

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. P5-496

MISSION STATUS

Location: Loihi Seamount Pisces Peak

Mission Date: November 9th , 2002

Maximum Depth: 1326m

Project Title: Microbially Mediated Glass Alteration

Principal Investigator: Dr. Hubert Staudigel

Address: UCSD/SIO M/S 0225
La Jolla, Ca 92093

Phone: 858.534.8764

Observer 1: Dr. Hubert Staudigel

Observer 2: N/A

Address: same

Address:

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

Deploy Pmel Pressure sensor at Pisces Peak, recover exposure charges, and deploy exposure charges from two sites, at Pisces Peak and one at the Jet Vents/Boiling Pot vent sites.

We deployed Pressure sensor and WHOI and SIO exposure charges and took rock samples, suction samples and ballvalve scoop samples at Pisces Peak. We recovered an glass exposure experiment from the top of the jetvent cliff and explored vents at the jet vent sites. Found a small pencil-sized chimney with 35.7 degC water, and picked up last year's experiment # 8 (the other charge appears to be lost). Moved on to M22, picked up last year's #7, and took a ballvalve sample and a suction sample (#4 in rosette).

Boiling Pot vents appear to be covered up with a recent breccia

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

none

Recommendations for corrective action or improvement:

N/a

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.

One rock sample, two suction samples, two ball-valve scooper samples

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

Microbial Glass Alteration (project title)

held on November 10, 2002 (date) in the following way:

- a. CTD data by any (date)
- b. voice transcripts, video, and still camera film by November 2004 (date)
- c. other _____ (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).

_____ Principal Investigator