

## HAWAII UNDERSEA RESEARCH LABORATORY

### QUICK LOOK REPORT MISSION NO. P5-281

#### MISSION STATUS

**Location:** off Kona - continuation of 500m survey begun on July 18 to south of previous track

**Mission Date:** July 19, 1996

**Maximum Depth:** 534m

**Project Title:** Reproductive Biology of Deep-Sea Animals

**Principal Investigator:** Craig M. Young

**Address:** Harbor Branch Oceanographic Institution (HBOI)  
5600 U.S. Hwy. 1 North  
Ft. Pierce, FL 34946

**Phone:** (407) 465-2400 x303

**Observers:** 1) Roland Emson, 2) Anna Metaxas

**Addresses:** 1) King's College, University of London  
2) HBOI

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

Objectives:

- 1) Search out sponge field seen on previous visit. Collect if possible all types of sponge and associated fauna.
- 2) Collect voucher specimens plus habitat data for all echinoderms.
- 3) Collect Aspidodiadema for experimental studies.
- 4) Observe asteroschematid/cnidarian commensal relationship.
- 5) Test current meter and, if possible, take current measurements at and around dominant macrofauna.

Techniques:

Observation, collecting using manipulator, use of current meter.

Findings:

See \* under mission evaluation.

**MISSION EVALUATION:**

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

Hi8 camera not capable of recording.

Own current meter not functioning correctly - reason not understood.

Manipulator still only partially functional.

Hand-held voice recorders a little difficult for operations.

**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.**

\* With the exception of discovery of the sponge field, yes. Collections as good or better than could have been expected. Current meter impossible to zero, so although readings were obtained, not possible to know whether meaningful. Only a single Aspidodiadema seen.

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

\* 5 seastars (4 species)  
2 single armed euryalid brittle stars  
1 gorgonocephalid  
1 large cidaroid  
1 small cidaroid  
1 parasol cnidarian  
1 large gorgonian  
1 branched bamboo coral with other hydroids attached  
Many other animals observed and recorded, noted in CMY notebooks

## 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

Reproductive Biology of Deep-Sea Animals (project title) held on July 19 (sic), 1996

(date) in the following way:

- a. CTD data by 7/20/96 (date)
- b. voice transcripts, video, and still camera film by 7/20/98 (date)
- c. other 7/20/98 (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