Rev. 10-22-04

PISCES IV DIVE REPORT

Pilot: Terry Kerby Dive #: Pisces IV #186 Date: November 19, 2006

Observer 1: Steve Price (PIT)

Affiliation: HURL Sub ops

Observer 2: Heather Spalding

Affiliation: U of H

Purpose: (Research) (Training) Test

Other:

Special Equipment:

Cameras: Sony - ROS

Manipulators: Orion - HYCO

Samplers/Sensors: CTD - Pore water sampler, Sed scoops, Bio Box.

Support Vessel: R/V Kaimikai-O-Kenaloa

Captain: Ross Barnes

Dive Location: Off of NE Lanai

Latitude: 20°55.325'N

Longitude: 156°48.611'W

Time of Dive: 0915

Time of Surface: 1524

Time Submerged: 5:09

Time Thru Last Dive: 1341:47

Total Time to Dive: 1346:56

Dive Depth: 103m

Water Depth: 103m

Water Temperature: 24.6°c@100m

Visibility:

Dive Results/Remarks: Algae survey and collecting dive. 0933 Land on a barren sandy bottom in 100m. 1029 Move to the SW. 103m in a muddy basin with loose branches from dead black coral trees. 1055 57m move up a carbonate slope with leptosirus corals. 1145 58m. Collecting algae in bio box. 1158 59m in a halimeda forest. Take Pore water samples, trigger niskin bottle and take sediment scoop. 1242 59m collecting halimeda. 1311 57m. Have moved to the SW. 1316 Collecting caulerpa algae. 1338 55m in algae meadows 1420 65m in an area with 90% bottom coverage of green mat. Collecting green mat. 1420 Collect sediment scoop #3. 1505 65m secure sediment scoop #3. 1506 Leave the bottom from 65m.

Equipment Deficiencies: Problems with Orion wrist rotate.

Pilot's Signature: Terry Kerby Date: 11/21/06

Operations Director: Terry Kerby Date: 11/21/06