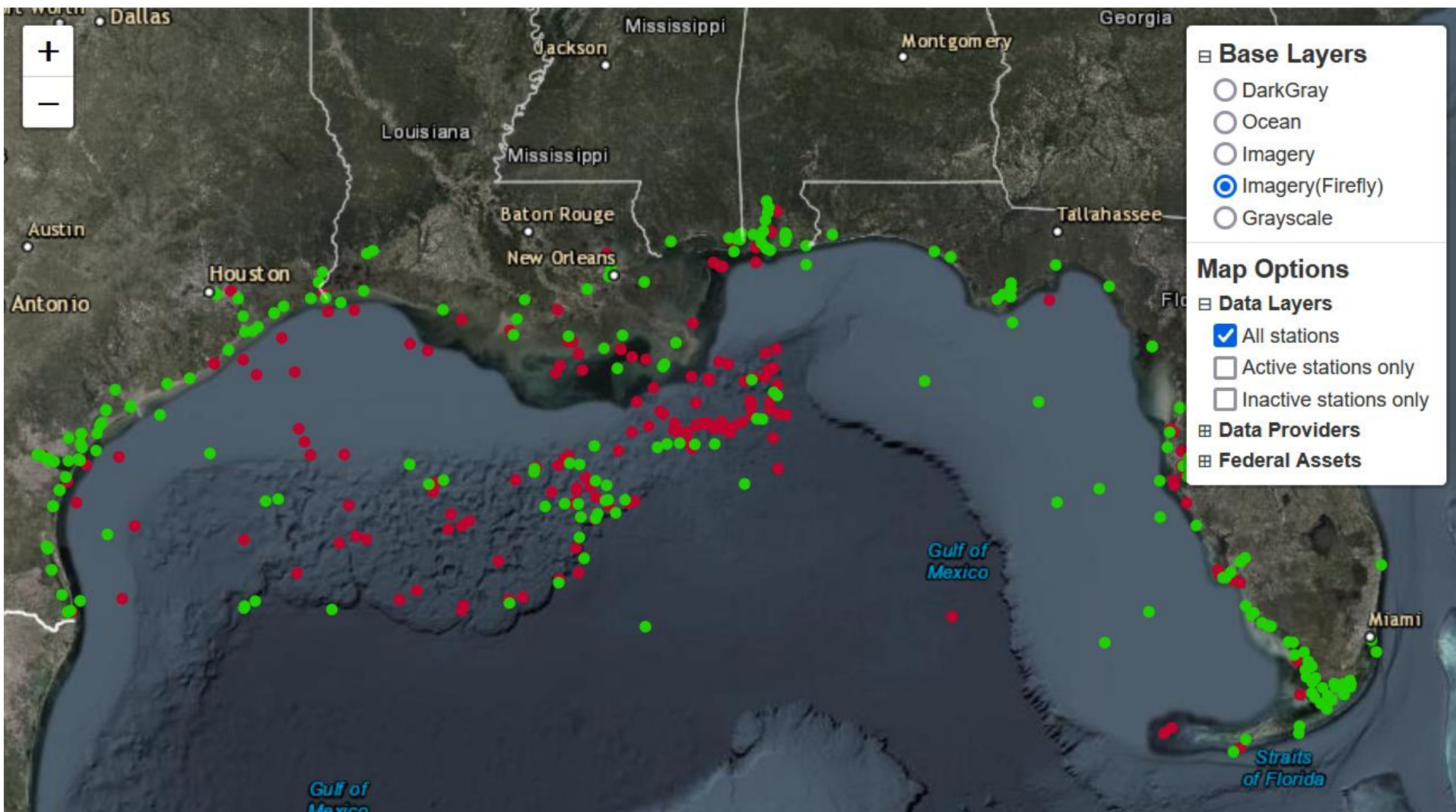


U.S. IOOS – Network of 11 Regions

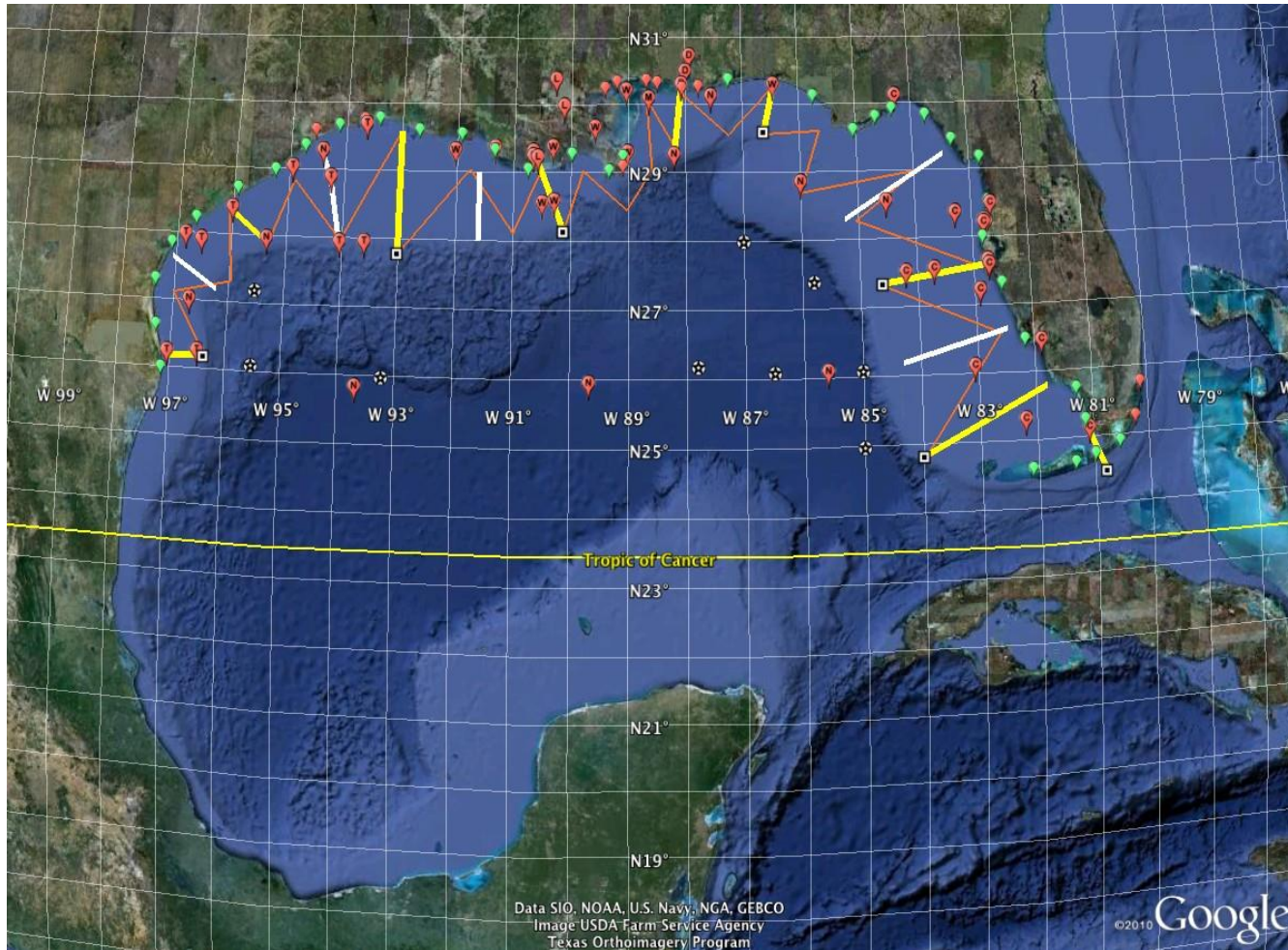
GCOOS is an End-to-End System

- Collecting, aggregating, integrating, and serving data and products derived from a combination of instruments on buoys, satellites, ships, drifters and underwater vehicles;
- Combining near-real-time, integrated, and sustained observations of the ocean and atmosphere at the air-sea interface with computer models and other data sets for a holistic understanding of the Gulf and for forecasts; and
- Freely providing the highest level of ocean information to GCOOS members and society, including a long-term database of observing and monitoring data.

Current GCOOS Assets



Proposed Mooring Lines, AUV Tracks, HFR



GCOOS Data Products

Observations Maps Satellites Forecasts Oil Spill Bathymetry HABs Resources Gliders Outreach



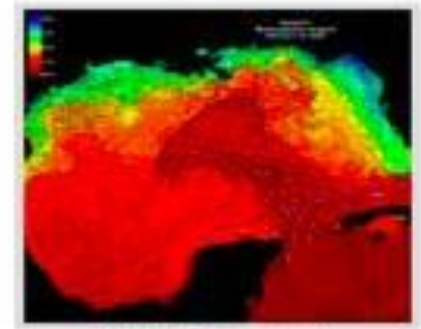
Recent Observations



Maps



Satellites



Model Forecasts



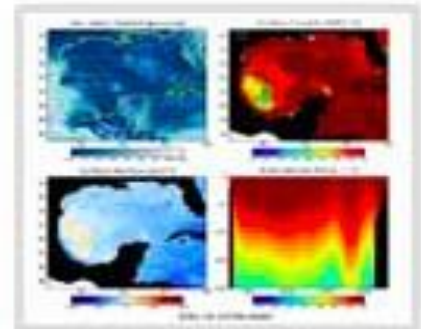
Oil Spill



Bathymetry



HABs



Model Resources

Benefits of GCOOS Membership

- Leverage your monitoring or observing data through the GCOOS data portal
- Guide development of the observing system and data products
- Vote for, or participate in, the Board of Directors, councils, committees, and/or task teams
- Receive assistance with broader impacts, outreach, communications, and Letters of Support for proposals
- Network with key experts, decision-makers, and other stakeholders
- Increase public and professional awareness of your activities and programs

Benefits of GCOOS Membership

- “GCOOS is vitally important to Fugro GEOS, providing the opportunity to develop and implement new offshore operational ocean observing techniques in a unique partnership. To safely and efficiently undertake Fugro’s numerous offshore operations requires accurate, timely and accessible environmental information.” Jan van Smirren, [former] President, Fugro GEOS Inc.

Benefits of GCOOS Membership

- “The Gulf of Mexico, arguably the most important region of any surrounding the United States from an economic, tourism, ecosystem and shipping standpoint, is also one of the most vulnerable to natural and human-caused catastrophic events. The importance of a sustained, integrated observing system that can address hurricanes, oils spills and other high priority issues cannot be overstated.” Ray Toll, Science Applications International Corporation (SAIC), [former] Vice President for Industry and Technology, Marine Technology Society

Opportunities to Collaborate

- GCOOS Board of Directors
- Products and Services Advisory Council
- Education and Outreach Council
- Modeling Task Team



Collaboration Success Stories

- The GCOOS Data Portal was awarded an EPA Gulf Guardian Award for contributions supporting the work of Emergency Responders during the Deepwater Horizon oil spill.
- GCOOS BOD members partnered with the GoM Pilot Prediction Project, the DOE's Research Partnership to Secure Energy for America, and CASE-EJIP, a consortium of offshore oil and gas companies, to evaluate requirements for the operational prediction of deep water circulation.
- GCOOS partnered with USM and Liquid Robotics members to conduct an ocean acidification pilot study.
- GCOOS partnered with USF and Mote Marine Lab members to conduct coordinated glider missions to establish protocols for glider data acquisition by numerical models and integration with satellite data.
- GCOOS Education and Outreach Council members created an EPA Gulf Guardian award winning game for five aquariums, four of these designated Coastal Ecosystem Learning Centers.

GCOOS Members

<https://gcoos.org/get-engaged/members/>

How do I join?

[Download and fill out this form](#) and email it to Executive Director Dr. Jorge Brenner, Jorge.Brenner@GCOOS.org. Include a brief statement showing your involvement in the Gulf and providing information on your institution or, for individual members, yourself.

Contact

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