



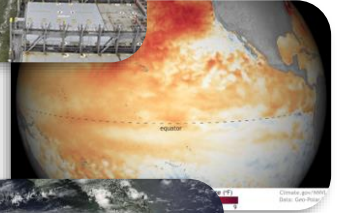
NDBC Overview

Cameron Dauterive & Michael Vasquez

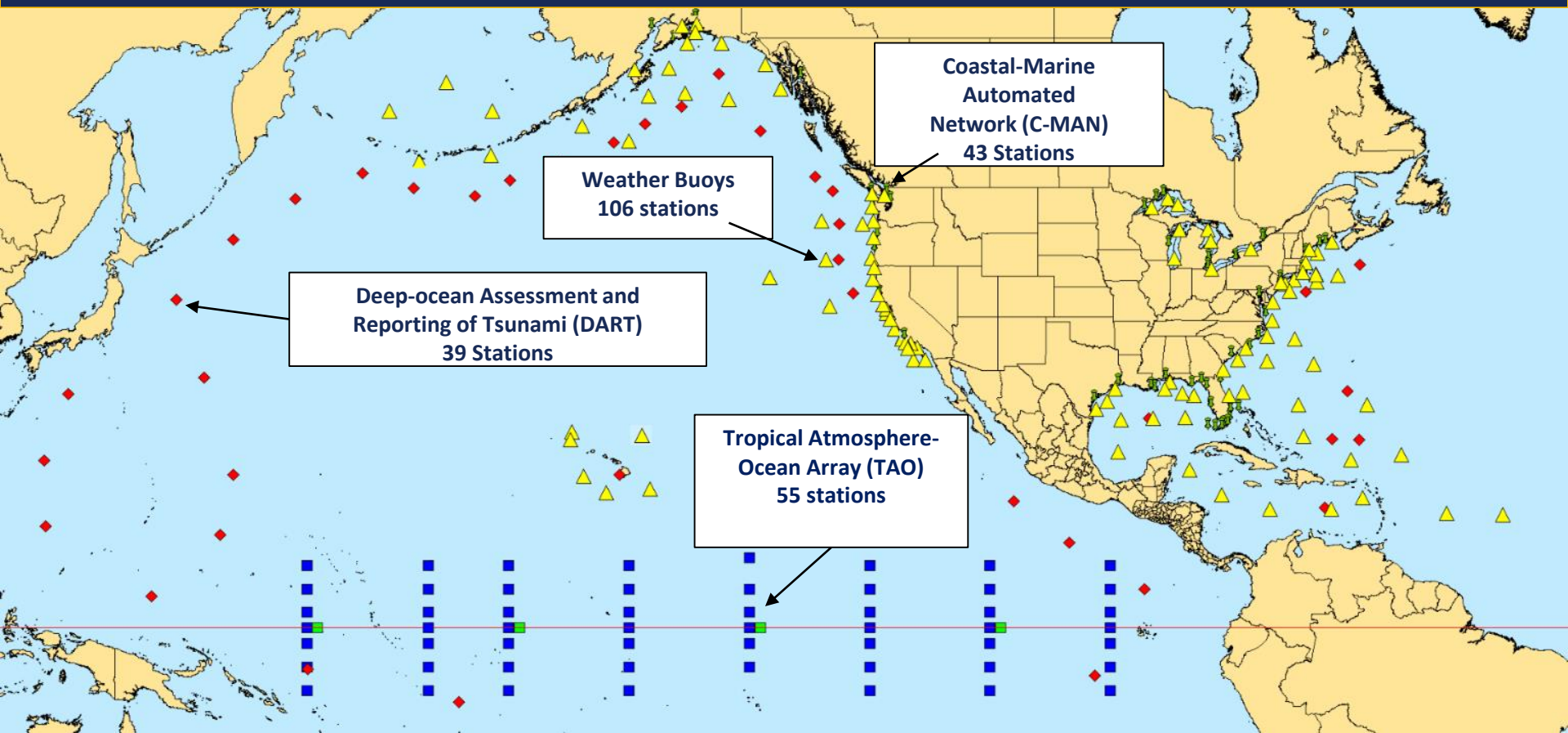
24 February 2023

Ensuring the Nation's Maritime Safety

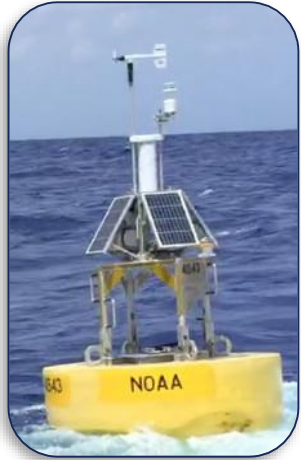
“Collecting and disseminating in-situ, real-time, quality-controlled observations in the marine environment to ensure the nation's maritime safety, and to understand and predict the atmosphere, ocean, waves, ice and climate.”



World's Largest Marine Observing Network



Platform Types



“Weather” Buoys



Uncrewed Marine System
Contracted for “data buy”



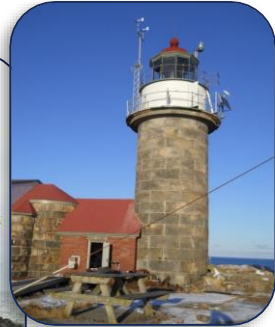
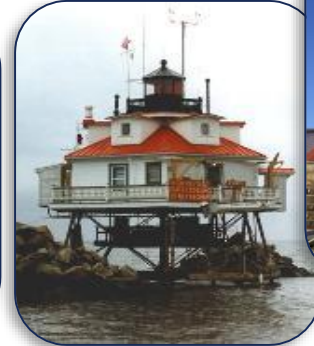
Tropical Atmosphere
Ocean Buoy



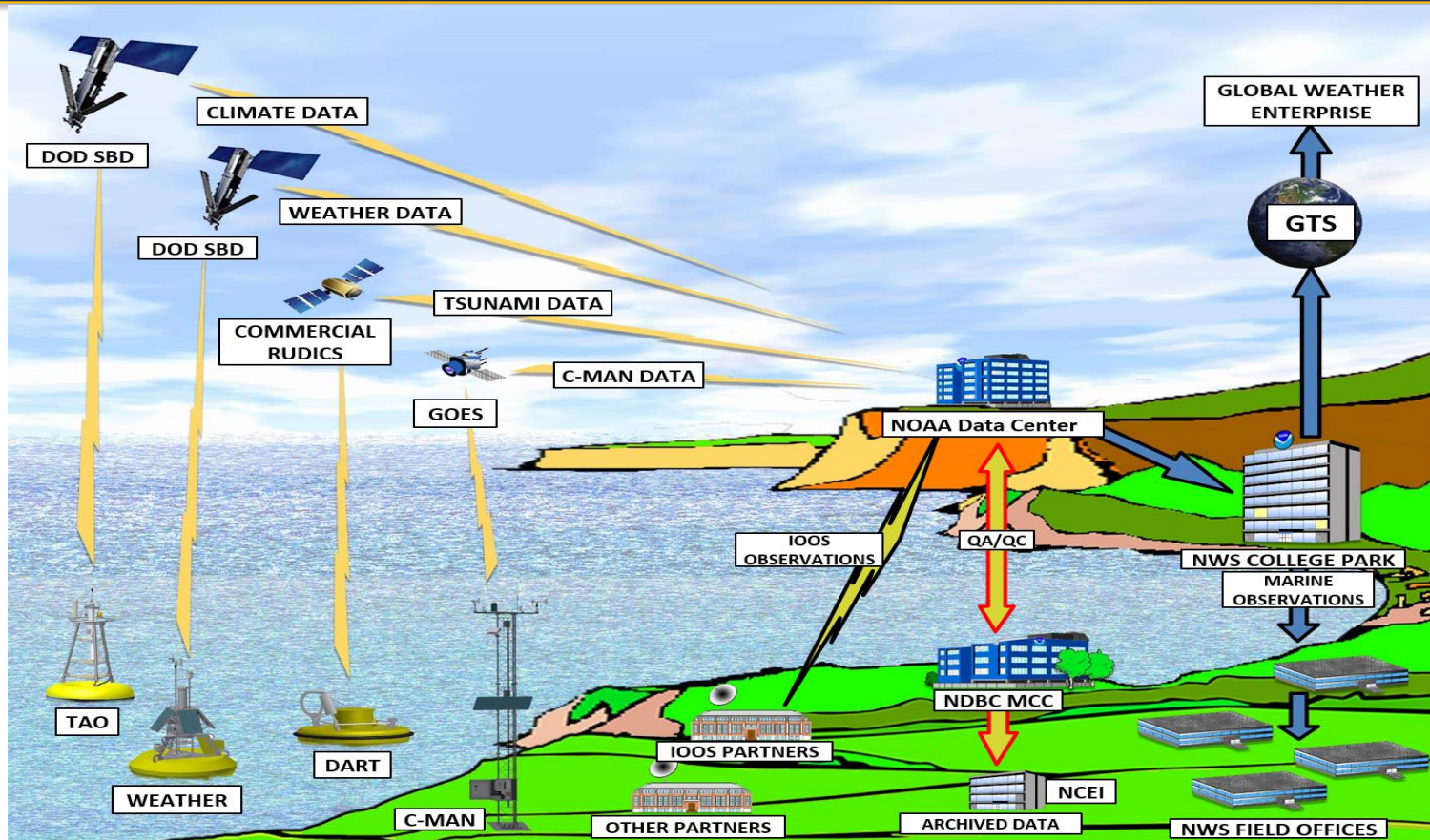
DART buoy and
Bottom Pressure Recorder



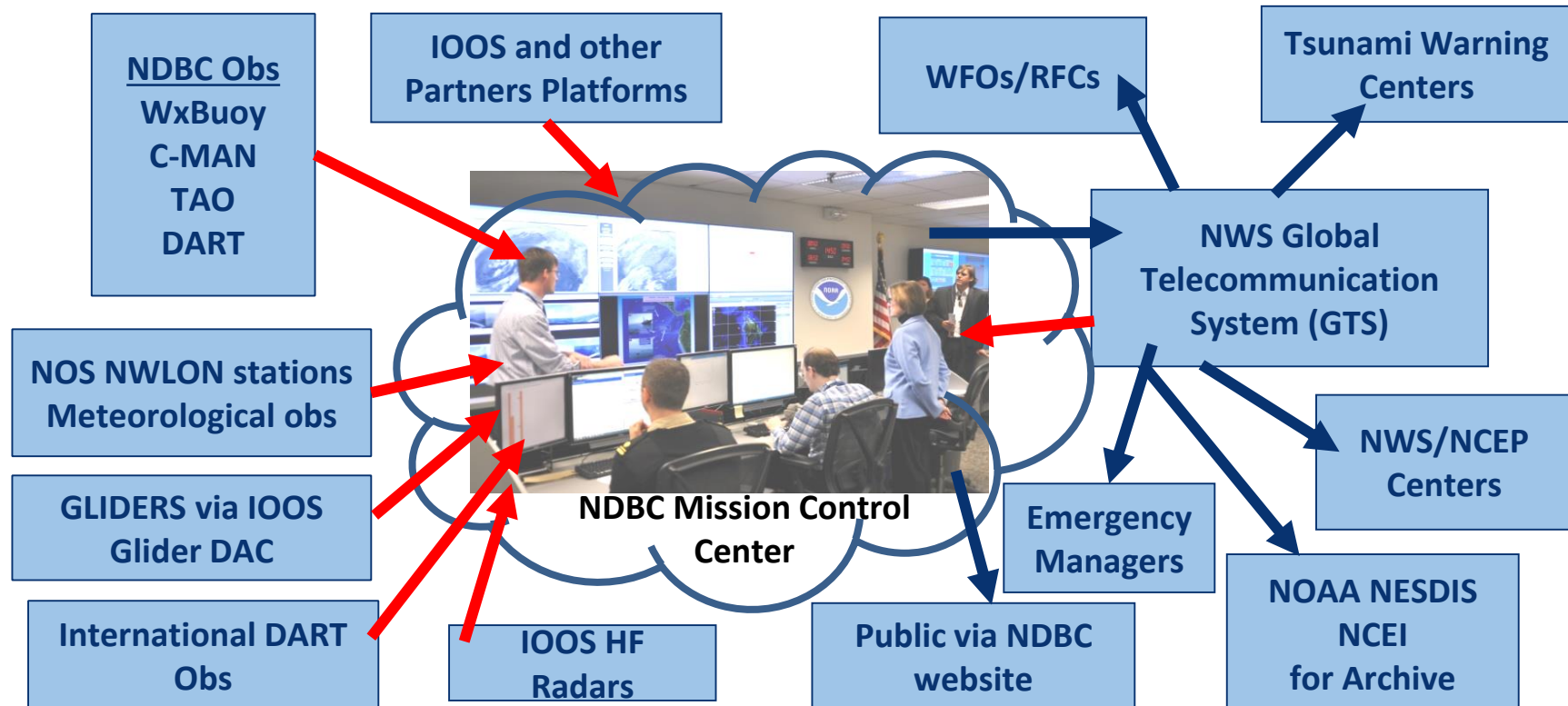
C-MAN



NOAA's Maritime Data Assembly Center

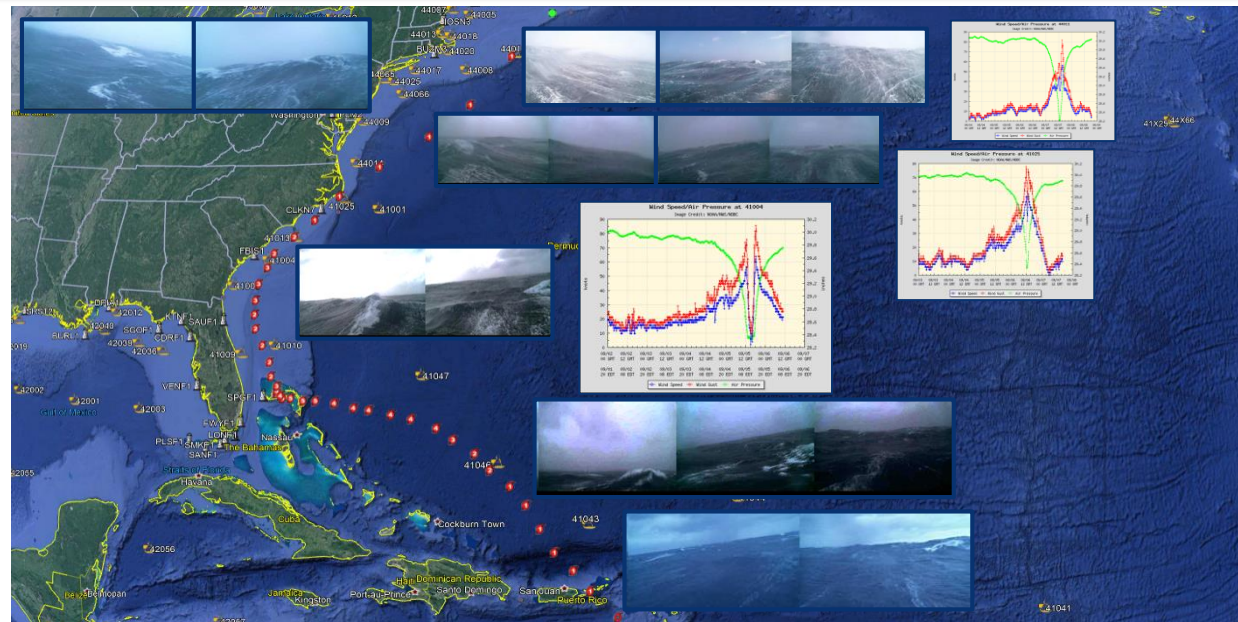


Observations Collection and Dissemination



World Class Capability To Disseminate Observations To Nation

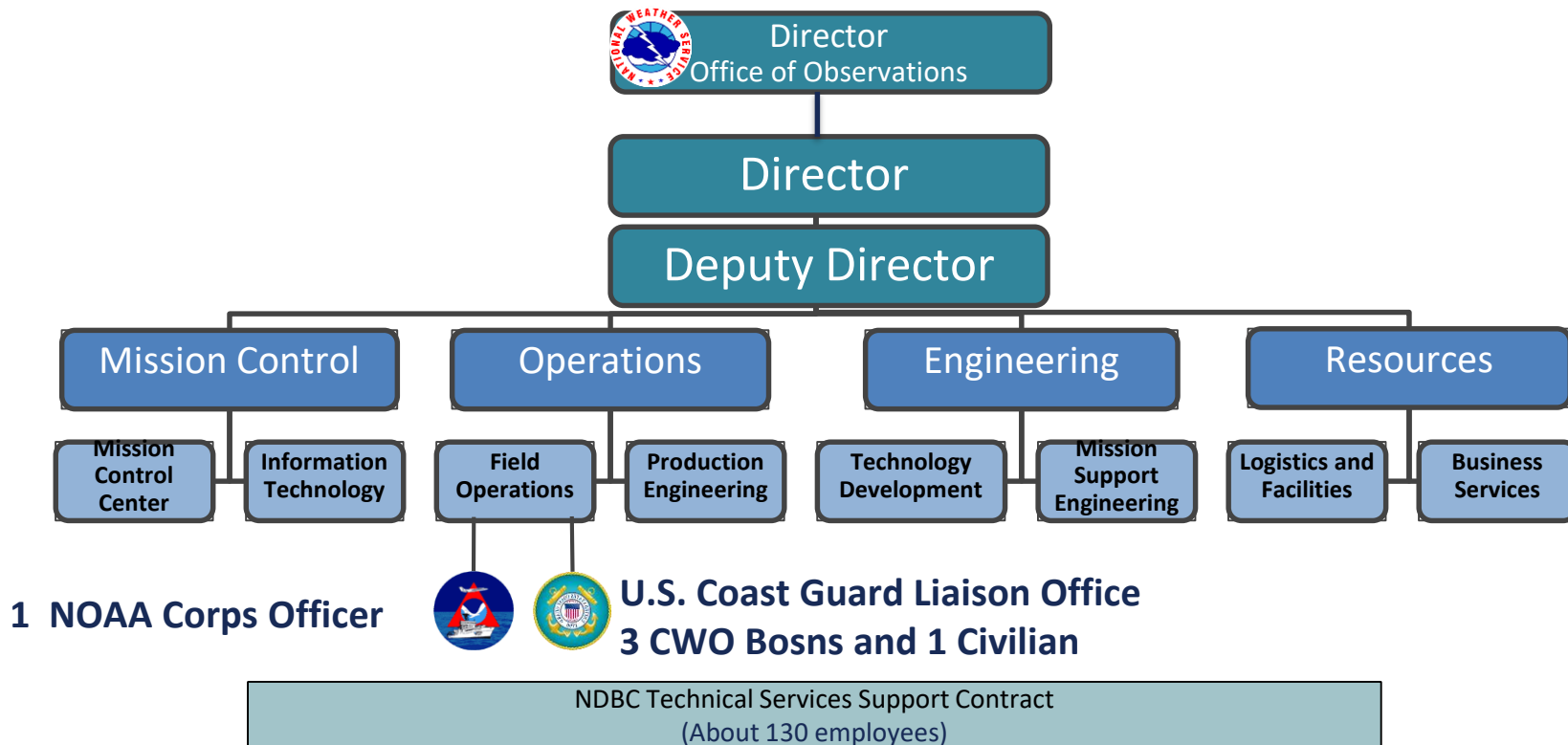
Command Center = Situational Awareness



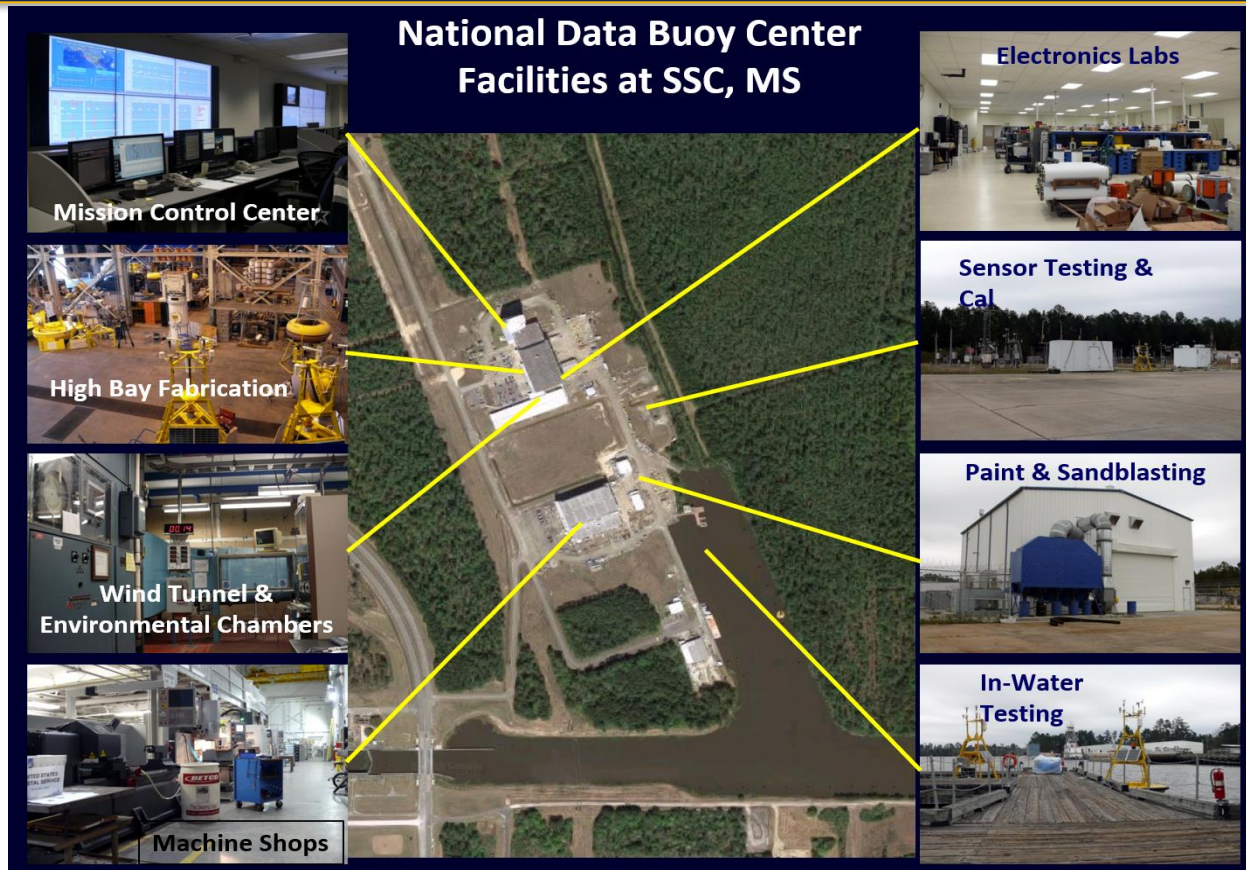
Hurricane Dorian – 28 August – 7 September 2019

NOAA's 24x7x365 Command Center For Maritime Observing Systems

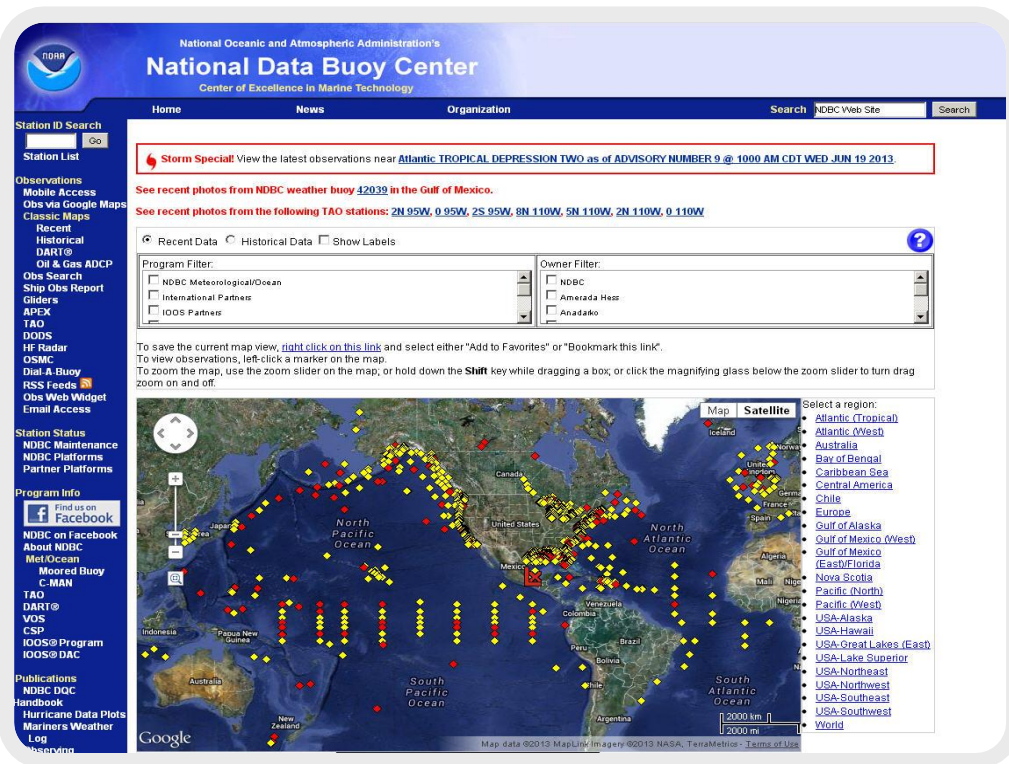
NDBC Organization



NDBC Facilities at Stennis Space Center



Public Access to NDBC Observations



National Oceanic and Atmospheric Administration's
National Data Buoy Center
Center of Excellence in Marine Technology

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Station ID Search
Station List

Observations
Mobile Access
Obs Via Google Maps
Classic Maps
Recent Historical
DART®
Oil & Gas ADCP
Obs Search
Ship Obs Report
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Log

Storm Special! View the latest observations near **Atlantic TROPICAL DEPRESSION TWO** as of **ADVISORY NUMBER 9 @ 1000 AM CDT WED JUN 19 2013**

See recent photos from NDBC weather buoy **42039** in the Gulf of Mexico.
See recent photos from the following TAO stations: **2N 95W, 0 95W, 2S 95W, 8N 110W, 5N 110W, 2N 110W, 0 110W**

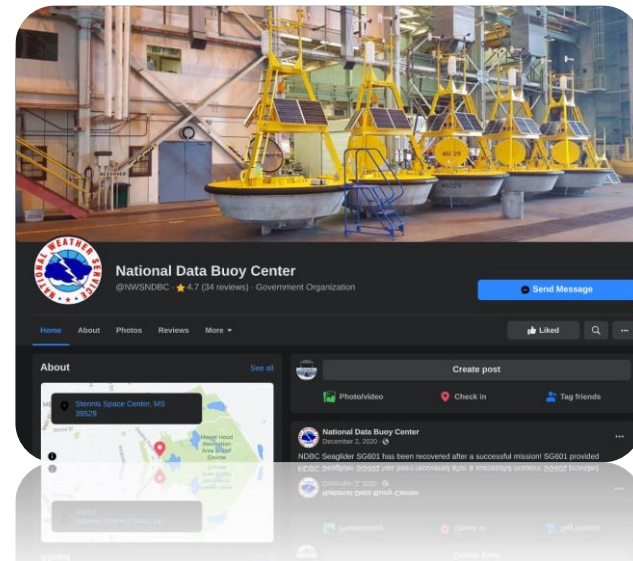
Recent Data Historical Data Show Labels

Program Filter:
☐ NDBC Meteorological/Ocean
☐ International Partners
☐ IOOS Partners

Owner Filter:
☐ NDBC
☐ Amerasia Hess
☐ Anadarko

To save the current map view, [right click on this link](#) and select either "Add to Favorites" or "Bookmark this link".
To view observations, left-click a marker on the map.
To zoom the map, use the zoom slider on the map, or hold down the **Shift** key while dragging a box, or click the magnifying glass below the zoom slider to turn drag zoom on and off.

Select a region:
 Atlantic (Tropical)
 Atlantic (West)
 Australia
 Bay of Bengal
 Caribbean Sea
 Central America
 Chile
 Europe
 Gulf of Alaska
 Gulf of Mexico (West)
 Gulf of Mexico (East)
 Florida
 Nova Scotia
 Pacific (North)
 Pacific (West)
 USA Alaska
 USA Hawaii
 USA Great Lakes (East)
 USA Lake Superior
 USA Northeast
 USA Northwest
 USA Southeast
 USA Southwest
 World



National Data Buoy Center
@NWSNDBC 4.7 (34 reviews) · Government Organization

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About

Stennis Space Center, MS 39529

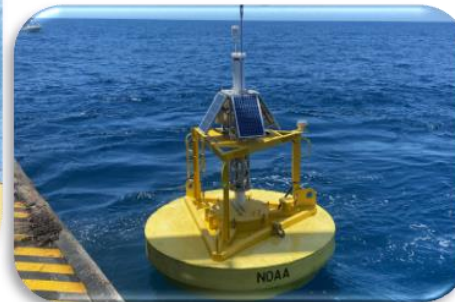
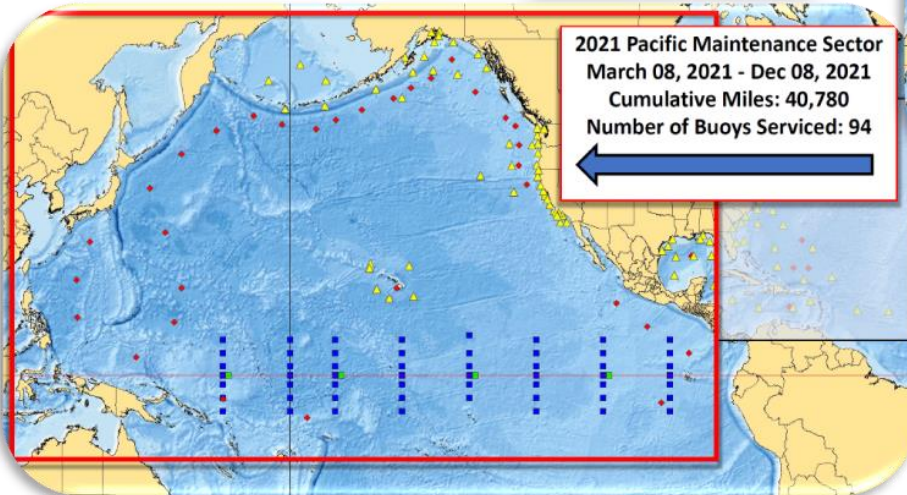
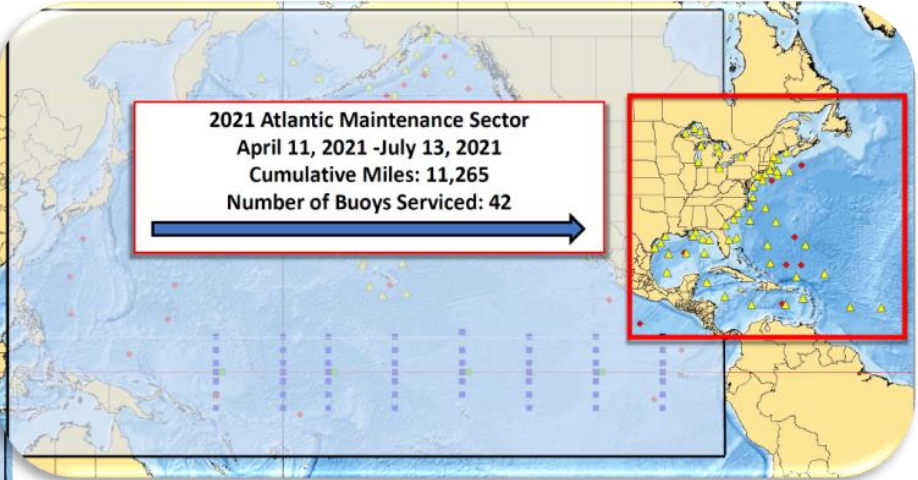
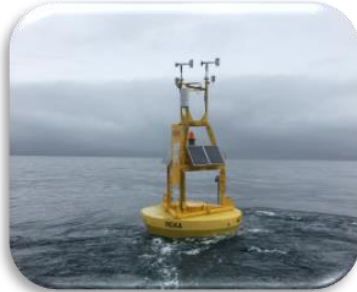
Photo/Video

National Data Buoy Center
February 4, 2020

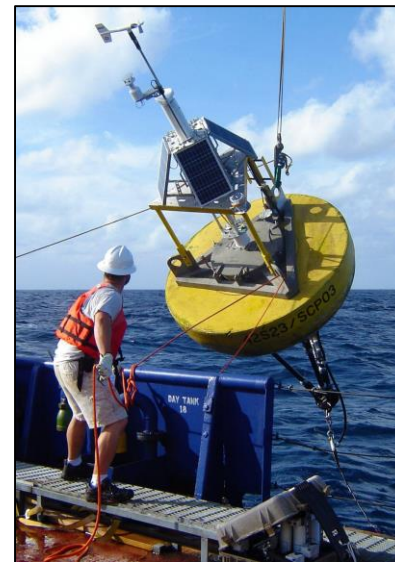
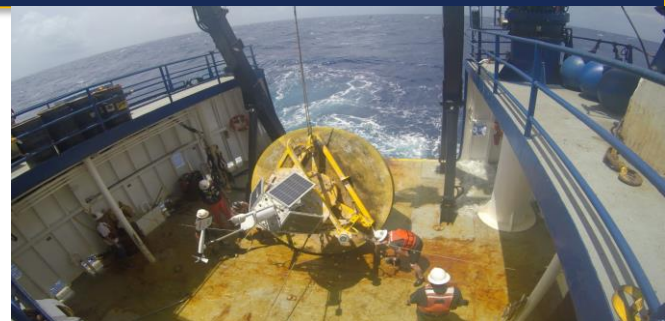
NDBC Sargassum SG601 has been recovered after a successful mission! SG601 provided NDBC Sargassum data and observations from the Gulf of Mexico.

October 2, 2020 · 45
Sargassum data from the Gulf of Mexico

2021 Buoy Operations



Buoy Servicing



National Data Buooy Center Partners



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