

CHAMP: Oil/Gas and OA Workgroup

To identify interest from the Oil/Gas industry to leverage monitoring on platforms and to identify intersections between all groups interested in monitoring ocean acidification parameters that benefit hypoxia monitoring.

TITLE: somewhat narrow

PURPOSE: much broader

VIA: leveraging partnerships

BACK TO THIS

STAND STILL:

Interactions with BOEM to work with industry for deployment of OA sensors (also DO sensors)
GCAN calls interrupted by several hurricane and holidays, re-engage in the New Year

POTENTIAL PROGRESS:

Shell's offer to add sensors and maintain them on Stones platform

Lead - Barb Kirpatrick (GCOOS)

Lead - Nancy Rabalais (LSU/LUMCON)

Lead - Steve DiMarco (TAMU)

Dwight Gledhill (NOAA OAR)

Jen Vreeland (NOAA NOS)

Stephan Howden (USM)

Trevor Meckley (NOAA NOS)

Alan Lewitus (NOAA NOS)

SUCSESSES

Moved OAP Buoy from east of the Miss R to hypoxic zone, near stations C5 and C6C (Howden)

- Last data on GCOOS 7-6-17

- Data are at <https://www.pmel.noaa.gov/co2/story/Coastal+LA>

air xCO₂, sea water xCO₂, sea water pH (1-8-18)

Completion of one-year of coupled DO, pCO₂ and pH in situ deployments (Cai/Rabalais/Maiti)

Placement of Aanderaa optodes on platforms in deep water (DiMarco)

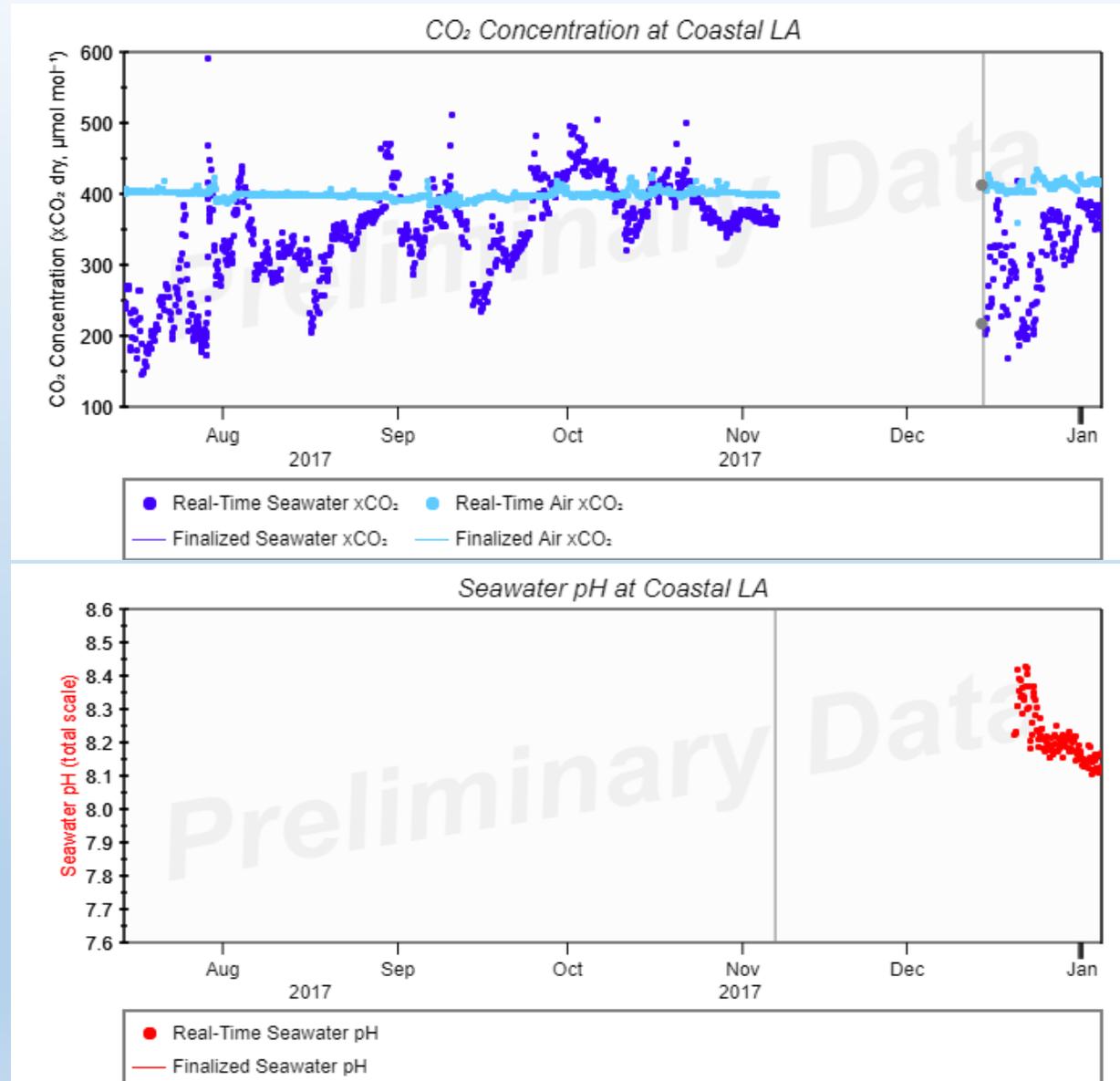
- Stones platform (3000 m), 3 with a WHOI GoMRI-funded project SW of Macondo site (1000 m)

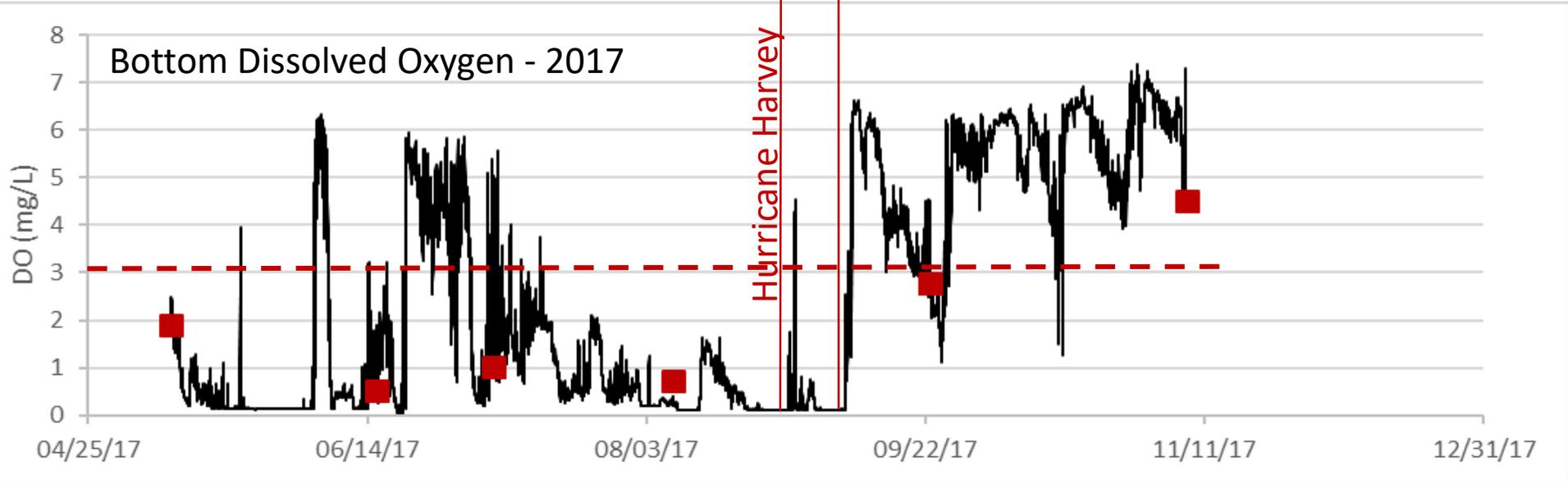
- All in bottom boundary layer

- About a dozen more suitable for deployment on moorings

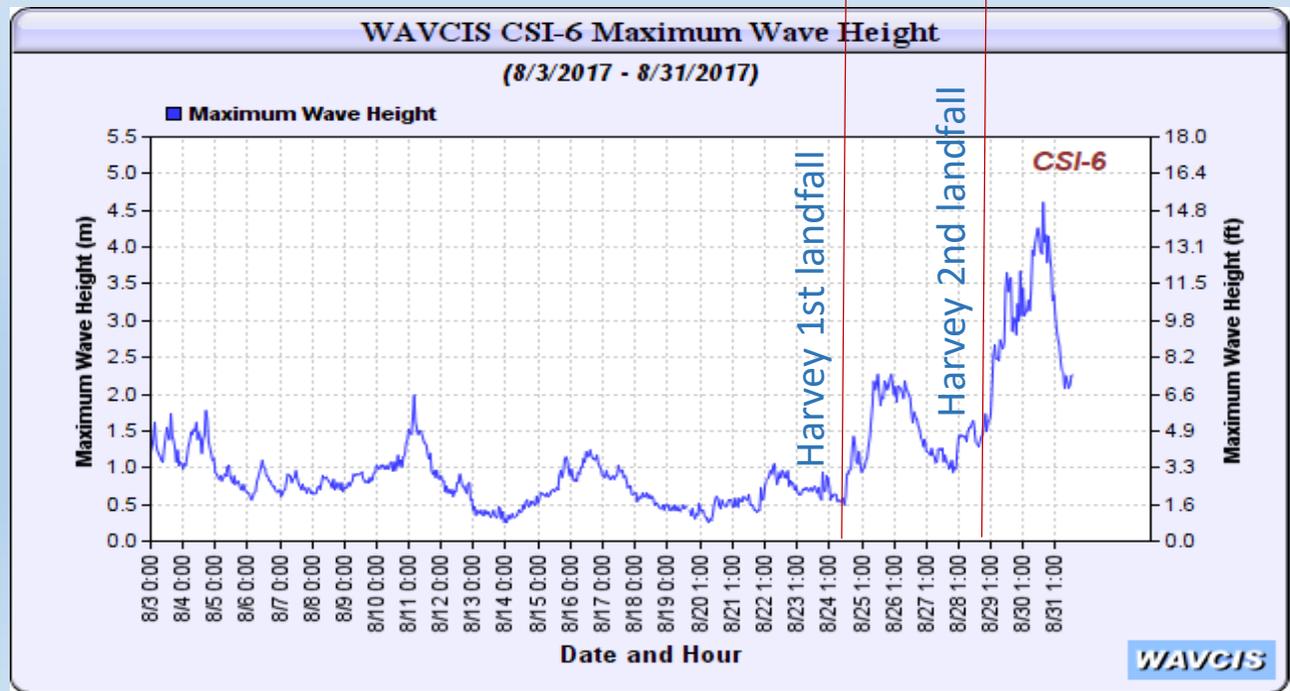
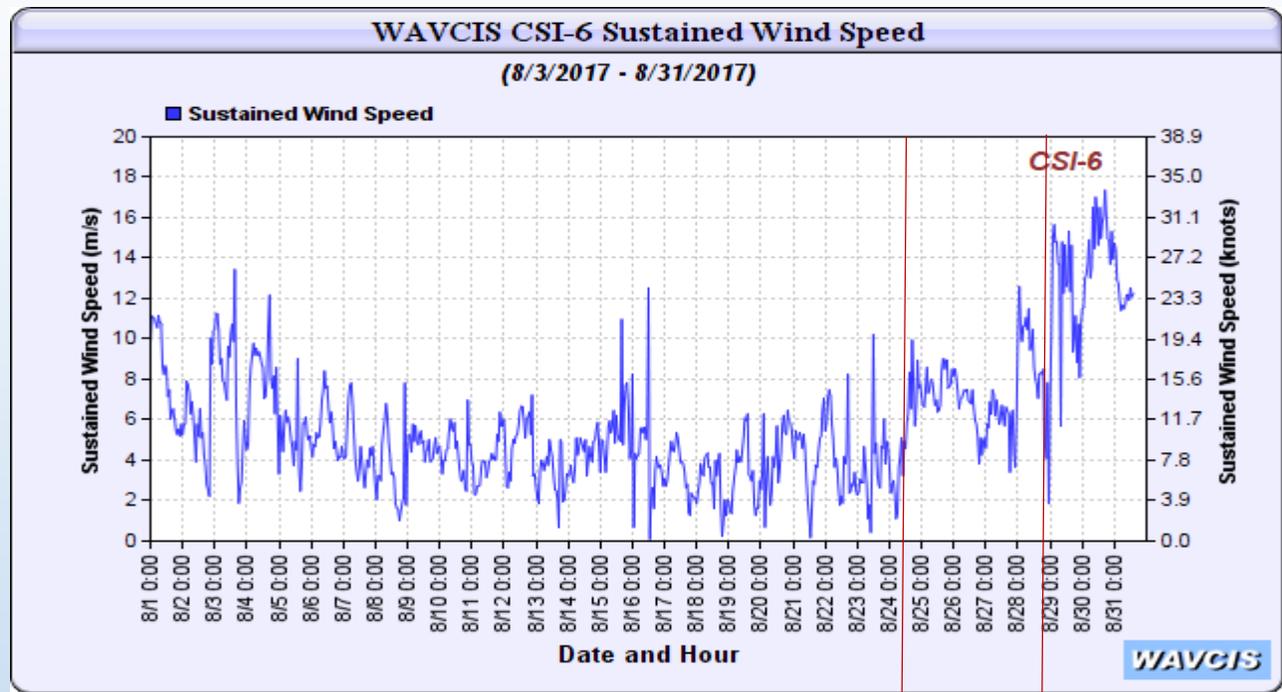
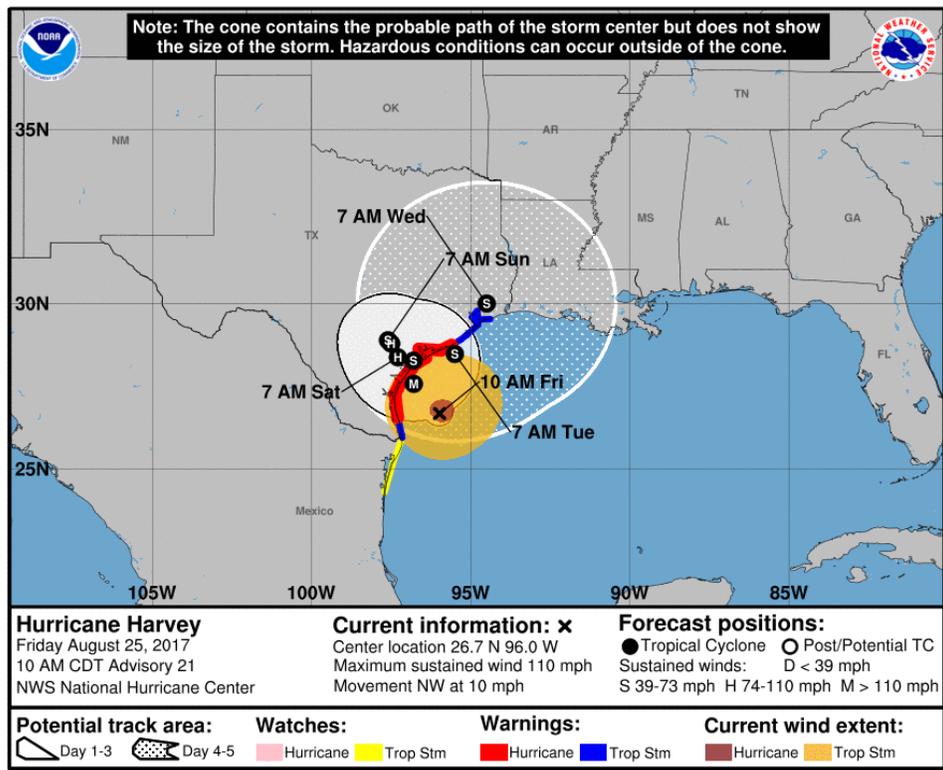
Hurricane Harvey responses (many)

Plots of surface water and atmospheric CO₂ and surface water pH: OAP buoy





(unpubl. Rabalais; NOT QA/QC'd)



CURRENT AND PLANNED ACTIVITIES:

GCAN calls and webinars re-engaged in the New Year (Jennifer Vreeland and Katie Schamberger)

TBA – Interactions with BOEM to work with industry for deployment of OA sensors (also DO sensors)

Get bottom DO on OAP buoy (Howden)

Link data from LA OAP data to GCOOS web site

Rebuild USM buoy east of Miss R???

Pursue and put additional sensor's on Stones met buoy adjacent to their platform

Possible placement of a dozen Aanderaa optodes on other mooring assets

Meeting at Ocean Sciences of DO and OA investigators from the GoMx to compare data for 2017 field season, share, and decide on manuscript pathways (Rabouille, Cai, Rabalais, Lehrter.....

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