Rev. 10-22-04

PISCES IV DIVE REPORT

PIV

Pilot: MAX CREMER Dive #: PI-173 Date: OCTOBER 23, 2006

Observer 1: SAM KAHNG

Affiliation: UNIVERSITY OF HAWAII

Observer 2: DANIEL WAGNER

Affiliation: UNIVERSITY OF HAWAII

Purpose: (Research) Training Test

Other:

Special Equipment:

Cameras: SONY DV, ROS COLOR, ROS BW

Manipulators: ORION, HYCO

Samplers/Sensors: CTD-DO, I10 BOX, LARGE COLLECTION BOX

Support Vessel: R/V KAIMIKAI-O-KANALOA

Captain: ROSS BARNES

Dive Location: AU'AU CHANNEL

Latitude: 20° 56.300' N

Longitude: 156° 45.700' W

Time of Dive: 0910

Time of Surface: 1549

Time Submerged: 6:39

Time Thru Last Dive: 1248:43

Total Time to Dive: 1255:22

Dive Depth: 208 m

Water Depth: 208 m

Water Temperature: 17.1°C @ 208 m

Visibility: poor at depth, fair in shallower water.

Dive Results/Remarks: BLACK CORAL SYSTEMATICS DIVE. 0932 208m land on bottom in flat terrain with cobble boulders, near zero visibility. Surface tracking system is out-of-commission. 0942 move E toward pinnacle. 1009 148m deploy first of ten temperature loggers. Loggers are deployed at depth increments of 10m. 1205 65m deploy last temperature logger near the top of the plateau on the E-side of the pinnacle. Several small samples of leptoseris, wire coral and black coral were also collected during the deployment series. 1241 72m collect leptoseris fragments. Move NW to drop-off, then descent to 120m. 1319 110m begin clockwise survey of pinnacle at depths of 110-80m. Collecting samples of healthy black coral specimen. Sampling of leptoseris plate coral is largely unsuccessful. Appropriate sampling gear will have to be manufactured for this. 1525 82m terminate video and sampling survey of pinnacle and leave bottom. Make a normal recovery.

Equipment Deficiencies: TRACKLINK SYSTEM FAILED.

Pilot's Signature: [signature] Date: October 24, 2006

Operations Director: [signature] Date: Oct. 25, 2006