Marine Sediment Sampling Facility (MARSSAM) Annual Update

UNOLS 2021

2021 Shipboard Activities

- *R/V Pelican (03/21) – multicoring supplies and consumables*
- *R/V Sikuliaq (05/21-06/21) - multicoring supplies and consumables*
- *R/V Point Sur (05/21) – RIC-4000 vibracoring (BOEM contract)*
- *R/V Endeavor (08/21) – jumbo piston and large diameter gravity coring*
- *R/V Oceanus (09/21) – box coring (USACE contract)*
- *R/V Savannah (10/21) – multicoring supplies and consumables*
- *R/V Pelican (10/21-11/21) – jumbo piston and large diameter gravity coring*
- *R/V Armstrong (11/21) – RIC-5500 vibracoring training (WHOI ship time)*

Early 2022 Shipboard Activities

- Jan 2022 - NSF-funded cruise aboard R/V Garvin (PI Donnelly) vibracoring for storm deposits in the Bahamas

- Feb 2022 – NSF funded cruise aboard R/V Atlantis (PI D'Hondt) piston coring in the Puerto Rico Trench

Breaking records

Scientists just dug the deepest ocean hole in history

By Brandon Specktor   May 21, 2021

The team drilled a hole nearly 5 miles (8,000 m) below the Pacific Ocean's surface to study the region's earthquake history.

The research vessel Kaimei cruises the Pacific Ocean near the Japan Trench. (Image credit: JAMSTEC)
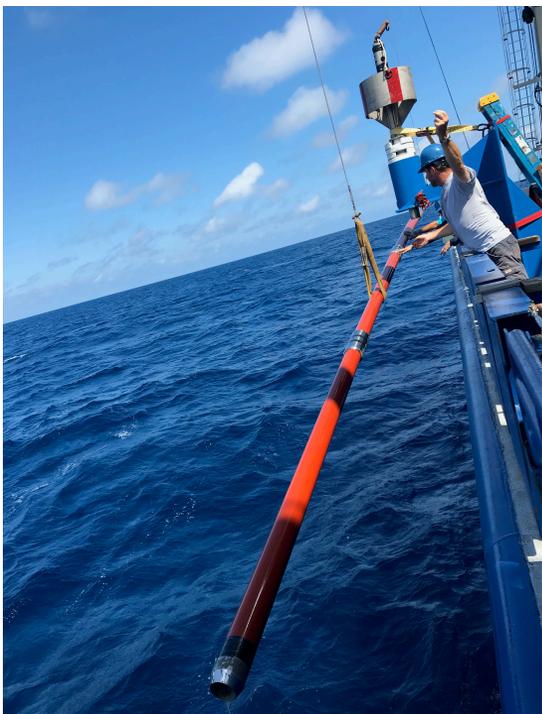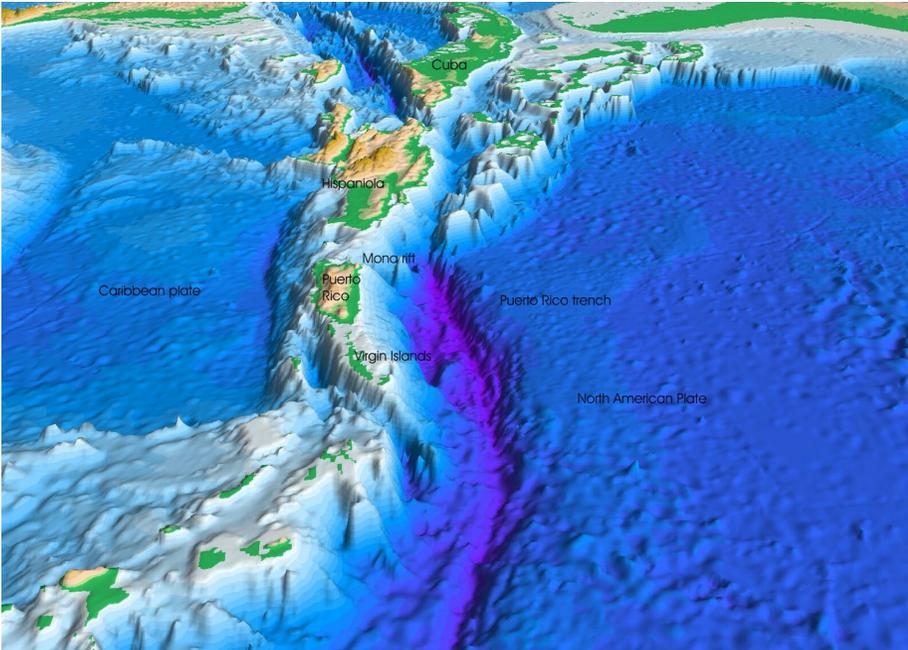
Breaking records

The research vessel Kaimei cruises the Pacific Ocean near the Japan Trench. (Image credit: JAMSTEC)

Breaking records

Jumbo Piston Cores from deepest point of Atlantic Ocean: Puerto Rico Trench

Will use 'Astronaut' Piston Coring System aboard R/V Armstrong

Modified w/mechanical trigger due to extreme water depths and steep bathymetry

2021 Equipment Updates: Vibracorers

- Have added Ocean Instruments RIC-4000 and RIC-5500 vibracoring systems to MARSSAM inventory

- Have resurrected old LUMCON Alpine vibracoring system

Training and Outreach

Coring PI training scheduled aboard R/V Revelle in August 2022

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