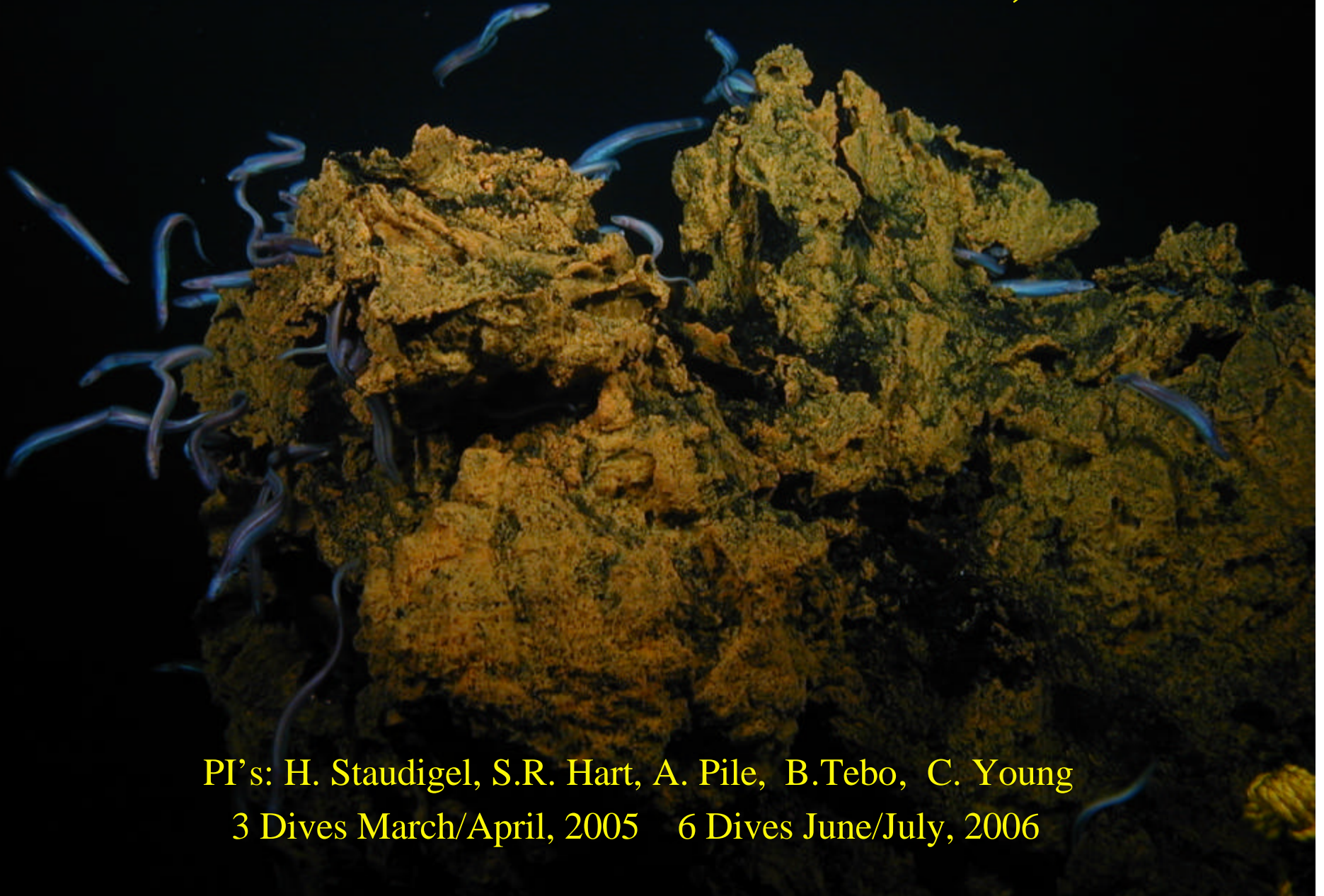
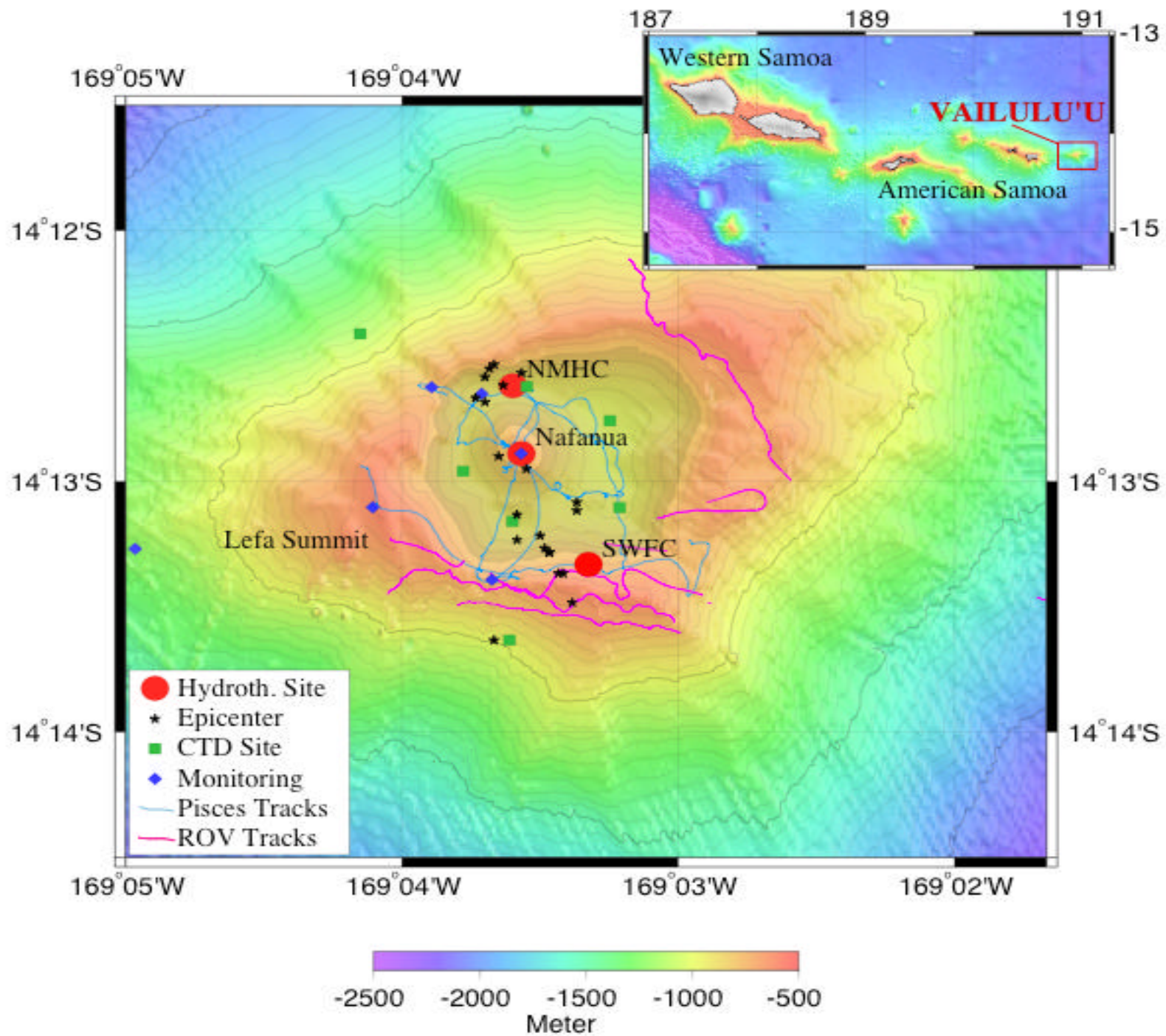


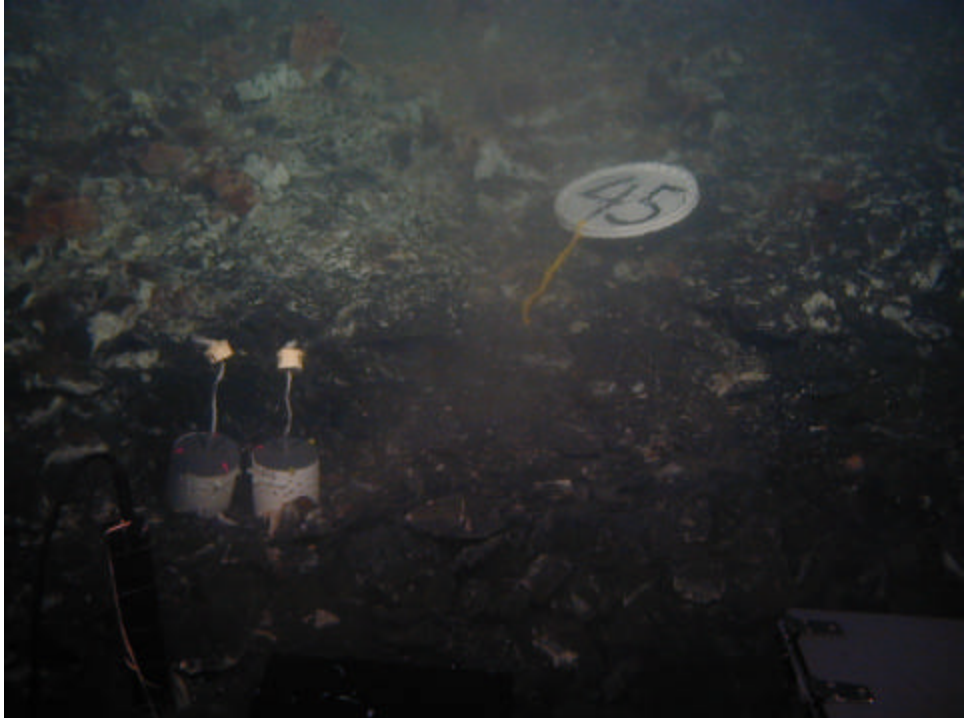
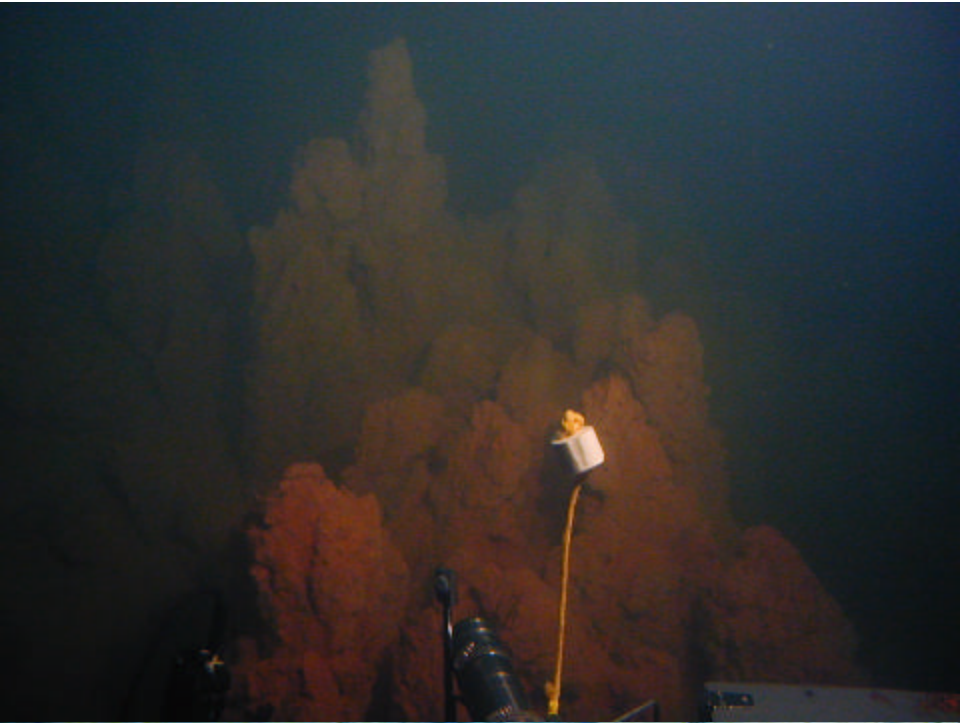
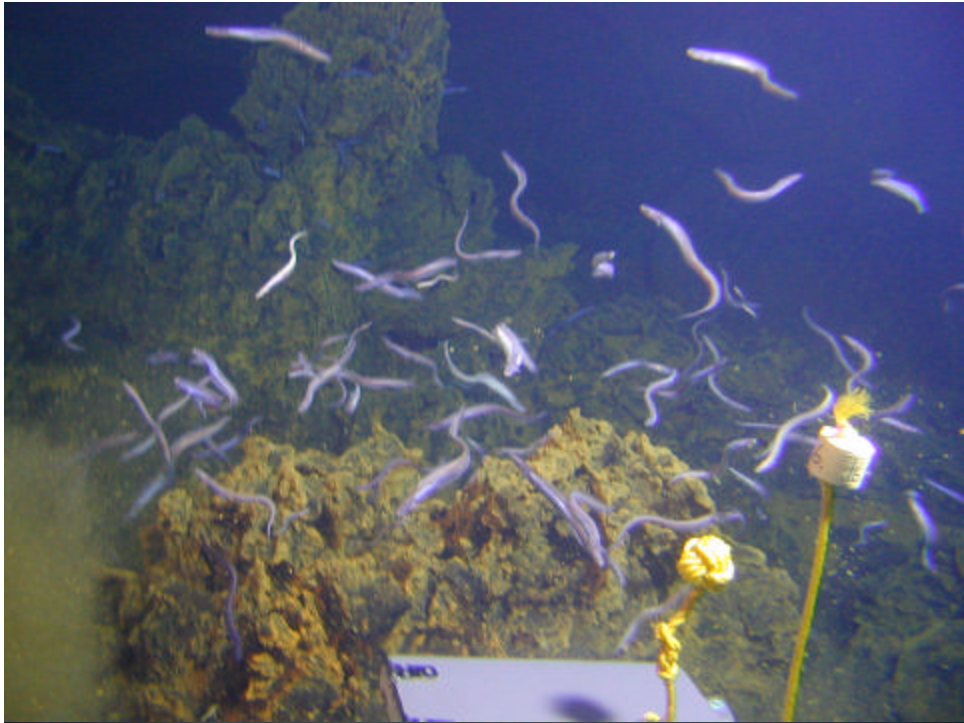
Pisces
March/April
Hubert Staudigel

Pisces V on Vailulu'u Seamount, Samoa



PI's: H. Staudigel, S.R. Hart, A. Pile, B. Tebo, C. Young
3 Dives March/April, 2005 6 Dives June/July, 2006





Pisces
April/May
Bob Embley

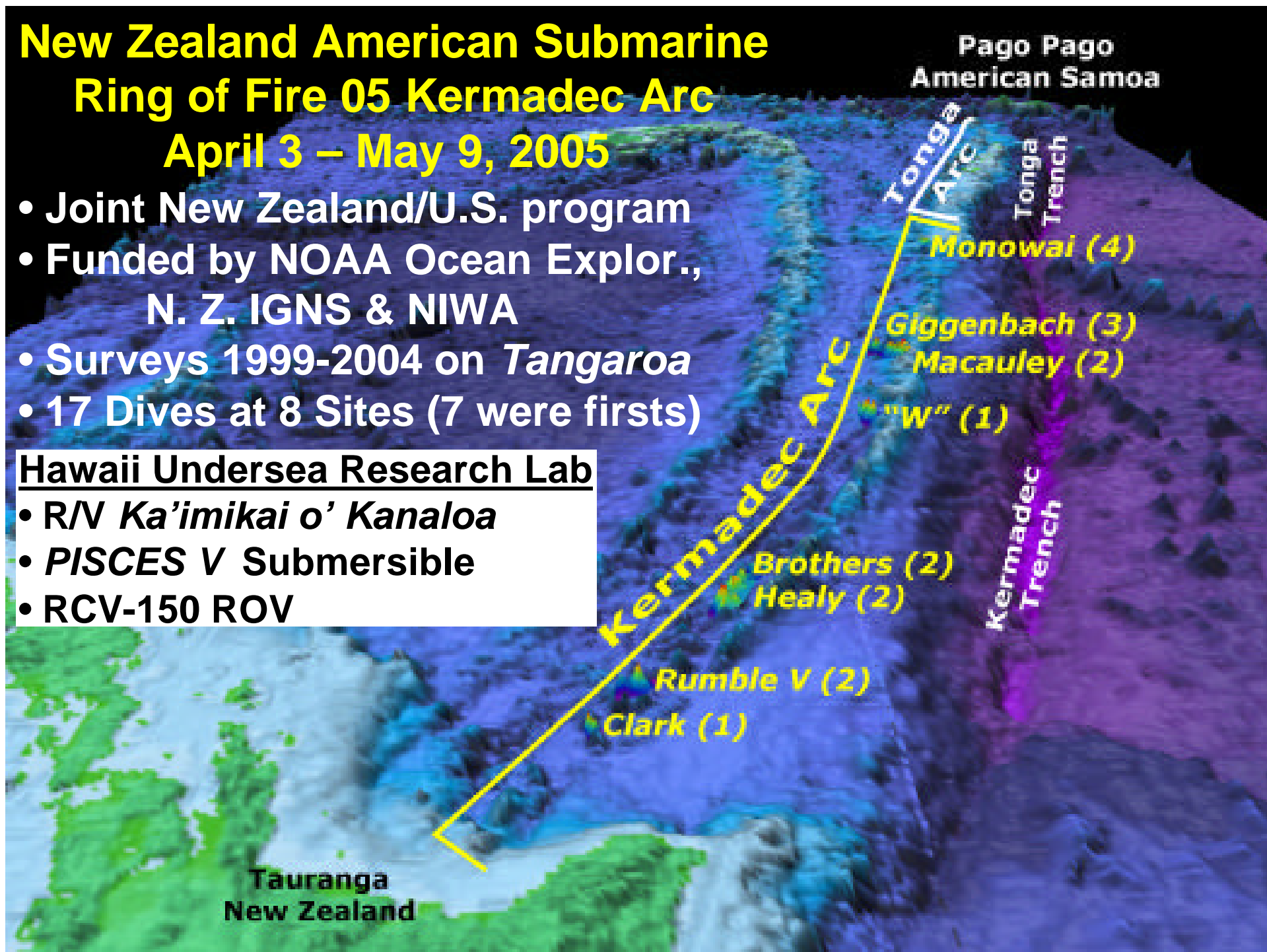
New Zealand American Submarine Ring of Fire 05 Kermadec Arc

April 3 – May 9, 2005

- Joint New Zealand/U.S. program
- Funded by NOAA Ocean Explor.,
N. Z. IGNS & NIWA
- Surveys 1999-2004 on *Tangaroa*
- 17 Dives at 8 Sites (7 were firsts)

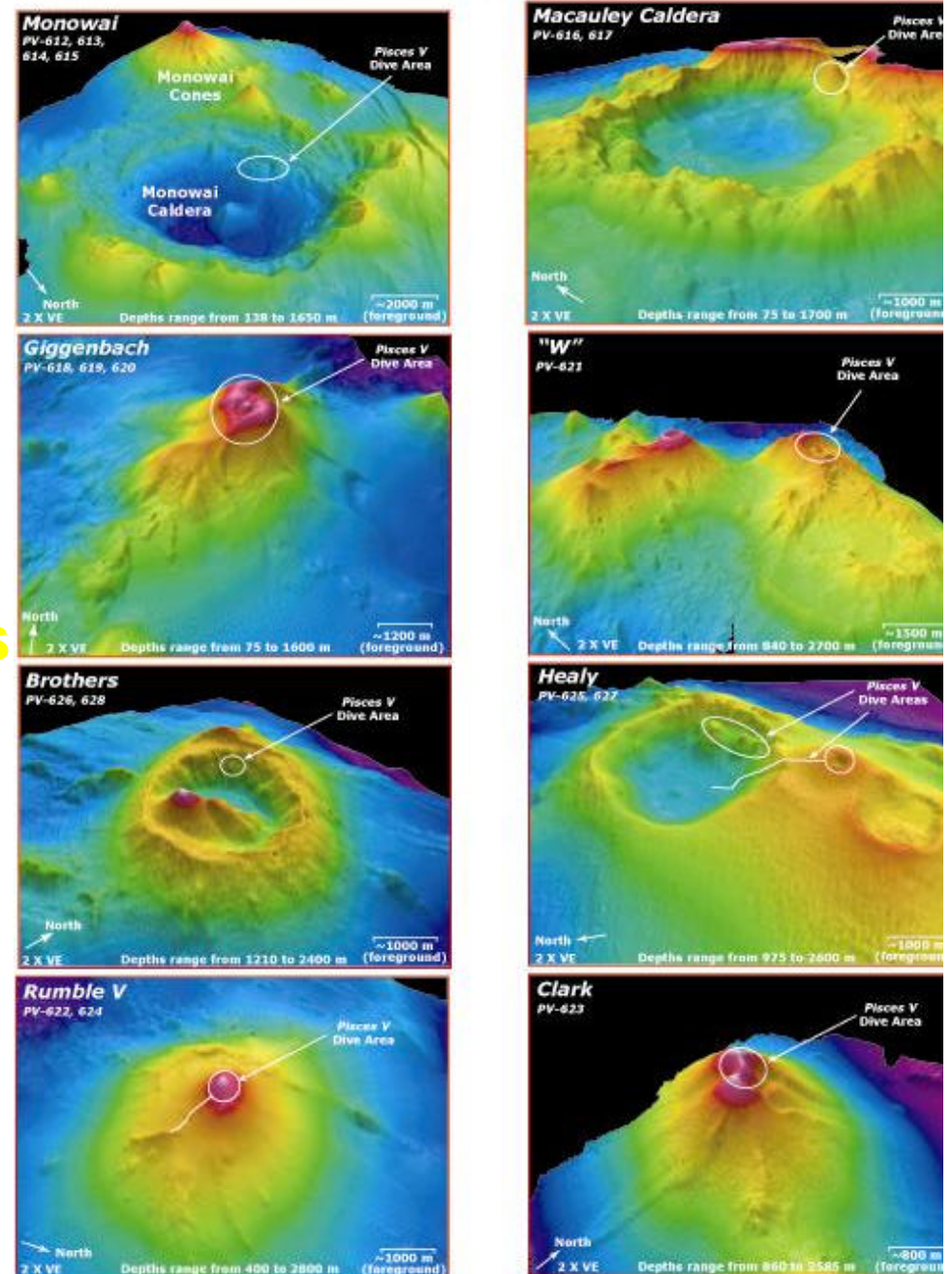
Hawaii Undersea Research Lab

- R/V *Ka'imikai o' Kanaloa*
- *PISCES V* Submersible
- RCV-150 ROV



**New Zealand American Submarine Ring of Fire 2005
Kermadec Arc Submarine Volcanoes - *Pisces V* Dive Areas**

- Magmatic degassing appears to be common at arcs
- Biological productivity appears to be very high (vs. MOR vents?)
- Chemosynthetic communities less diverse but ea. volcano has unique biota
- Arc Volcanos in active stage(s) present new challenges & opportunities



Bathymetry courtesy of New Zealand Institute of Water and Atmospheric Research

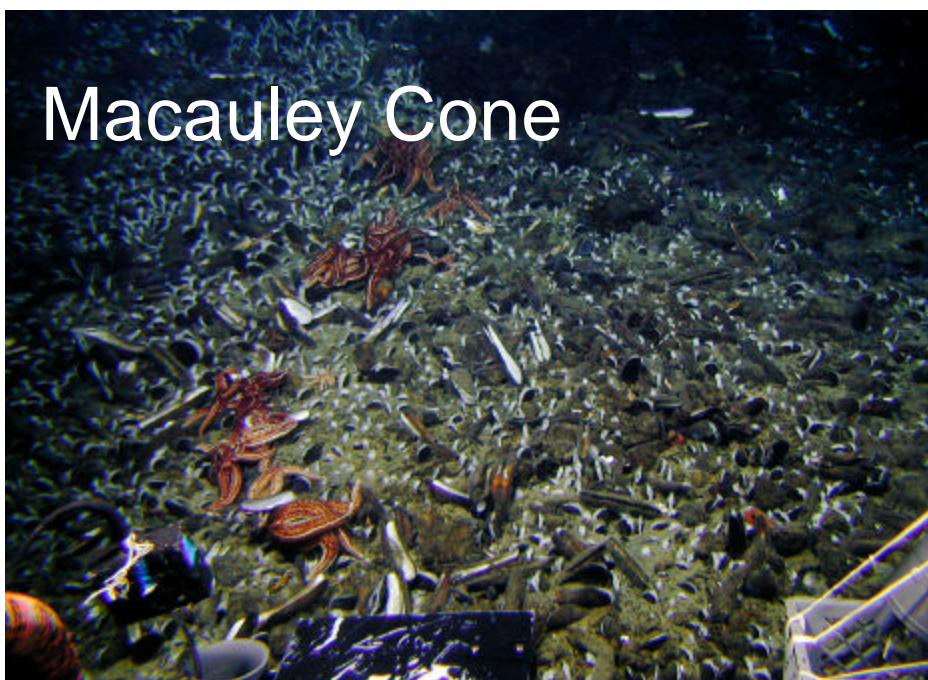
Monowai Caldera



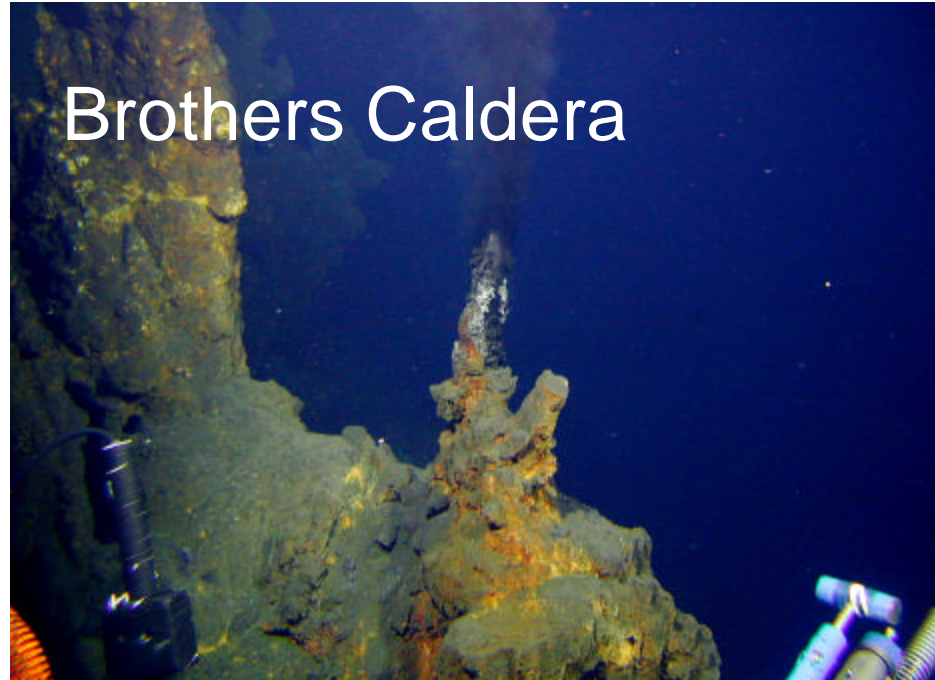
Giggenbach



Macauley Cone



Brothers Caldera





LOST CITY HYDROTHERMAL FIELD EXPEDITION – 2005

Earth Sciences Public Outreach Program

Robert Ballard and Dwight Coleman



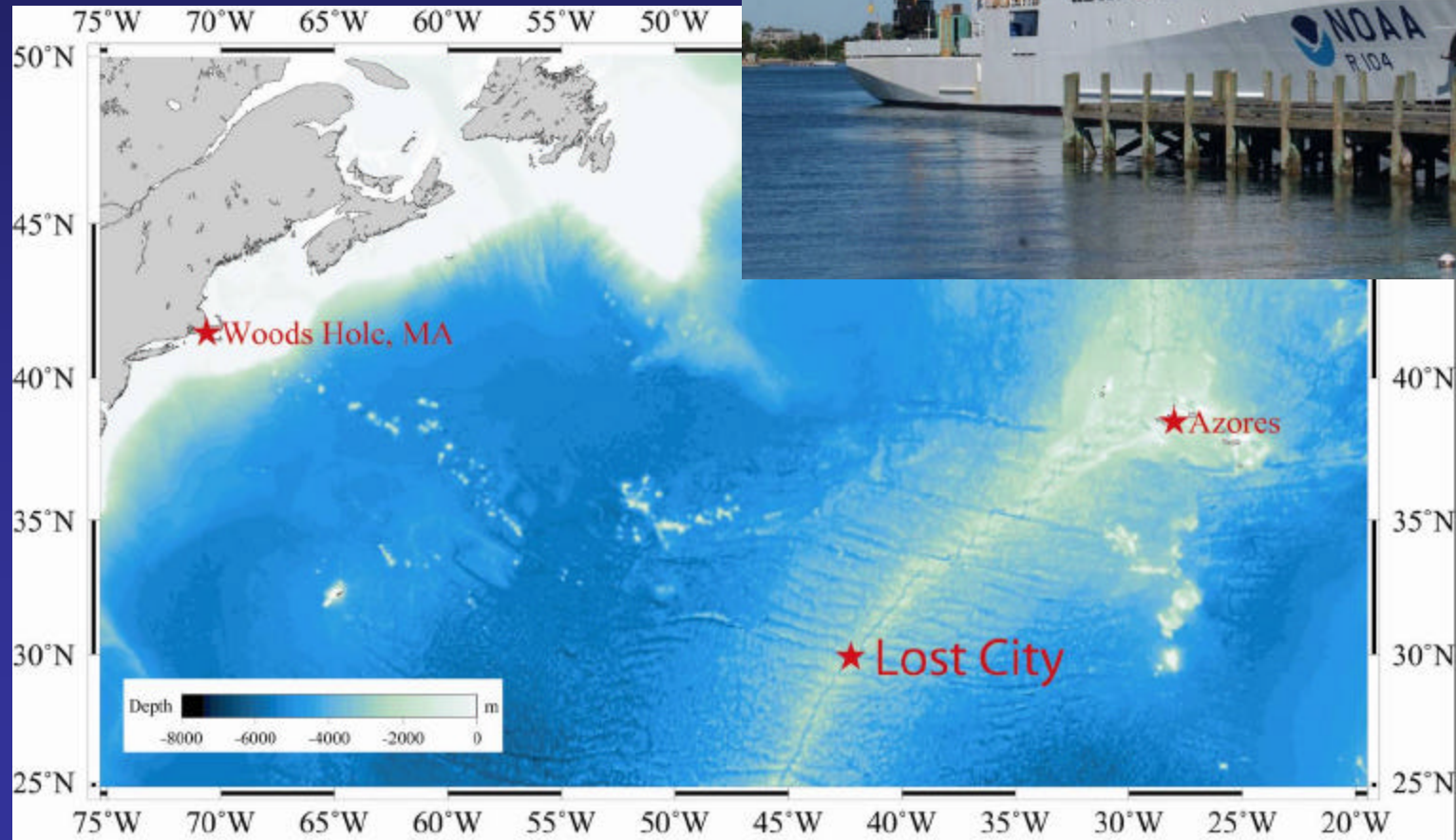
Deborah Kelley



NOAA SHIP RONALD H. BROWN

Woods Hole, MA – Azores

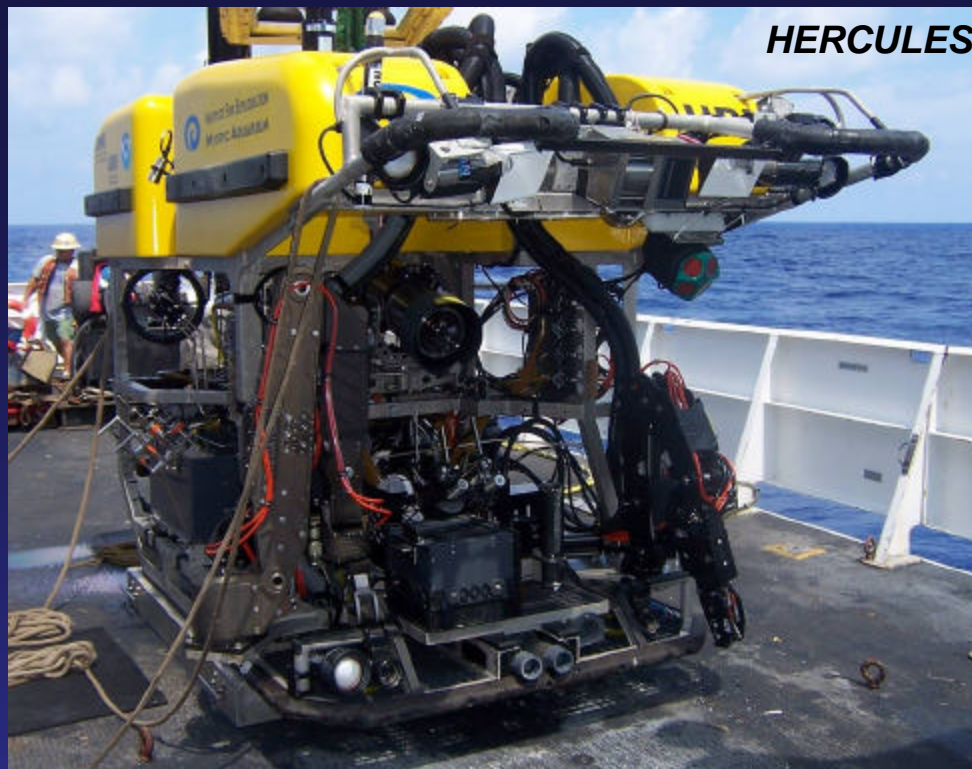
July 17 – August 4, 2005



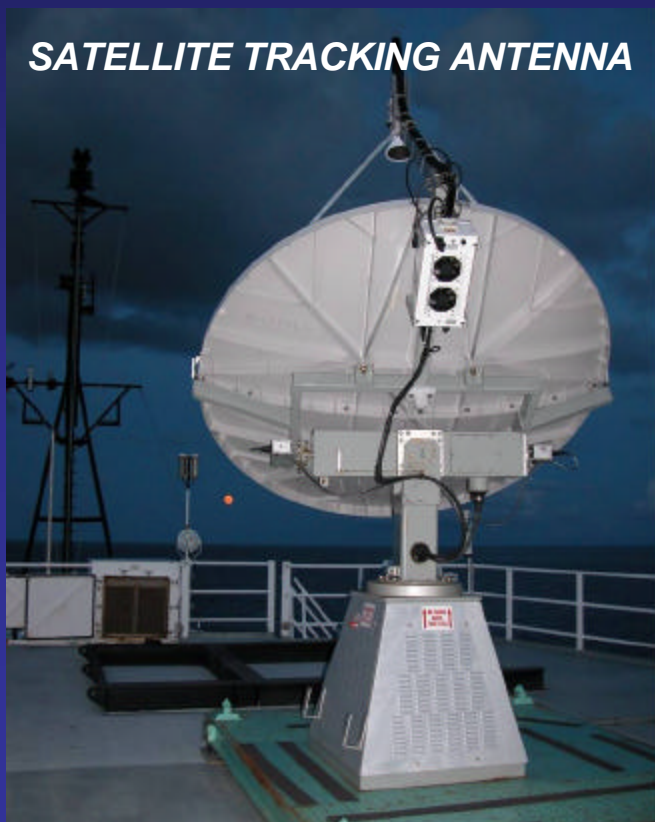
ARGUS



HERCULES



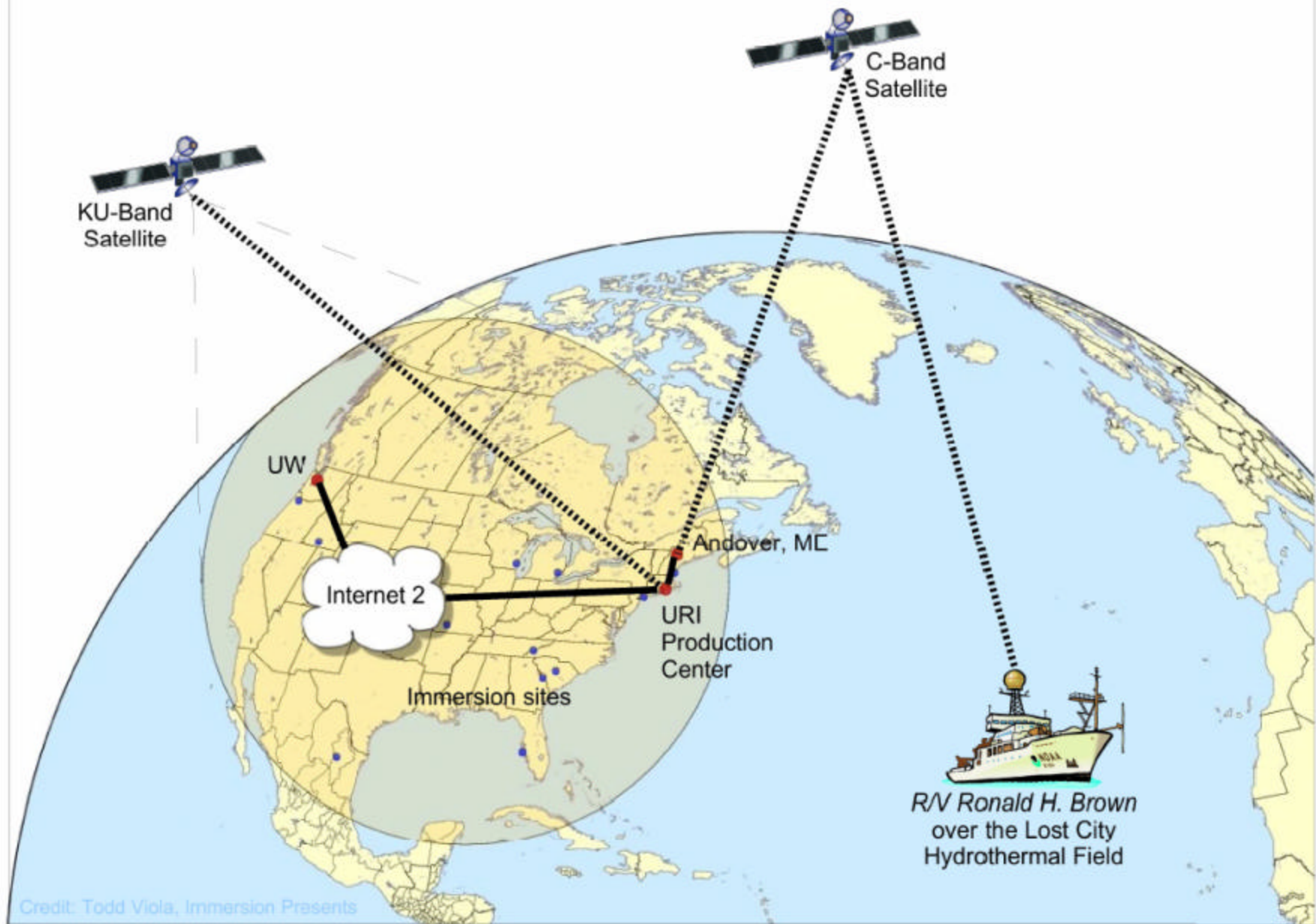
SATELLITE TRACKING ANTENNA



CONTROL VAN



SATELLITE/INTERNET DISTRIBUTION NETWORK



Credit: Todd Viola, Immersion Presents



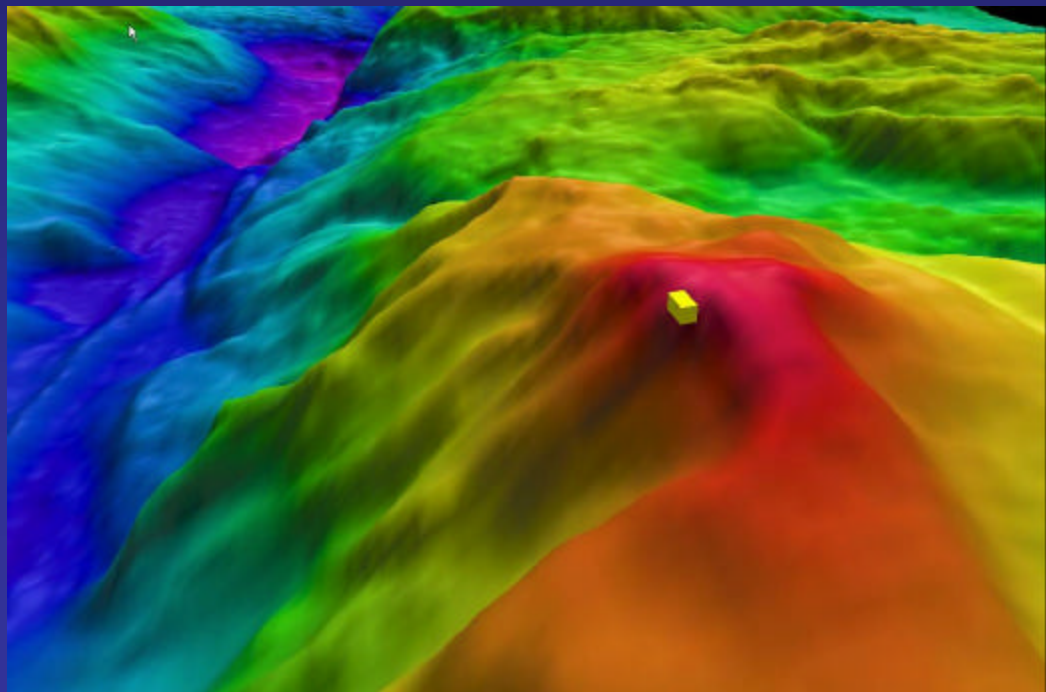
*University of Washington
Command Center*





University of New Hampshire

Command Center



NOAA Ship Okeanos Explorer



NOAA's Office of Ocean Exploration



University of Rhode Island Inner Space Center



New Pell Library at GSO



Bar Hill



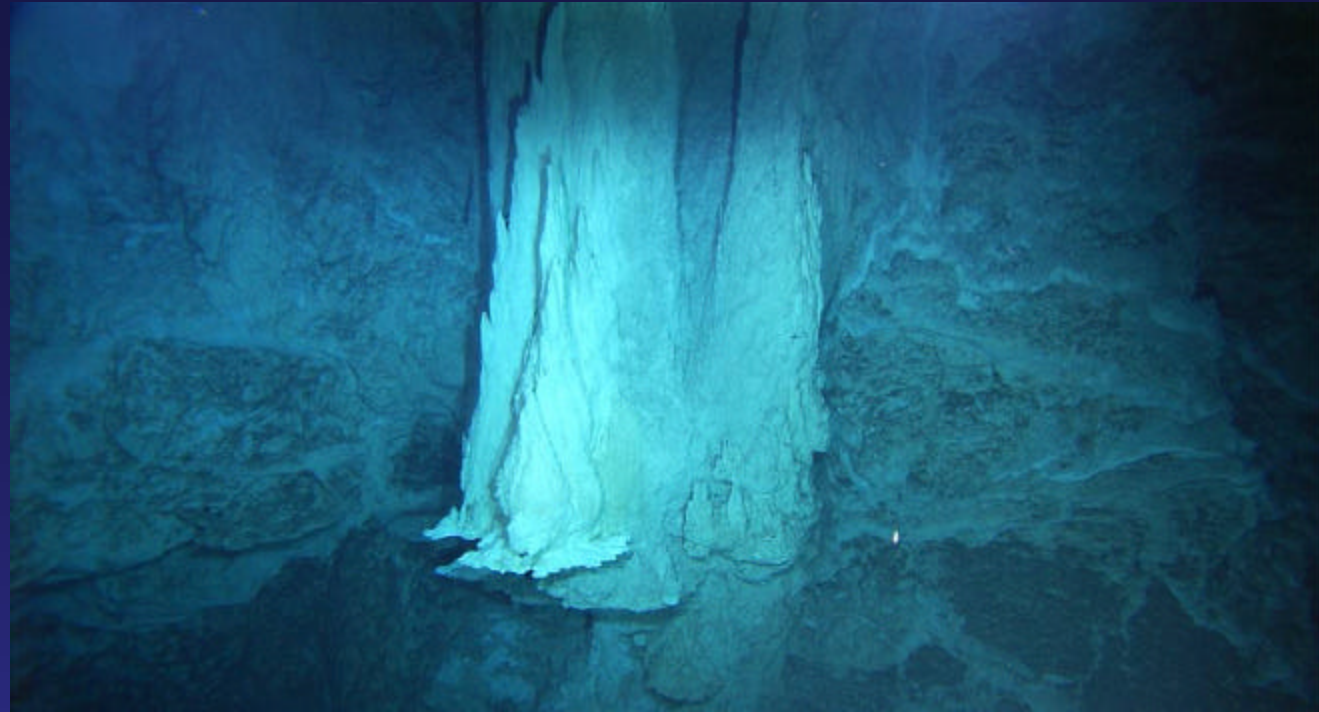
*University of Rhode
Island*

*Broadcast
Production Hub*



Lost City
Hydrothermal Field

IMAX Flange
on Poseidon Tower



HIGHLIGHTS

- *Completed 8 ROV dives in 9 days*
- *Collected > 150 hours of video footage*
- *Collected 1000's of digital still images*
- *Collected ~ 100 samples*
(geological, biological, fluid)
- *Processed Multibeam bathymetric data in “real time”*
(Brian Calder / Larry Mayer – UNH – CCOM)
- *Produced 40 - 1/2 hour broadcasts*

