

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-085

MISSION STATUS

Location: Loihi South Rift
Mission Date: July 21, 1988
Maximum Depth: 1350 m
Project Title: Loihi Hydrothermal
Project Leader: Alexander Malahoff
Address: University of Hawaii
Department of Oceanography
Honolulu, Hawaii 96822
Phone: 948-6802
Observers: T. Jones, A. Malahoff

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

Landed at 1350 meters at 11:50. At 11:55 moved west towards Kapu vent field. After mapping Kapu vent, proceeded upslope along south rift, encountered numerous cones with vertical slopes until Pele's vents were encountered. Mapped Pele's vents, which extended for approximately 150 meters on the side of Pele's cones and 25 meters extent in depth.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

One engine out. Returned to Kona for reconditioning engine.

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 from vent field. One rock sample taken at
beginning of dive.

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 21, 1988 (date) in the following way:

- a. CTD data by none (date)
- b. voice transcripts, video, and still camera film
by July 21, 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