## Results from recent Jason dives on Mariana Arc volcanoes: Submarine Ring of Fire 2006

R/V Melville

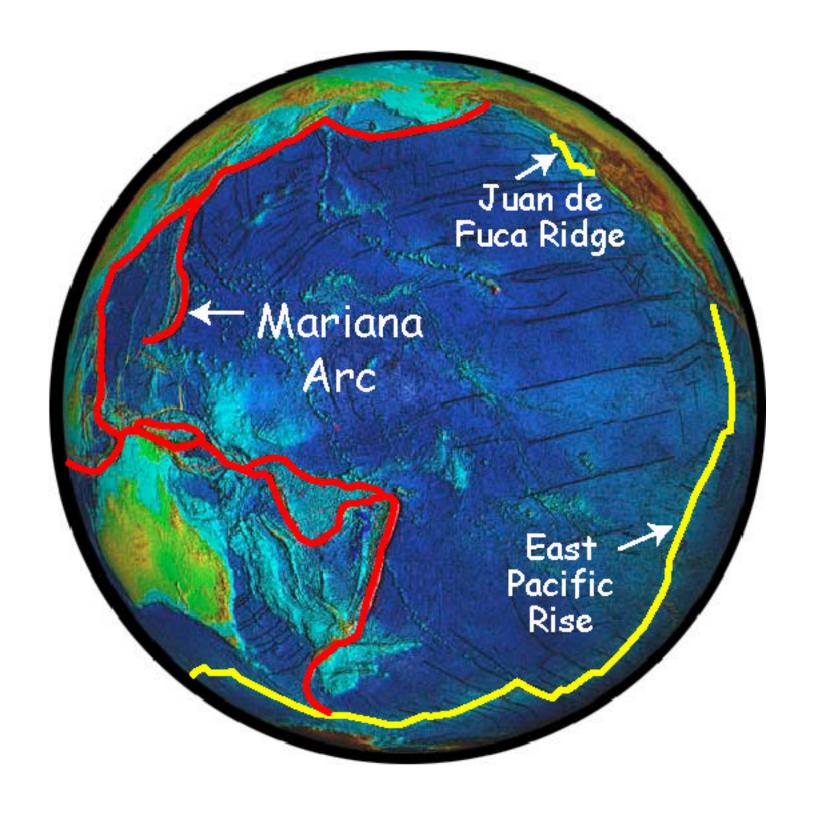
April 18 - May 13, 2006 Guam to Japan

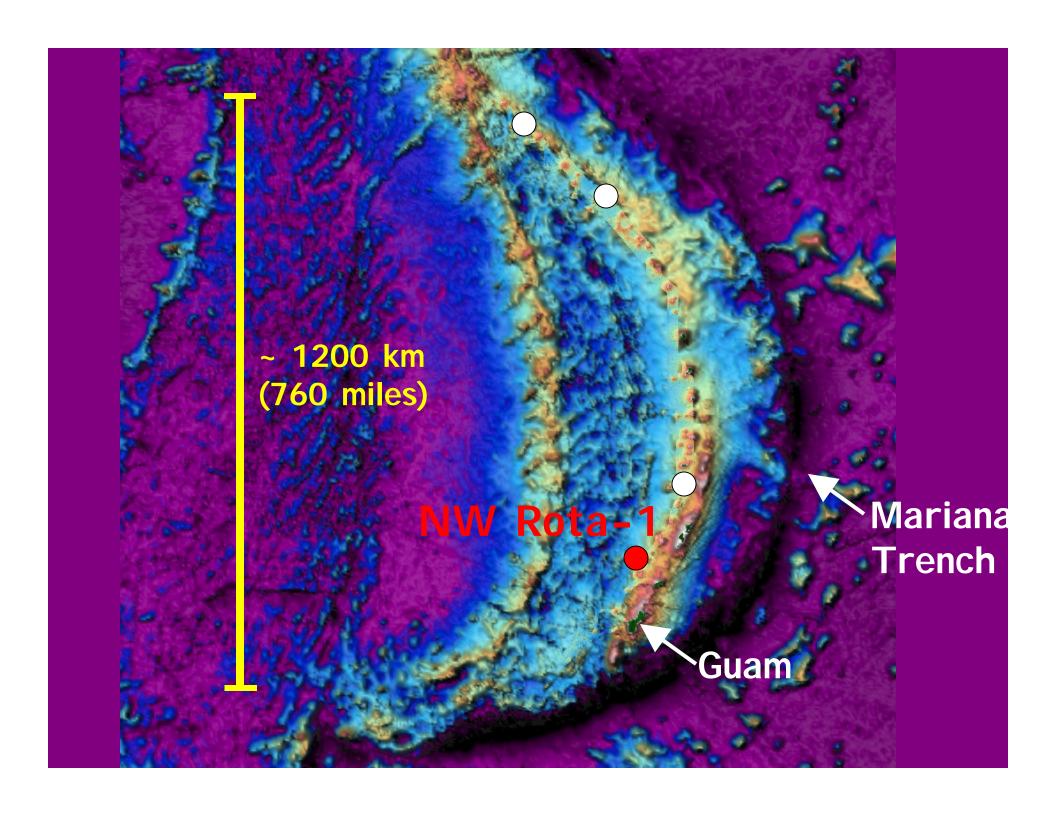
Supported by:

NOAA Office of Ocean Exploration NOAA VENTS Program

## Purpose

- •WOW! Exciting results from exploration of hydrothermal activity on submarine arc volcanoes
- Assessment of new equipment on Jason and feedback from a new user







NW Rota-1 Volcano

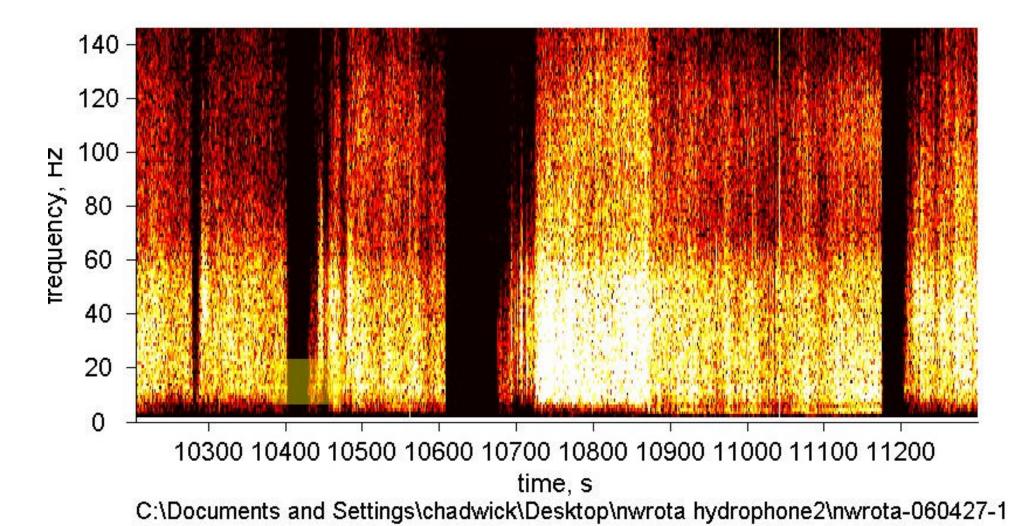
2003: CTDs & mapping

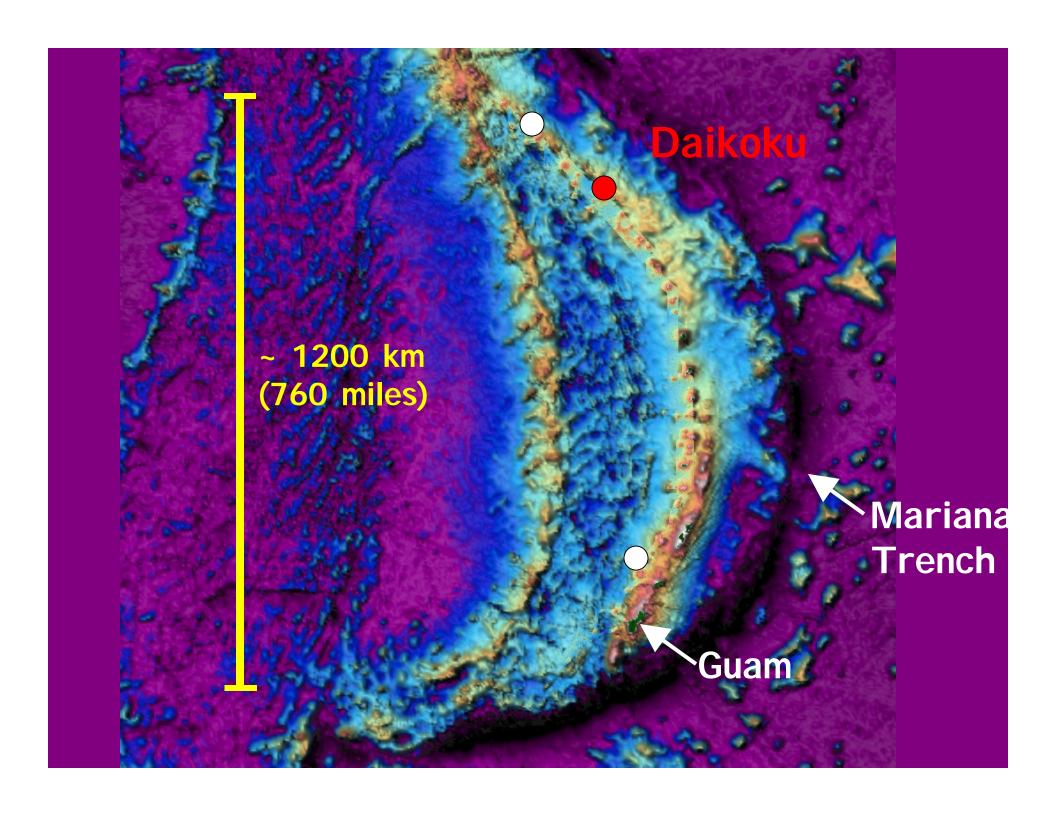
2004: ROPOS dives

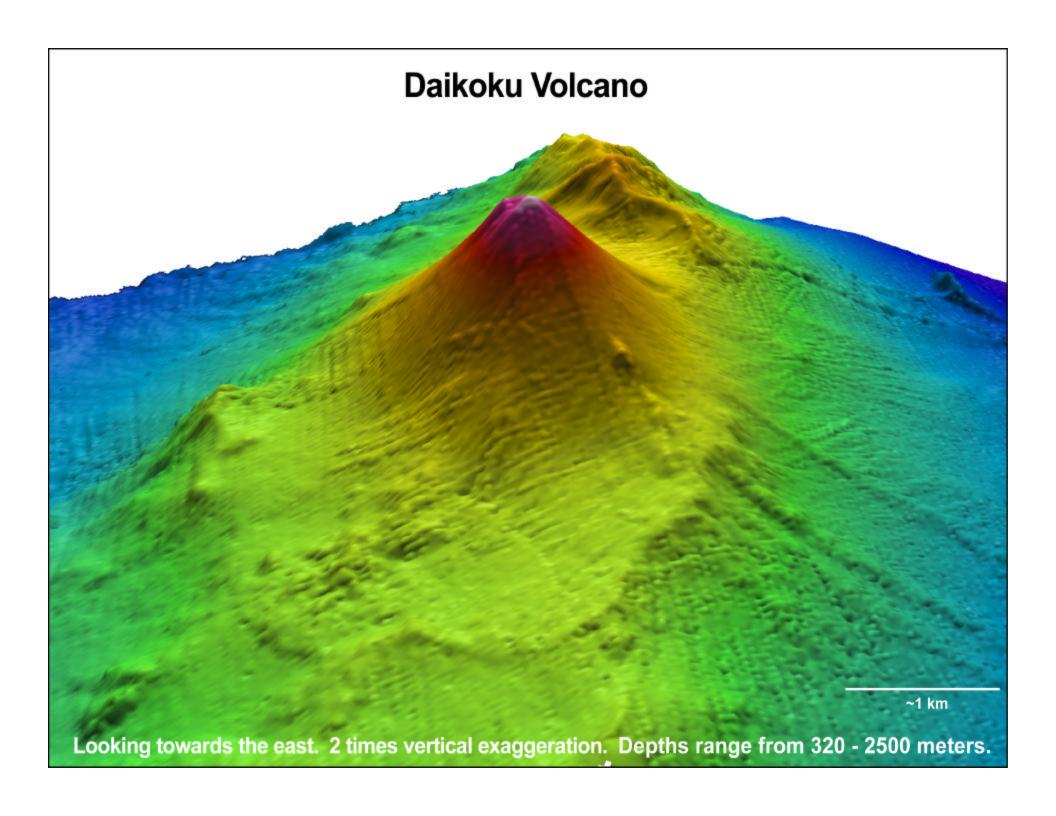
2005: HyperDolphin dives

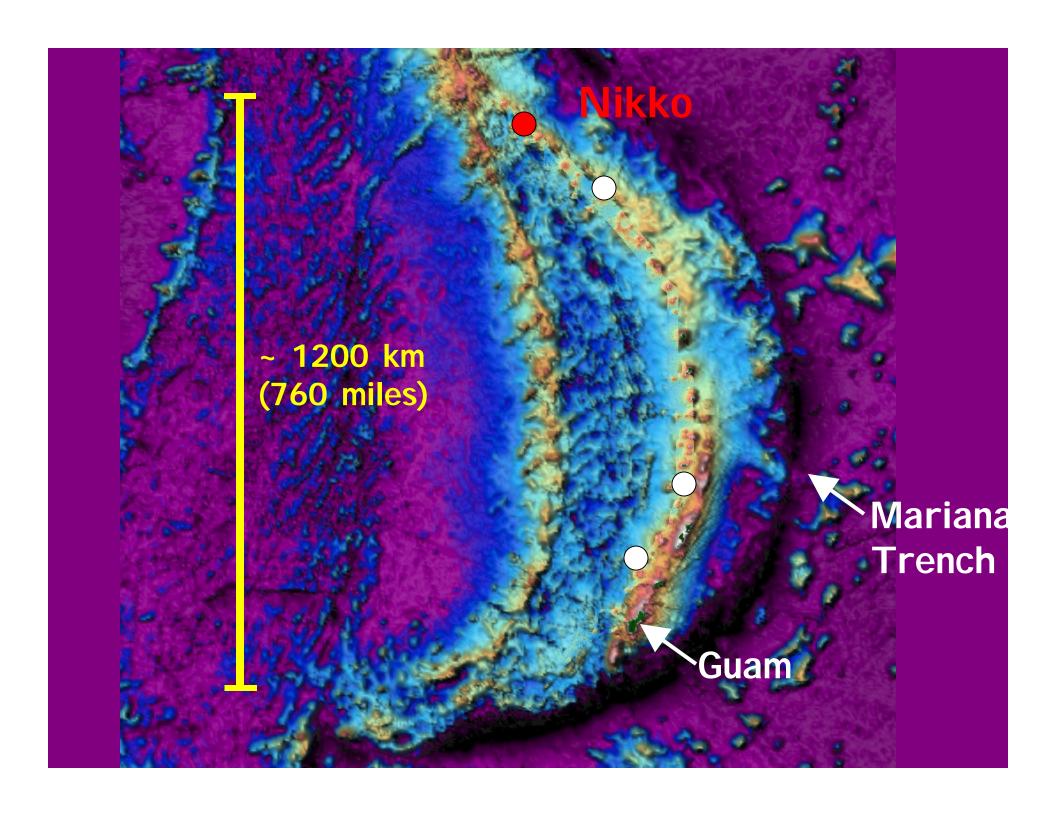
(Nature paper)

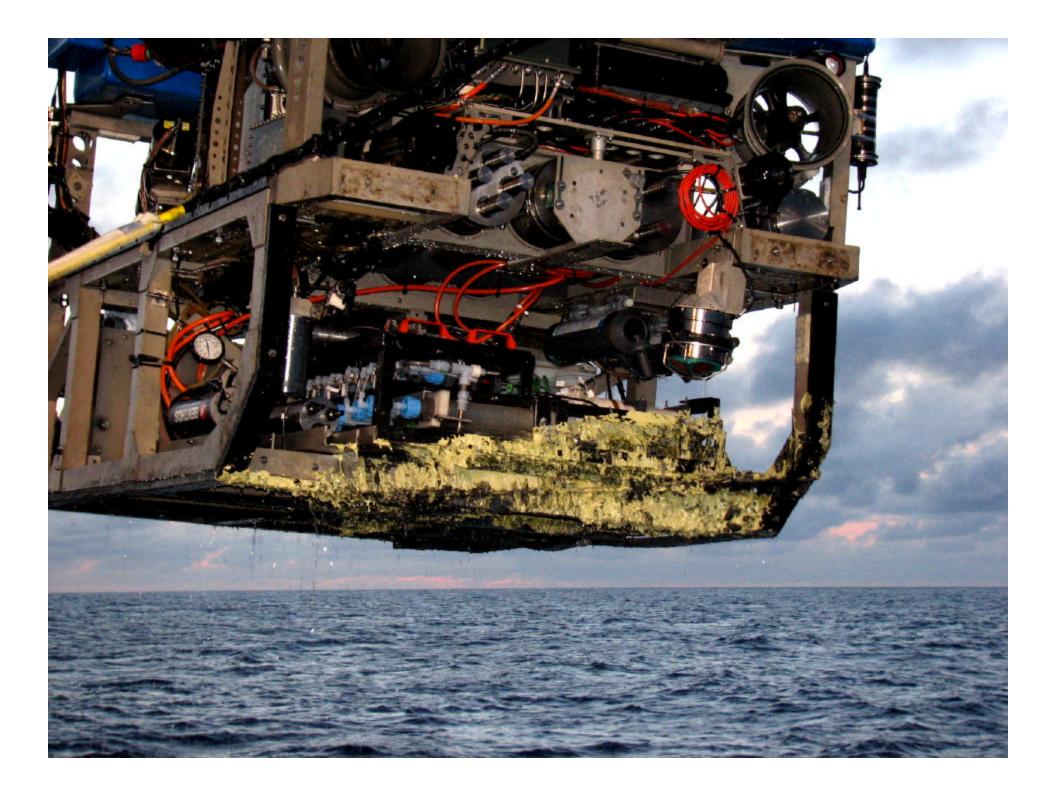
2006: Jason dives















## Report on Jason operations

- Vehicle and crew very capable
- Room for improvement:
  - LBL navigation
  - 3-chip video camera
  - Digital Still Camera
  - Suction sampler

http://oceanexplorer.noaa.gov/explorations/06fire/

