

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-106

MISSION STATUS

Location: Loihi
Mission Date: 14 September 1988
Maximum Depth: 1120 m.
Project Title: Loihi Hydrothermal Fields
Project Leader: Dr. Alexander Malahoff
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Department of Oceanography
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Honolulu, HI 96822
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Observers: Ursula Ginster, Alexander Malahoff
Address: University of Hawaii
Department of Oceanography
1000 Pope Road
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Scientific Data Acquired : Prepare an abstract outlining your objectives, techniques, findings, etc.

Objectives were to identify and map the extent of hydrothermal vents on the Loihi submarine volcano. This dive concentrated on the western margin of the Loihi summit. The data from dive P5-106 shows that the whole western margin of the summit of Loihi has been hydrothermally active at one time or another. The depth of individual hydrothermal fields range from 1120 m. to 970 m.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None.

Recommendations for corrective action or improvement:

None.

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
- one nontronite sample

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 "Loihi Hydrothermal Fields"
(project title) held on 15 September 1988 (date) in the following way:

- a. CTD data by _____(date)
- b. voice transcripts, video, and still camera film
by _____(date)
- c. other 15 September 1989 (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