

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-162

MISSION STATUS

Location: Loihi, Pele's Vents
Mission Date: 15 October 1990
Maximum Depth: 1240 m
Project Title: JAMSTEC/HURL Joint Venture
Project Leader: Dr. Alex Malahoff
Address: Dept. of Ocean
1000 Pope Road, UHM
Honolulu, HI 96822
Phone: (808) 956-6802
Observers: Max Cremer/Hiroshi Hotta
Address: HURL/JAMSTEC

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

Two rock samples with hydrothermal deposits were taken by manipulator at Pele's Vents at 980 m depth. The rest of the dives was intended to introduce the JAMSTEC scientist to the geological setting of Loihi Seamount and hydrothermal venting phenomenon.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Pisces V was operating without noticeable problems. The absence of external videocameras and temperature probes limited the scientific capabilities of the dive.

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. According to Dr. Hotta (JAMSTEC) it was a very successful and informational endeavor.

List specimens or samples collected on the mission.

#1: Basalt, covered with nontronite.

#2: Basalt, covered with nontronite.

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 _____
(project title) held on _____ (date) in the
following way:

- a. CTD data by _____(date)
- b. voice transcripts, video, and still camera film
by _____(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