

NOAA

NOAA's Office of Marine and Aviation Operations and the Gulf Coast

Oceans in Action Summit

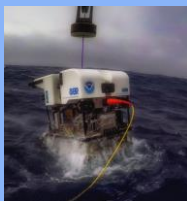
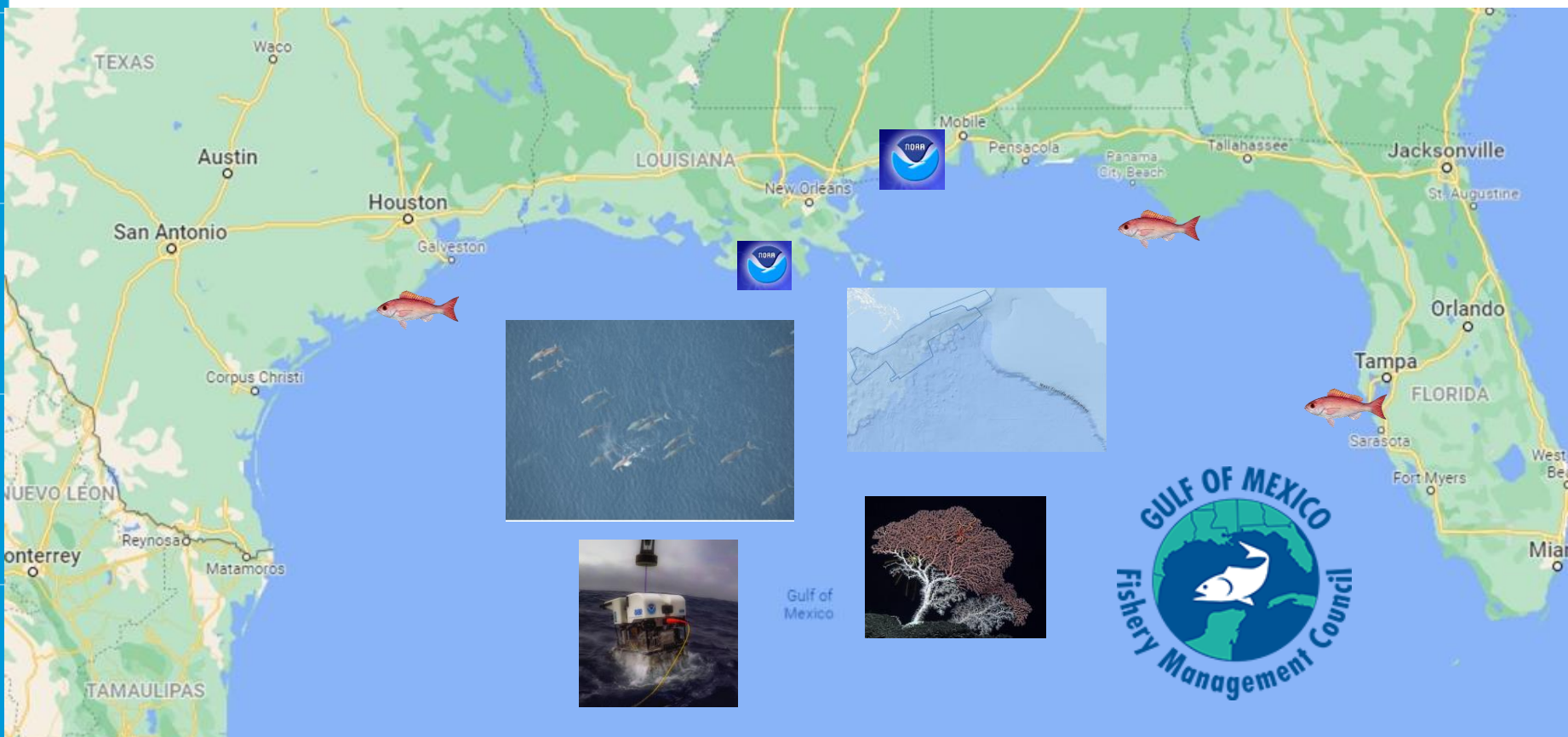
March 8, 2022

RDML Chad Cary, NOAA
Deputy Director for OMAO Operations and the NOAA Corps





NOAA Ship Operations in the Gulf Coast



Gulf of Mexico





NOAA Ship Hurricane Response



NOAA Ship Thomas Jefferson (S-222)
 Supplemental Contact Information
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SERVICE - OFFICE OF COAST SURVEY

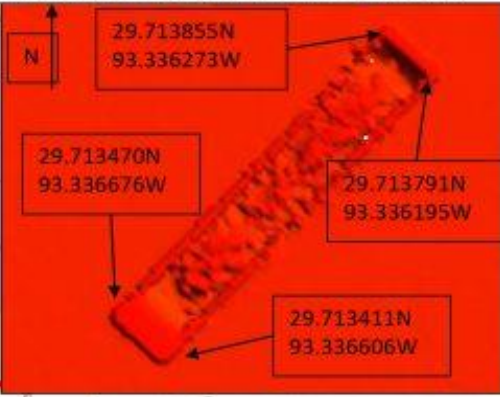
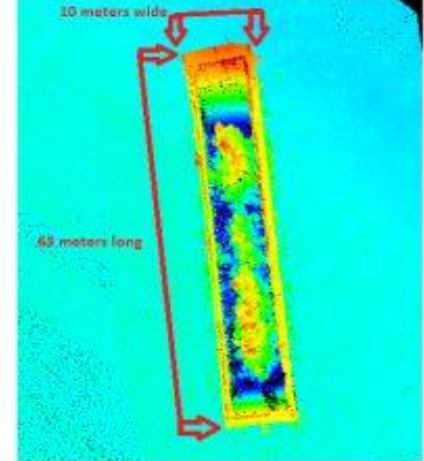
Contact:
 Commanding Officer / Chief of Party
 LCDR Ryan Wartick, NOAA
 (Acting) CO.thomas.jefferson@noaa.gov



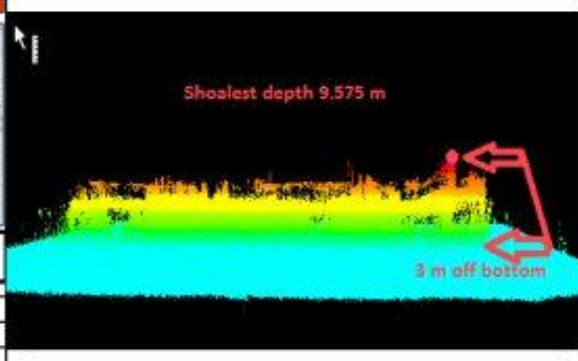
Date:	10/07/2017
Latitude:	29.71363 N
Longitude:	093.33645 W
MBES least depth:	9.575 m (31.4ft)
SSS contact height:	~3m (9.8 feet)
Contact dimensions:	10 x 63m (32.8 x 207 ft)

Comments:
 Submerged barge located within the Bar Channel ~ 2 nautical miles south of the West Jetty (~mile marker -3.7) found on October 12, 2020 by NOAA launch 2904. Minimum depth corrected to mean lower-low water (MLLW). Located using multi-beam echo sounder (MBES) and side scan sonar (SSS).

Additional media / information:



MBES coverage of wreck showing dimensions: ~10 x 63m (32.8 x 207 ft)



MBES 3D point cloud showing wreck least depth: 9.575 m (31.4 ft)

Wreck located within Bar Channel near buoy G "37"

Project:	S-K370-TJ-20	Chart Number:	11339
Survey:	F00824	Sounding Units:	Feet (NOAA rounded)
Locality:	Approaches to Calcasieu, LA	Datum:	MLLW
Sublocality:	Bar Channel	Date of survey:	10 - 13 October, 2020

PRELIMINARY PRODUCT - FOR USCG & NOAA DECISIONAL USE ONLY - NOT FOR USE IN NAVIGATION

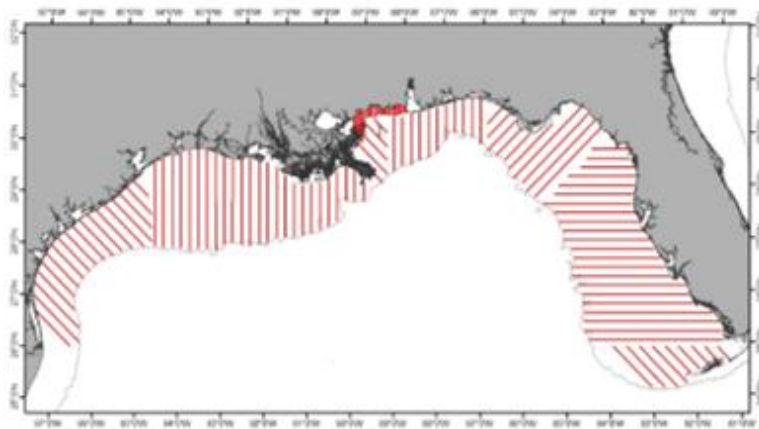




NOAA Aircraft Operations in the Gulf Coast



Marine Resource Flights & Coastal Mapping



Hurricane Support



NOAA Uncrewed Systems Operations in the Gulf Coast



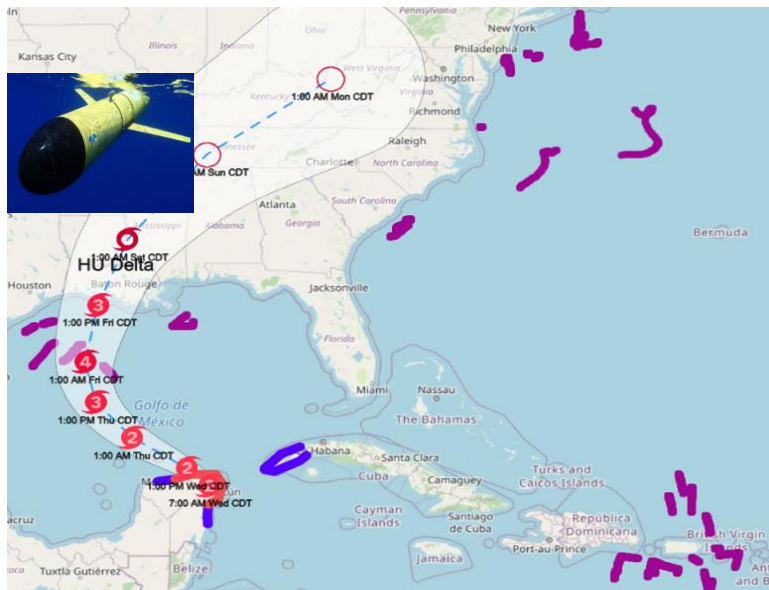
Uncrewed Systems Research to Improve Hurricane Intensity Forecasts



1: Deploy small UAS from Hurricane Hunter aircraft



2: Improve hurricane intensity forecasts by using 'picket' gliders to get ocean features and heat content



3: Obtain critical surface level observations in storm center using Sairdrone USV

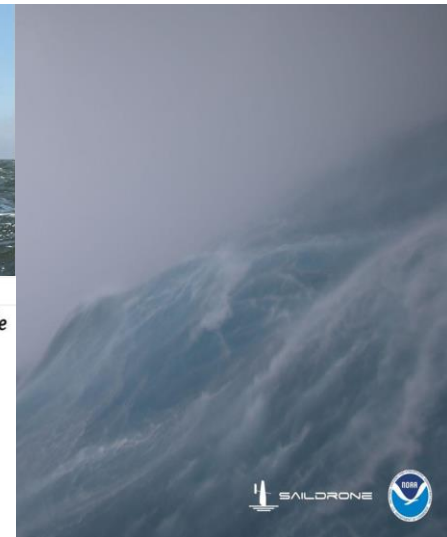


The New York Times

'Sairdrone' Footage Offers Rare Peek Inside a Category 4 Hurricane

The 23-foot crewless vessel pierced the eyewall of Hurricane Sam and captured stunning images as the storm barreled through the Atlantic Ocean.

By Vimal Patel
Published Oct. 3, 2021 | Updated Oct. 30, 2021



Partnerships for the Gulf Coast Blue Economy







Thank you!

omao.noaa.gov

