Rev. 10-22-04

PISCES IV DIVE REPORT

Pilot: MAX CREMER Dive #: PISCES IV 191 Date: NOVEMBER 30, 2006

Observer 1: KIM PEYTON

Affiliation: UH BOTANY

Observer 2: DAN BARSHIS

Affiliation: UH ZOOLOGY

Purpose: (Research) Training Test

Other:

Special Equipment:

Cameras: SONY DV, ROS COLOR

Manipulators: ORION, HYCO

Samplers/Sensors: CTD-DO, PORE WATER SAMPLER

VISKIN SAMPLER, BIO BOX, SED. SCOOPS

Support Vessel: R/V KAIMIKAI-O-KANALOA

Captain: ROSS BARNES

Dive Location: SW MAUI, ALENUIHAHA

Latitude: 20° 33.494' N

Longitude: 156° 25.002' W

Time of Dive: 0804

Time of Surface: 1516

Time Submerged: 7:12

Time Thru Last Dive: 1370:17

Total Time to Dive: 1377:29

Dive Depth: 82 m

Water Depth: 82 m

Water Temperature: REFER TO CTD DATA

Visibility: GOOD, 15-20 m

Dive Results/Remarks: ALGAE COLLECTION DIVE. 0821 81m land on the bottom in a halimeda meadow. 0830 82m collect halimeda sample with HYCO manipulator. ORION starts working after initial problems with wrist and jaw functions. 0926 begin PORE WATER SAMPLING sequence by inserting sampling shaft in sediment. Trigger VISKIN SAMPLER at 0928. 0958 sediment scoop taken. Then begin moving to shallower water to NW. Traveling mostly through halimeda covered region until 1153. 79m encounter first large basalt outcrop, then continued halimeda fields to the NW. 1215 collect a variety of algae species accumulated in a depression. 1242 continue NW. 1256 78m moving into an area of massive flow features. 1304 collecting rock samples and scallop shells. 1316 Continuing to NW through extensive lava fields until 1420. 67m encounter halimeda meadow situated between lava fields. Collect halimeda samples. 1452 57m back in lava field, preparing for ascent. 1459 leave the bottom. Make a normal recovery.

Equipment Deficiencies: - ORION manipulator dys functional -

Pilot's Signature: [signature] Date: DECEMBER 1, 2006

Operations Director: Terry Kerby Date: Dec. 8, 2006