

**HAWAII UNDERSEA RESEARCH LABORATORY**

**QUICK LOOK REPORT MISSION NO. P5-334**

**MISSION STATUS**

**Location:** Loihi Seamount, Pele's Pit

**Mission Date:** Sept.5, 1997

**Maximum Depth:** 1325 m.

**Project Title:** In-situ Gamma Spectroscopy in Loihi Seamount

**Principal Investigator:** Dr.David Kadko

**Address:** University of Miami  
RSMAS/MAC  
4600 Rickenbacker Causeway  
Miami, FL 33149

**Phone:** (305)361-4721

**Observer 1:** Dr. David Kadko

**Observer 2:** Tym Catterson

**Address:** as above

**Address:** HURL

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

1. To deploy Gamma Detector in remote mode for a one week period.
2. To sample vent fluids from deployment site.
3. To collect rocks from vent area.
4. To survey vent area.

All objectives met, successfully.

**MISSION EVALUATION:**

**Limitations, failures, or operational problems noted:**

Minor: Temperature read-out failed after 199.9°C.

**Recommendations for corrective action or improvement:**

fix it !

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

Mission successful !

**List specimens or samples collected on the mission.**

2 vent fluid samples

3 rocks

1 sulfide

## 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

In-situ Gamma Spectroscopy of Loihi Vents (project title)

held on 9/5/97 (date) in the following way:

- a. CTD data by 9/5/98 (date)
- b. voice transcripts, video, and still camera film by 9/5/98 (date)
- c. other 9/5/98 (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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Principal Investigator