State of Texas Workgroup

7th annual NOAA/NGI Hypoxia Research Coordination Workshop:

Building the Cooperative Hypoxia Assessment and Monitoring Program (CHAMP)

Members

- Steven F DiMarco (TAMU): LEAD
- Hussein Abdullah (TAMU-CC)
- John "Chip" Breier (UT-RGV)
- David Hala (TAMU-Galveston)
- UT-MSI: TBD

TX Working Group Purpose

 To identify monitoring elements along the Texas coast and devise a plan to improve, expand, or leverage federal and state efforts related to hypoxia and related stressors

TX Working Group Goals

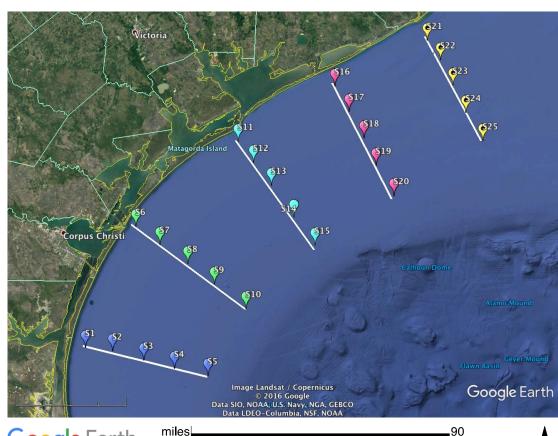
- Identify requirements of hypoxia monitoring plan for Texas
- Identify and Quantify sources of nutrients on the Texas coast
- Identify mechanisms that initiate and control the location, severity, and duration of Texas coastal hypoxia
- Identify mechanisms that differentiate MARS and Texas hypoxia

TX WG Current Activities

- Texas OneGulf Center of Excellence (WTX)
 - 2018 Field Campaign: Padre Island to Sabine
- NSF RAPID Awards: Hurricane Harvey
 - 5 awards to TAMU
- Repeat Transects: Galveston to FGBNMS
 - TAMU: Observing the Ocean REU
 - June cruise: RV Pelican
 - RV Manta SCS dataset
- Resources: MCH Atlas released (Dec 2017)
 - http://mchatlas.tamu.edu
- Resources: http://pong.tamu.edu/tabswebsite
- Resources: Texas HF Radar Network, TABS

WTX Cruises

- Upwelling System
 - June/August/September/Nov
- Water Quality
- Acrobat
- Stable Isotopes
 - O, N
- Texas OneGulf
 - TCEQ/RESTORE







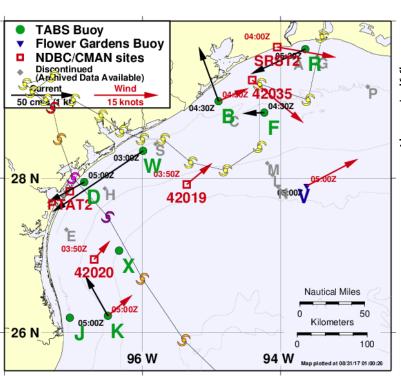


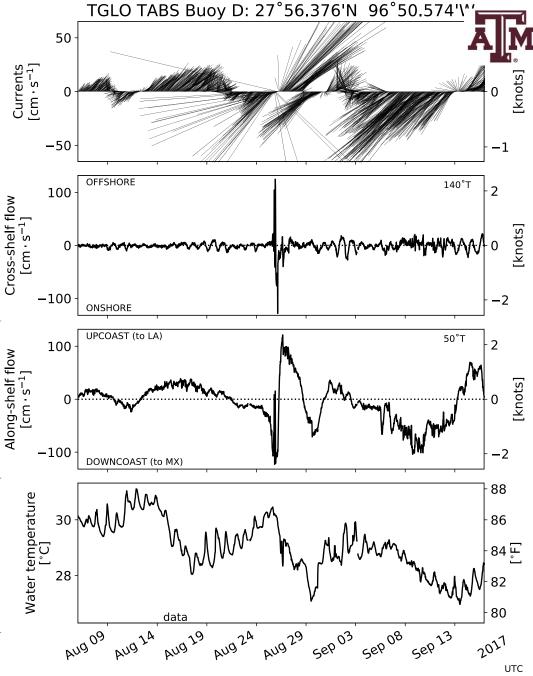
Hurricane Harvey: 25 August 2017



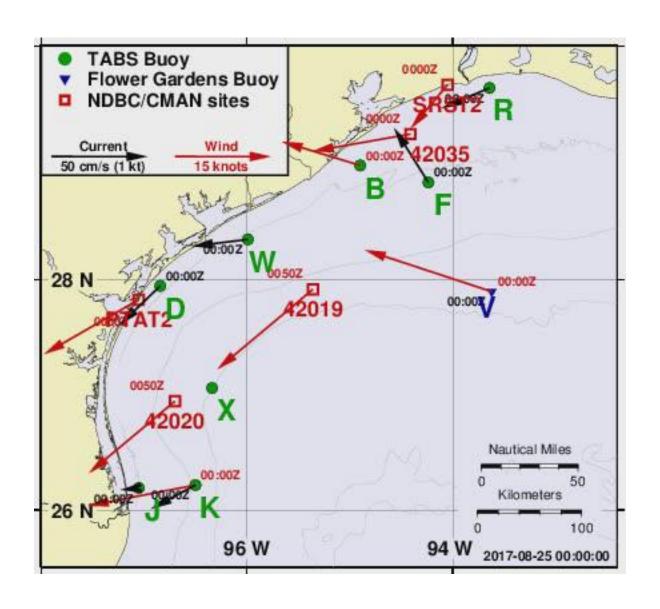


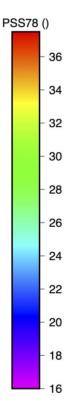
TABS Observations: Hurricane Harvey





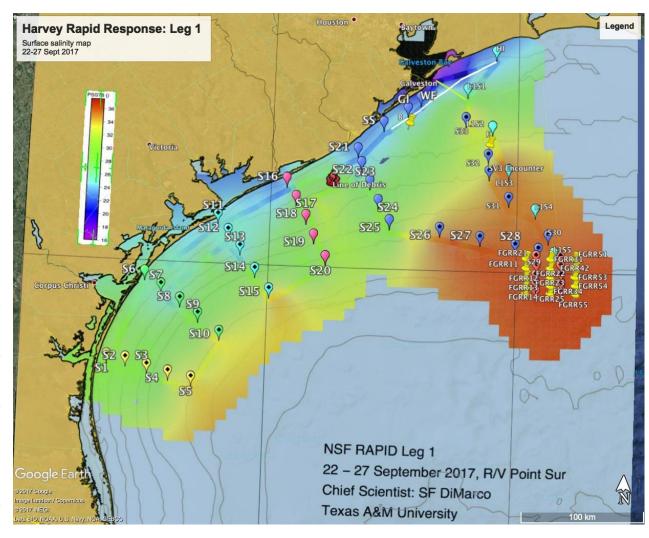
TABS Observations: Animation

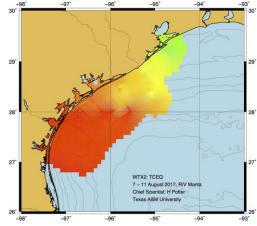




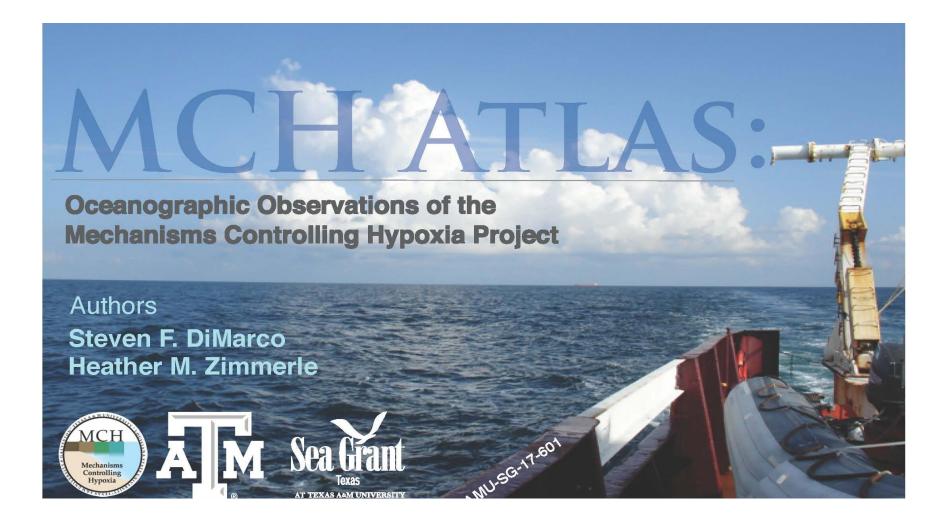


Freshwater Distribution





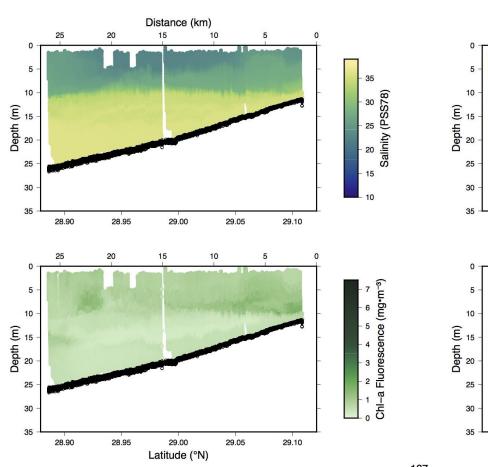
http://mchatlas.tamu.edu

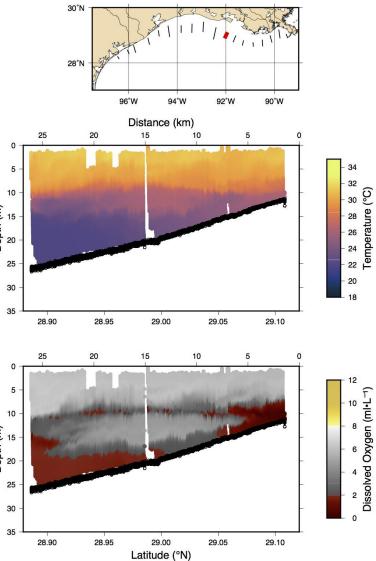


Limited Hard copies are available: see SF DiMarco

MS07

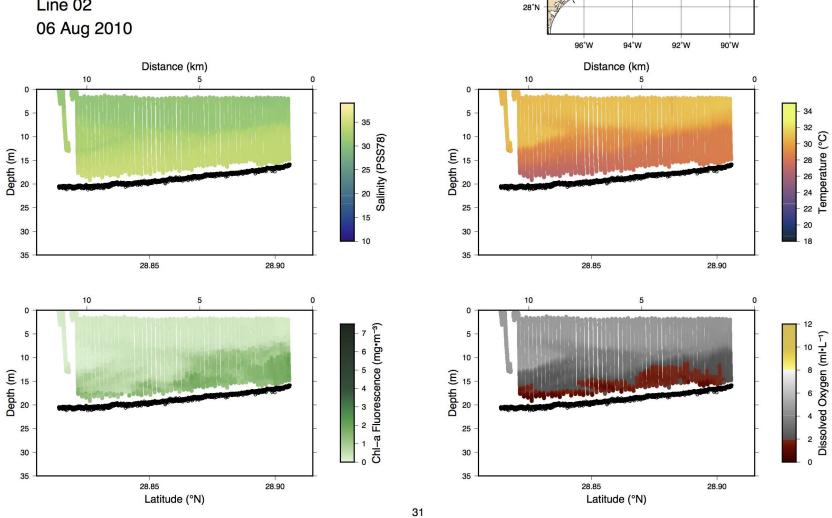
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MS02

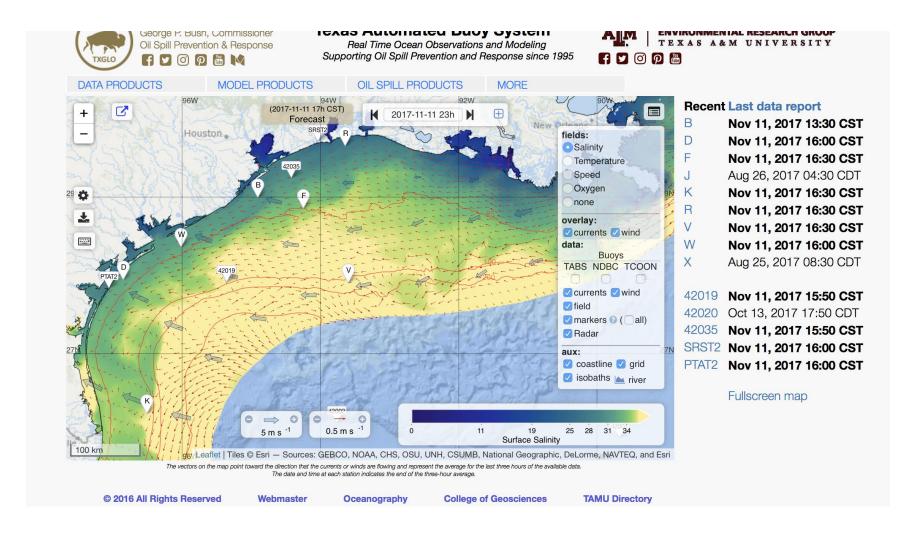
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30°N



TABS: New Website



TX WG Current Activities

- NOAA CSCOR: Glider Implementation Plan
 - July 2018
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 - 2018 Field Campaign: Padre Island to Sabine
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