

HAWAII UNDERSEA RESEARCH LABORATORY  
QUICK LOOK REPORT MISSION NO. P5-183

## MISSION STATUS

Location: South Point  
Mission Date: Sept. 11, 1991  
Maximum Depth: 1450m  
Project Title: Mauna Loa SW Rift  
Project Leader: Michael Garcia  
Address: Geology - Geophysics Dept.  
University of Hawaii  
Honolulu, HI 96822  
  
Phone: 956-6641  
Observers: P.W. Lipman and M. Rhodes  
Address: USGS Univ. of Massachussetts  
Menlo Park, CA Amherst, MA

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

Collected strat section on submarine extension of Kahuku fault, which exposes section thru M.L. SW Rift more than 1 km high. Continued sampling up section from Dive 182. All lavas are coarsely pillowed, and locally cut by "cordwood" dikes of rift zone. Rounded old beach boulders in sand, starting at 425m, evidence of island subsidence.

## MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Excellent dive; ran out of basket room to collect more samples.

Recommendations for corrective action or improvement:

Extra baskets, if possible to mount!

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

Exactly as planned; even found drop weights from termination of Dive 182, at start point (1230m)

List specimens or samples collected on the mission.

15 samples of basalt pillow fragments between 1200 and 630m.

## 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 Mauna Loa SW Rift  
(project title) held on Sept. 11, 1991 (date) in the following way:

- a. CTD data by none collected (date)
- b. voice transcripts, video, and still camera film by ASAP (date)
- c. other ASAP (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).

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Project Leader