

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-331

MISSION STATUS

Location: Loihi, Pisces Peak area

Mission Date: Sept.1, 1997

Maximum Depth: ~1122 m.

Project Title: Loihi 1996 Eruption

Principal Investigator: Mike Garcia

Address: Geology and Geophysics Dept.
University of Hawaii
Honolulu, HI 96822

Phone: 956-6641

Observer 1: M.Garcia

Observer 2: Chuck Holloway

Address: as above

Address:

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

To locate the source vent for the lavas erupted in 1996 that were collected from a breccia on the north side of Pisces Peak. Then to map out the flows from this vent and determine what happened during this eruption.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

minor problems with Titan arm

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.

No. We did not find the source for the 1996 erupted lavas that were collected just north of Pisces Peak on Dive P5-286. Young lavas appear to be covered by more recent blocks from landslides based on stratigraphic section exposed in cliff north of Pisces Peak. Much of area has been broken up except cone at northwest end of our traverse, which is composed of fragile lava. Why was it not broken up? Young gorgonian coral suggest cone has been around for at least a few years.

List specimens or samples collected on the mission.

Seven rock samples including two (#1,7) from Pisces Peak
Sand 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 1996 Eruption (project title)

held on Sept. 1, 1997 (date) in the following way:

- a. CTD data by immediately (date)
- b. voice transcripts, video, and still camera film by Sept. 1, 1998 (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).

_____ Principal Investigator