

HAWAII UNDERSEA RESEARCH LABORATORY  
QUICK LOOK REPORT MISSION NO. P5-208

## MISSION STATUS

Location: Loihi Seamount  
Mission Date: August 18, 1992  
Maximum Depth: ~1050 meters  
Project Title: Geochemistry of Loihi Seamount Hydrothermal System  
Project Leader: G. McMurtry  
Address: 1000 Pope Road  
Dept. of Oceanography, MSB 325  
University of Hawaii  
Honolulu, HI 96822  
Phone: (808) 956-6858  
Observers: P. Sedwick, C. Moyer  
Address: As above

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

Objectives: Observe, measure temperature, and sample hydrothermal fluids from Pele's Vents, using HURL Ti samplers, Niskin bottles, temperature probes, and test of our own gas-tight water sampler.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Problems with camera.

Bent low-temp. probe - apparently broke it.

Recommendations for corrective action or improvement:

None, expect spare low-temp. probes for following dives would be useful.

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

Yes, within the limitations of the equipment.

List specimens or samples collected on the mission.

4 water samples (3 Ti, 1 Niskin)  
Several rocks with bacterial mat (for Karl/Dobbs)

## 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 August 19, 1992 (date) in the following way:

- a. CTD data by August 19, 1993 (date)
- b. voice transcripts, video, and still camera film by August 19, 1993 (date)
- c. other August 19, 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