Rev. 10-22-04

PISCES IV DIVE REPORT

Pilot: Terry Kerby Dive #: PIV-166 Date: October 15, 2006

Observer 1: Steve Price

Affiliation: HURL Sub Ops - PIT Dive Location: Off of Hilo

Observer 2: Don Potts Latitude: 19°51.519'N

Affiliation: _____ Longitude: 154°58.012'W

Purpose: (Research) (Training) Test Time of Dive: 0806

Other: _____ Time of Surface: 1626

Special Equipment: Time Submerged: 8:20

Cameras: Sony - ROS Time Thru Last Dive: 1199:18

Manipulators: Orion - HYCO Total Time to Dive: 1207:38

Samplers/Sensors: CTD, Rock sampling boxes, Nishin bottle, sediment Scoop. Dive Depth: 351m

Water Depth: 351m

Support Vessel: R/V Kaimikai-O-Kanaloa Water Temperature: 9.2°c @ 343m

Captain: Ross Barnes Visibility: _____

Dive Results/Remarks: 0832 Land on a sand and rubble bottom in 343m. 0852 Move to the West. 0935 341m collect a rhodolith. Continue moving to the West. 0943 341m. Locate low carbonate outcrops. Collect sample #2. 1006 Moving around the carbonate outcrops collecting samples. In situ samples from thin eroded carbonate arches. 1105 349m into a sandy channel between 2 carbonate reef formations with large dune deposits. Dune deposits are about 2m high and show as a prominent contact on the sonar image. 1145 Moved NNW to second carbonate band. In a grotto area surrounded by 10m high carbonate walls. Collecting samples. 1217 Moved back to the East to an area with well sorted sediment. 351m collect sediment scoop. 1300 342m in mid water making observations along a vertical basalt wall. 1340 350m moving to the North along the western edge of carbonate feature. Collecting samples. 1556 Leave the bottom from 334m.

Equipment Deficiencies: ~~Equipment Deficiencies~~

Pilot's Signature: Terry Kerby Date: Oct. 17, 2006

Operations Director: Terry Kerby Date: Oct. 17, 2006