National Data Buoy Center

Overview for NASA Enterprise Park Industry Day



February 7, 2018



MCC Operates 24/7/365



High Bay Fabrication



Environmental Chambers



National Data Buoy Center Facilities at SSC, MS



Sensor Testing & Cal



Paint & Sandblasting

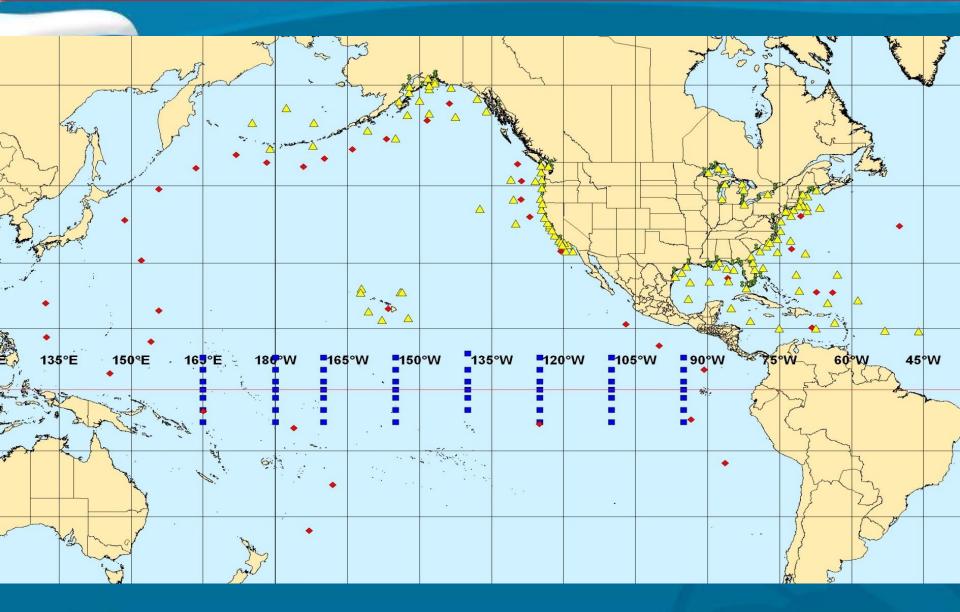


In-Water

Testing

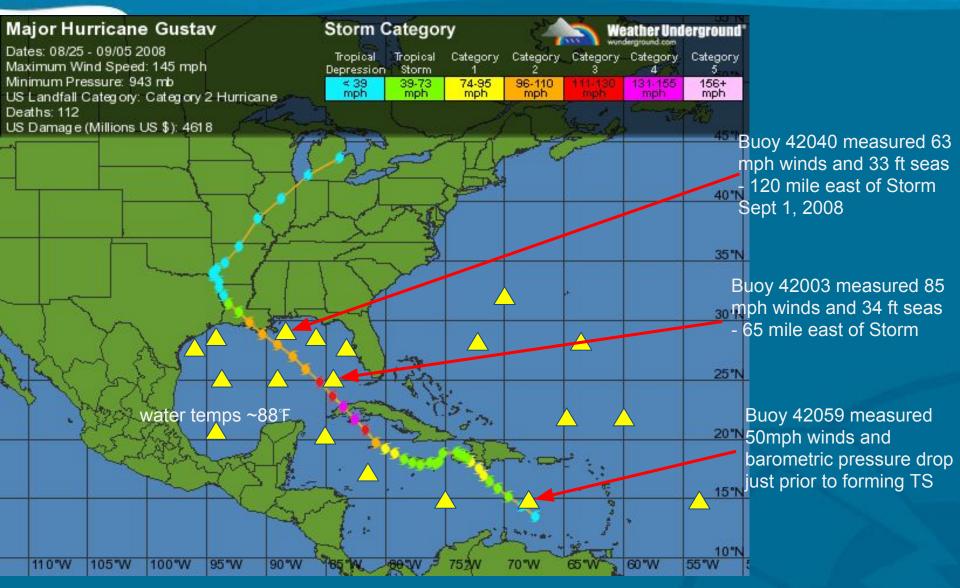
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NDBC's Observing Network



THE REAL PROPERTY OF COMPLEX

Hurricane Gustav Aug 25-Sept 3, 2008



NOAA's "Weather Buoys"



106 Weather-Ocean buoys

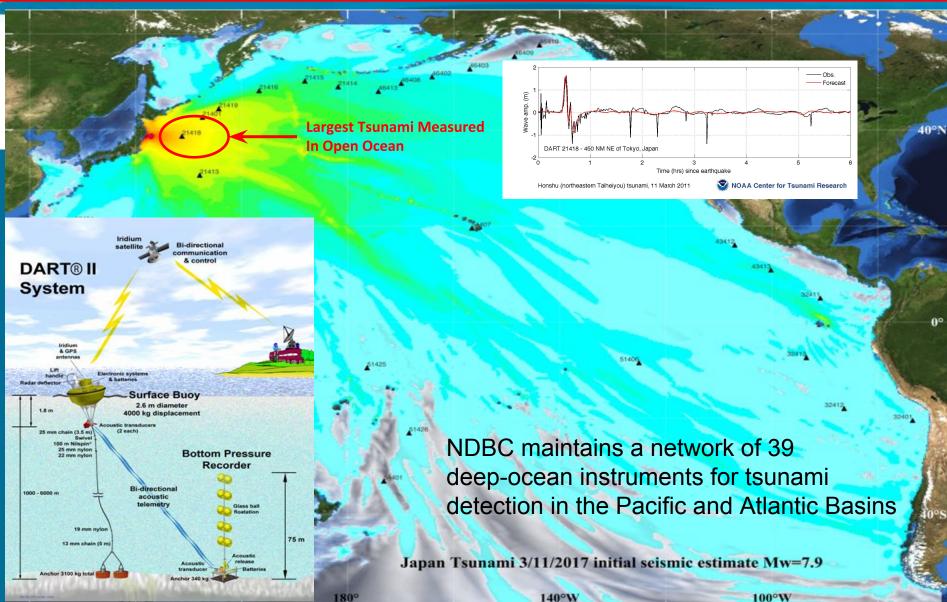
45 Coastal-Marine Automated Network

(On Lighthouses, offshore structures, fishing piers)

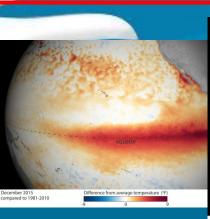


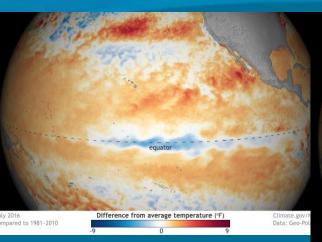
Tsunami Assessment

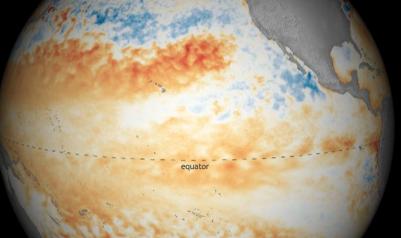




El Niño - La Niña Detection

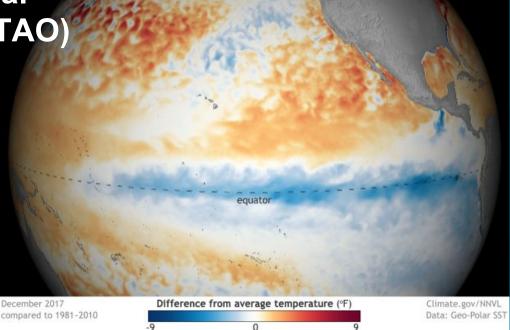






NDBC maintains the Tropical Atmosphere Ocean Array (TAO) in the tropical Pacific

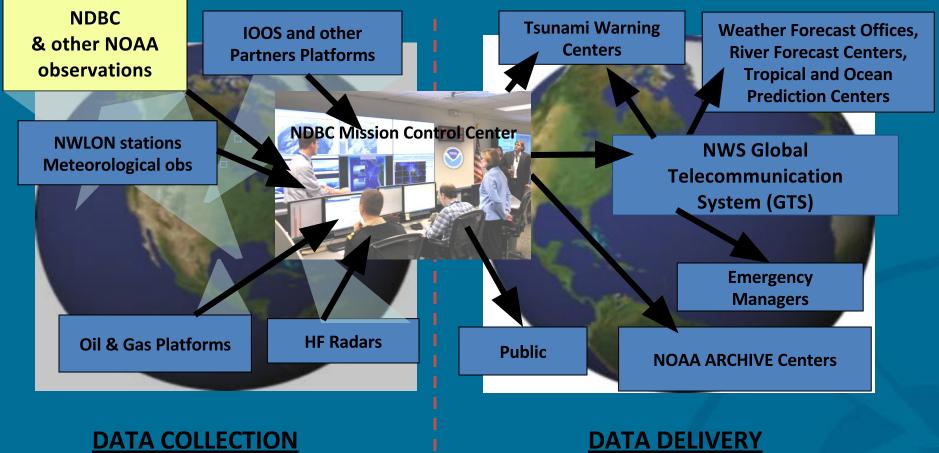




National Data Buoy Center Stennis Space Center on the Mississippi Gulf Coast



To provide a **real-time**, end-to-end capability beginning with the **collection** of marine atmospheric and oceanographic data and ending with its transmission, **quality control and distribution**.



NDBC Staff

NDBC Federal staff - 40 FTE's USCG Liaison Office - 4 Officers and 1 Civilian NOAA Corps Officer Tech Services Contract currently with Pacific Architects and Engineers Broad SOW across all NDBC activities Level of Effort is about 130 FTE's including subcontractors



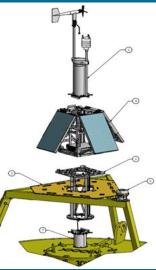
Outsourcing of Technical Expertise, Services & Buoy Components



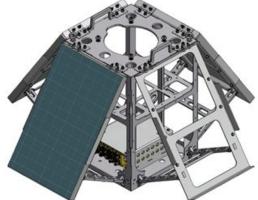
- Buoy structure hulls, masts, racks
- COTS ready to deploy buoy systems
- Circuit boards
- Common and Specialized parts and materials
- Sensors
- Power generation and storage technologies
- Communications technologies
- Materials analysis and testing
- Destructive and non-destructive testing
- Buoy deployment vessel services
- And on and on...















What questions do you have?

National Data Buoy Center Stennis Space Center, MS

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