

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-389

MISSION STATUS

Location: Mauna Loa
Mission Date: Oct. 1
Maximum Depth: 1411m
Project Title: Loihi Submarine Eruption / Hawaiian Volcanism
Principal Investigator: Michael Garcia
Address: Geology-Geophysics
UH YSOBST
Phone: 956-6641
Observer 1: M. Garcia
Observer 2: Ken Rubin
Address: As Above

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

Objectives: To test a new model on the foundations of oceanic volcanoes, which proposes they are made of fragmental debris. (Moore & Chadwick, 1995).

Techniques: Observe rock structure from sub in walls of cliffs
Sample rocks.

Findings: Did not find wall. Traversed floor of landslide scar and found extremely fluid pillow lavas. Eight samples of olivine-rich rock collected.

Dive 389

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Problem locating cliff; lack of proper map

Recommendations for corrective action or improvement:

Surveyed cliff before
next dive

In your opinion, did the mission essentially achieve its purpose? Compare actual work accomplished with the work that was expected to be accomplished.

No; since we did not find the cliff, we could not achieve our mission. Nonetheless, we learned some valuable lessons about the part of Mauna Loa

List specimens or samples collected on the mission.

Eight rock samples collected. All olivine-rich basalt of fluid origin / shape.