# HAWAI'I UNDERSEA RESEARCH LABORATORY
## QUICK LOOK REPORT (QLR) for *Pisces* and *RCV-150*

**DIVE:** P4-165
(*Extend length of sections as needed/appropriate*)

# MISSION STATUS

**Location:** Hilo 345m reef

**Latitude:** 19 ° 52.249' **Longitude:** -154 ° 56.895'

**Mission Date:** 10-14-2006 **Duration:** **6** hours 45 mins

**Maximum Depth:** 372.6 meters

**Project Title:** _____

**Principal Investigator:** Dr. Don Potts

**Address:** _____

UCSC

Santa Cruz, CA

**Phone:** _____

**Observer 1:** Jody Webster **Observer 2:** Jennifer Paduan

**Address:** School of Earth and Env. Sciences **Address:** MBARI

James Cook University 7700 Sandholdt Way

Townsville, QLD, Australia 4811 Moss Landing, CA 95039

**Pilot 1:** Max Cremer **Pilot 2:** _____

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

**Objectives:** Sample fossil reef for age dating and paleoenvironmental assessment.
**Observations, findings, etc:** Observed fossil coral reef at 345m. Found it to be draped with smooth, thick carbonate detrital deposits eroded into a series of embayments with undercut ledges, exposing the coral reef material within. Samples were primarily the detrital material with a few embedded corals.
**Observed Species list:** N/A geologic specimens

## MISSION EVALUATION:

**Limitations, failures, or operational problems noted:** Port camera pan and tilt had hydraulic leak and failure. Orion arm required frequent rebooting.

**Recommendations for corrective action or improvement:** Repair.

**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:** 17 rocks and 1 niskin sample.