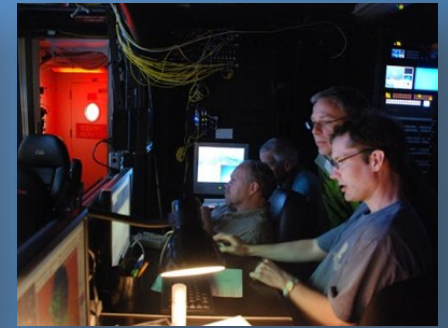




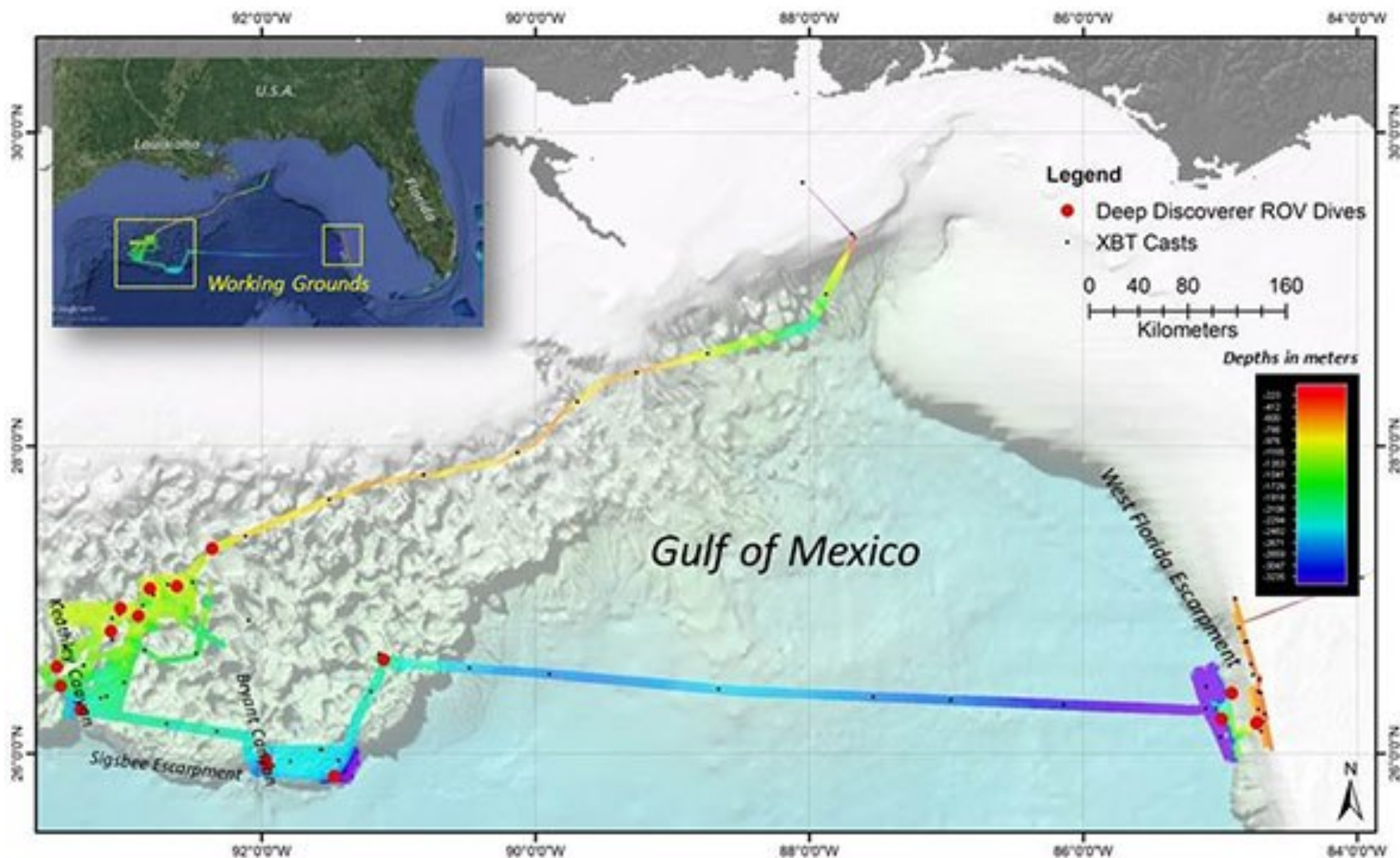
NOAA Report Spring 2014

DESSC 2014 Spring Meeting
June 19, 2014 Woods Hole, MA

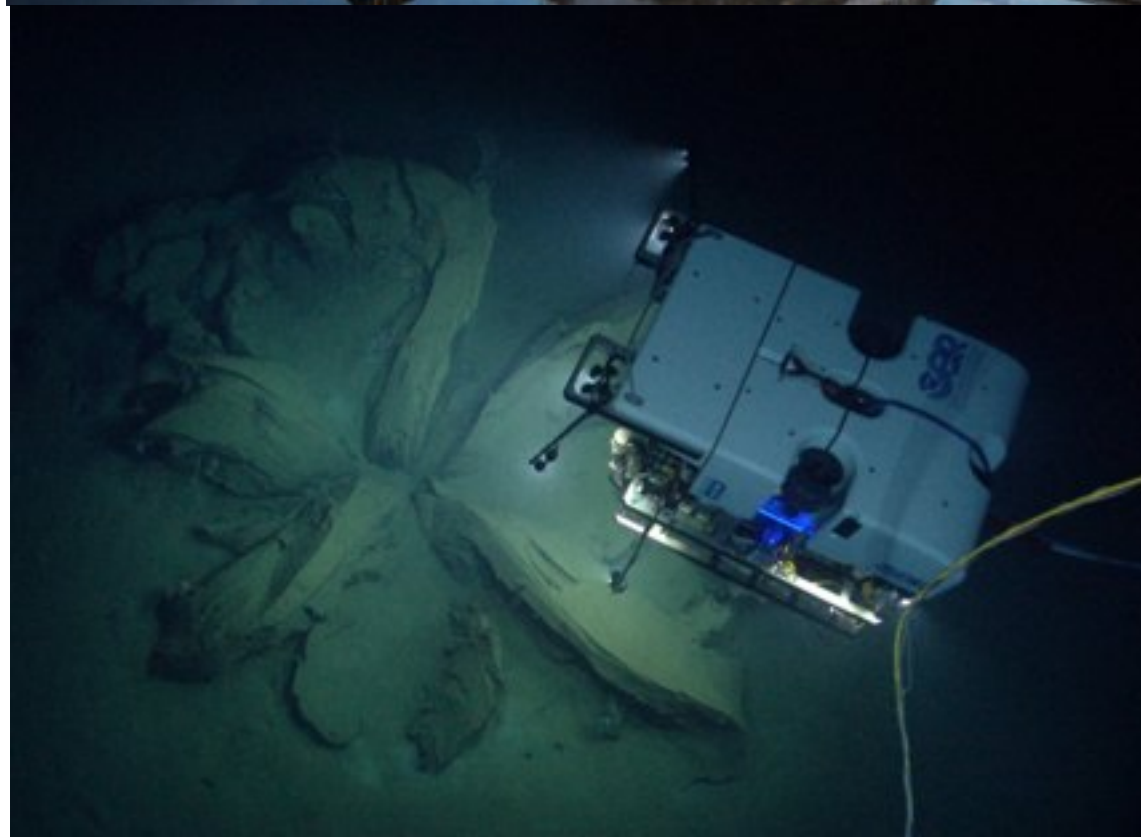
Brian Kennedy
Expedition Coordinator
NOAA Office of Ocean Exploration and Research
Brian.Kennedy@noaa.gov

2014 Okeanos Explorer Field Season





NOAA Office of Ocean Exploration and Research
NOAA Ship *Okeanos Explorer*
2014 Gulf of Mexico Expedition
EX-14-02 Leg 3
April 10 – May 1, 2014



OKEANOS EXPLORER : GULF OF MEXICO 2014

outreach: BY THE NUMBERS

40,000 followers
on twitter

A grid of 40 small blue human icons arranged in 4 rows and 10 columns.

13% facebook likes

A blue upward-pointing arrow with four horizontal bars inside it. Below the arrow is a row of 13 small blue human icons.

+5,500 youtube subscribers

A row of 11 small blue human icons.

+170 newspaper articles, blog posts, radio/tv spots...



Discover

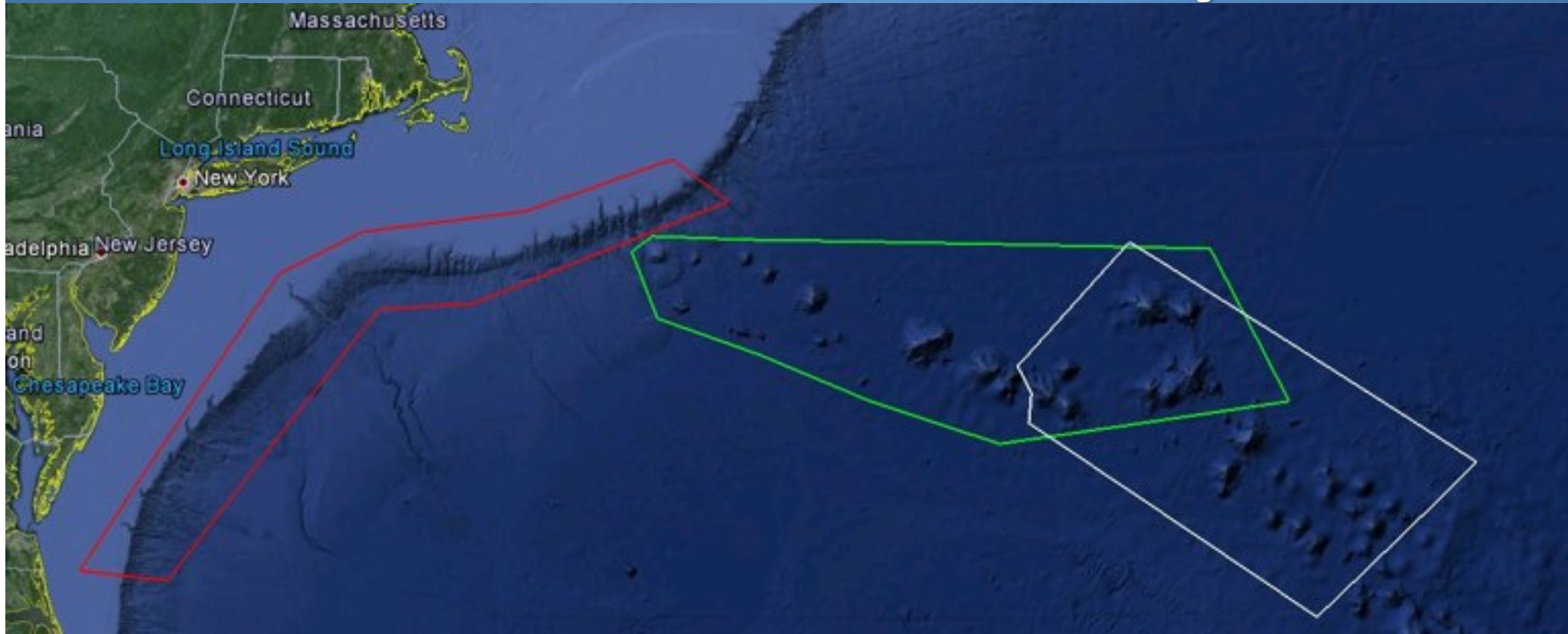


MORE THAN ONE HUNDRED THOUSAND views to oceanexplorer.noaa.gov expedition content

daily updates: **20**
mission logs: **12**
videos: **+20**
photos: **+100**

+700,000 HITS TO **LIVE** VIDEO STREAM

2014 Okeanos Explorer Upcoming Work: Seamounts and Canyons



- 1 Dedicated mapping cruise
- 2 ROV cruises
- 13 Seamount dives planned
- 11 Canyon dives planned
- Participation in the Star Spangled Spectacular in Baltimore, MD

A scientific instrument, likely a CTD (Conductivity, Temperature, and Depth) rosette, is being lowered into the ocean by a crane. The instrument is white and black, with various sensors and a Nasa logo. It is suspended by a cable and is positioned just above the water's surface, where a splash is visible. The background shows a blue sky and a blue ocean with waves.

Okeanos Explorer 2015 Plans

- Approximately 175 Days at sea on the Okeanos Explorer
- 1 expedition in the Gulf of Mexico
- 1 expedition in the Caribbean
- 1 expedition in the North West Hawaiian Islands
- Remain in the Pacific through the beginning of 2016

PMEL NeMO Project 2014

August 2014: 13 DAS

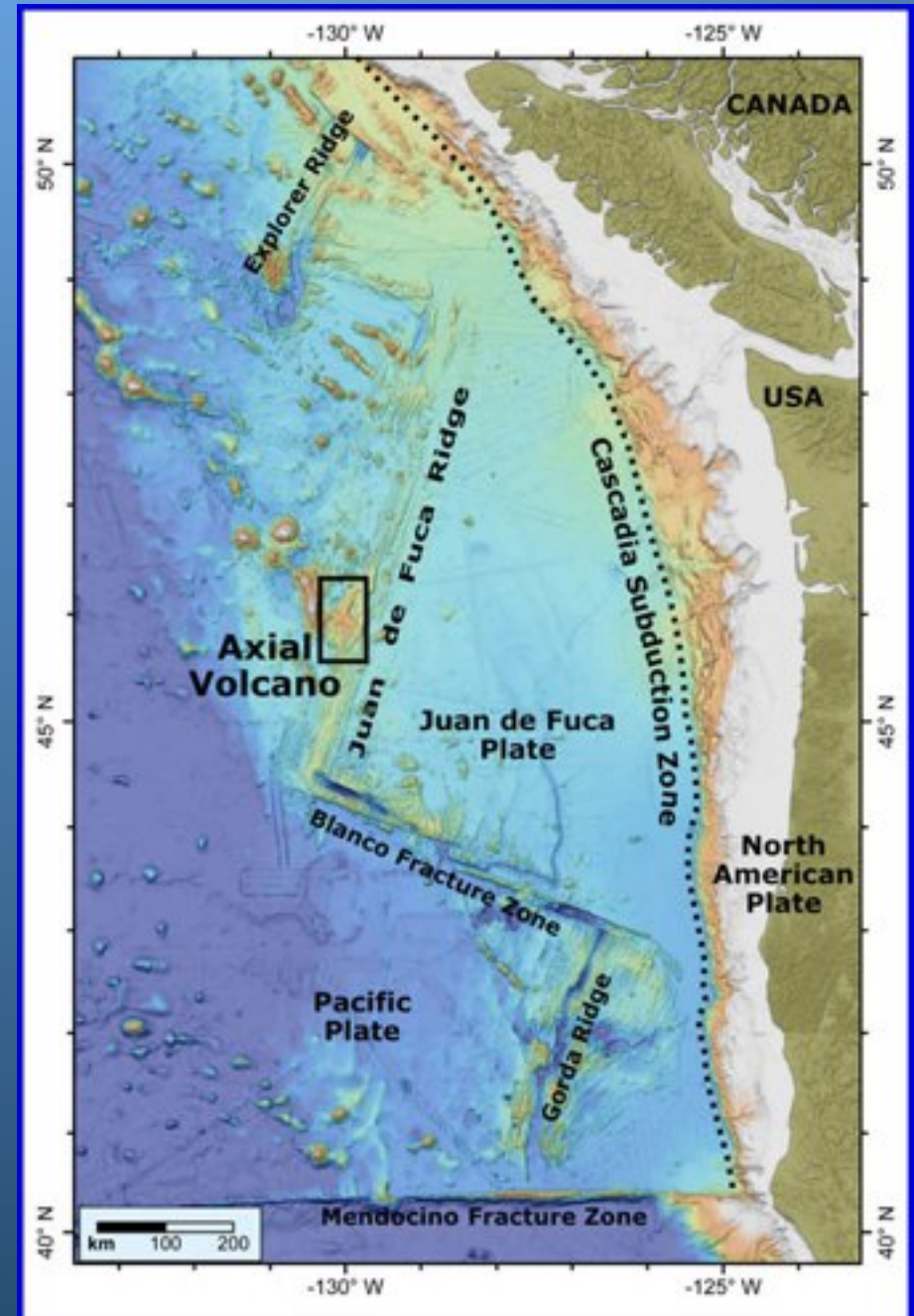
PI's: David Butterfield & Bill Chadwick

Many partners:

NOAA, NSF, UNOLS, PMEL

NOAA Ship Brown with *Jason II*

Long-term time series chemistry and microbiology



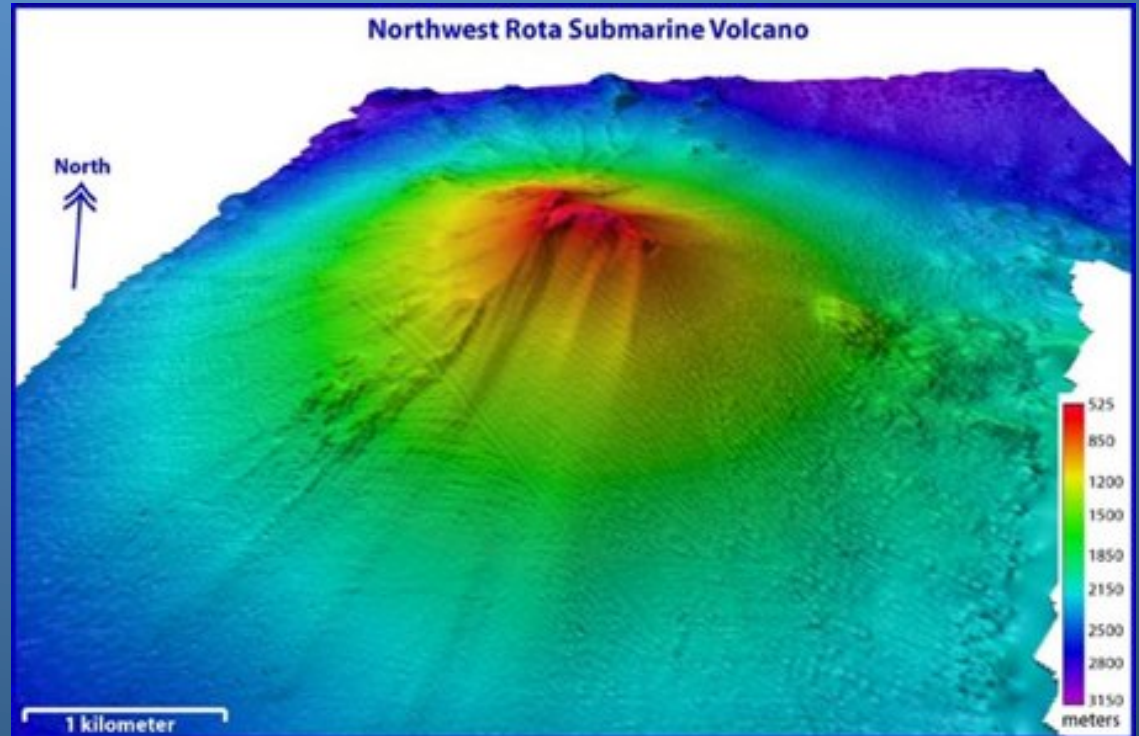
PMEL CO₂ Output Project 2014

November/December 2014: 3
DAS

PI's: Bob Embley & Bill
Chadwick & Joseph Resing

RV Thompson with *Jason II*

Quantify the CO₂ output of
the NW Rota-1 submarine
volcano



Boeing *Echo Ranger* Pilot AUV Mission 2014

- OER in partner ship with NMFS and Boing are testing their Large Displacement AUV Echo Ranger for ground fish surveys
- Water column and bathymetric sonars as well as 3D optical camera



Questions?

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