

HAWAII UNDERSEA RESEARCH LABORATORY  
QUICK LOOK REPORT MISSION NO. P5-215

## MISSION STATUS

Location: Loihi Seamount  
Mission Date: September 1, 1992  
Maximum Depth: 1300 meters  
Project Title: Geochemistry of Loihi Seamount Hydrothermal System  
Project Leader: G. McMurtry  
Address: Oceanography Dept.  
University of Hawaii  
1000 Pope Road  
Honolulu, HI 96822  
Phone: 956-6858  
Observers: P. Sedwick, C. Moyer  
Address: Same  
Phone: 956-6406

Scientific Data Acquired : Prepare an abstract outlining your objectives, techniques, findings, etc.

To observe, measure temperature of, and sample hydrothermal fluids from Pele's Vents and other areas on the seamount, using titanium, Niskin and gas-tight sampling bottles.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Thruster tilt mechanism broke, but at end of dive.  
No still camera.

Recommendations for corrective action or improvement:

None.

In your opinion, did the mission essentially achieve its purpose?  
Compare actual work accomplished with the work that was expected  
to be accomplished.

Yes.

List specimens or samples collected on the mission.

- 4 water samples
- 1 box rocks
- 3 slide sticks

## DATA RELEASE

Data may be retained by the project leader for up to 2 years after the mission date with the following exception. NOAA may request to use photos for publication or publicity purposes at any time.

Fill in the appropriate statement below and sign this form.

I hereby release the data archived by HURL for public consumption following mission Geochemistry of Loihi Seamount Hydrothermal System (project title) held on September 1, 1992 (date) in the following way:

- a. CTD data by September 1, 1993 (date)
- b. voice transcripts, video, and still camera film by September 1, 1993 (date)
- c. other September 1, 1993 (date)
- d. I will give my written consent to individuals wishing to use these data prior to the above dates depending on the nature of the request(s).

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Project Leader