**HAWAII UNDERSEA RESEARCH LABORATORY**

**QUICK LOOK REPORT MISSION NO. P5-317**

# MISSION STATUS

**Location:** Kona Slope

**Mission Date:** October 12-13, 1996

**Maximum Depth:** 1870 m.

**Project Title:** Age dependent Mixing of Deep-sea Sediments

**Principal Investigator:** Craig R. Smith

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**Observer 1:** C. Smith **Observer 2:** M. Parry

**Address:** as above **Address:** as above

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

We collected data to address the occurrence and mechanisms of radioisotope dependent mixing of deep-sea sediments. We collected 2 box cores, 6 tube cores, 4 large urchins (Phrissocystis ?) and 3 unidentified holothurians for radionuclide analyses.

# MISSION EVALUATION:

**Limitations, failures, or operational problems noted:**

Difficult to use camera in a quantitative mode. Need to have known position for it.
Laser scale marker highly desirable.

**Recommendations for corrective action or improvement:**

See above. Fill up tube cores with water before deployment

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

Yes.

**List specimens or samples collected on the mission.**

2 box cores
6 tube cores
7 megafaunal animals

# 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

Age Dependent Mixing (project title)

held on 10/12/96 (date) in the following way:

a. CTD data by _____ (date)

b. voice transcripts, video, and still camera film by 10/12/98 (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