

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-083

MISSION STATUS

Location: Loihi South Rift
Mission Date: July 19, 1988
Maximum Depth: 1590 m
Project Title: Loihi Hydrothermal
Project Leader: Alexander Malahoff
Address: University of Hawaii
Department of Oceanography
Honolulu, Hawaii 96822
Phone: 948-6802
Observers: A. Arquit, A. Malahoff

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

Began ocean floor traverse at 12:23 at 1590 meters and proceeded upslope from that depth along the crest of the south rift zone. At 12:50, 1475 meters, we sampled an orange hydrothermal crust. The crust is built upon fresh glassy basalt. Headed west along a series of ridges with fresh pillows on top and talus at the base until we encountered an active vent field at 13:20, at a depth of 1360 meters. Between 13:20 and 15:37 we mapped the hydrothermal field, leaving the bottom at 1330 meters at 15:37 hours, where we picked up the second sample.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

none

Recommendations for corrective action or improvement:

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.

Two rock 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 "Hydrothermal Systems"
(project title) held on July 19, 1988 (date) in the following way:

- a. CTD data by none (date)
- b. voice transcripts, video, and still camera film
by July 19, 1989 (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).

Project Leader