

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO.P5-143

MISSION STATUS

Location: Loihi Seamount
Mission Date: March 30, 1990
Maximum Depth: ~1100 m
Project Title: Geochem. of Loihi Seamount Hydrothermal System
Project Leader: G. McMurtry
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 MSB 325
 Honolulu, HI 96822
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Observers: N. Murphy, P. Sedwick
Address: MSB 307
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Scientific Data Acquired : Prepare an abstract outlining your objectives, techniques, findings, etc.

To obtain samples of hydrothermal fluid from Pele's vents site on Loihi, for chemical characterization, and in particular to measure vent water temperatures (as close as possible to sample temperatures)

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Mission went very well, successfully obtained samples and measured vent water temperatures.

Recommendations for corrective action or improvement:

CTD memory space for entire dive. (I know HURL is planning this modification.)

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

Yes. Work accomplished was in line with expected.

List specimens or samples collected on the mission.

4 Titanium "Major" water samples
1 Niskin water sample
1 Rock with sediment

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 Geochem. of Loihi Seamount Hydrothermal System (project title) held on 3-30-90 (date) in the following way:

- a. CTD data by 3-30-91 (date)
- b. voice transcripts, video, and still camera film by 3-30-91 (date)
- c. other 3-30-91 (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).

Project Leader