

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. PS-392

MISSION STATUS

Location: Mauna Loa West Flank - Milolii

Mission Date: Oct. 4, 1995

Maximum Depth: 1829 m

Project Title: Hawaiian Volcanism

Principal Investigator: Michael Garcia

Address: Geology - Geophysics Dept, UH

Phone: 956-6641

Observer 1: Mike Garcia

Observer 2: X

Address:

Address:

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

See description for Dive 391 for objectives and techniques

Findings: Confirmed that the flanks of Mauna Loa are comprised of pillow lavas and not fragmental debris as predicted by Moore & Chadwick (1995). Collected deepwater barnacles (~1800m) and urchin, along with two corals.

Dive 392

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! We were able to traverse the slope of a long segment of Mauna Loa's west flank and found it is composed of pillow lavas. These lavas are very dense and non-vesicular suggesting they were degassed prior to deposition.

List specimens or samples collected on the mission.

*5 Lava samples
5 biological samples including 2 barnacles, 1 large urchin, and 2 corals.*

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

Hawaiian Volcanism (project title)

held on Oct. 4, 1998 (date) in the following way:

- a. CTD data by NOW (date)
- b. voice transcripts, video, and still camera film by Oct. 4, 1999 (date)
- c. other NOW (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).

M. Garcia Principal Investigator