Rev. 11-21-09

PISCES IV DIVE REPORT

Pilot: Terry Kerby Dive #: PIV-226 Date: December 1, 2009

Observer 1: Chris Kelley

Affiliation: HURL

Observer 2: Jeff Drazen

Affiliation: UH

Purpose: Research Training Test

Other:

Special Equipment:

Cameras: Mini Zeus HD - ROS

Manipulators: Orion, HYCO

Samplers/Sensors: CTD, Flat Box, Bio box.

Support Vessel: R/V Kaimikai-O-Kanaloa

Captain: Ross Barnes

Dive Location: E side of Niihau

Latitude: 21°49.665'N

Longitude: 160°03.924'W

Time of Dive: 0922

Time of Surface: 1634

Time Submerged: 7:12

Time Thru Last Dive: 1602:21

Total Time to Dive: 1609:33

Dive Depth: 378m

Water Depth: 378m

Water Temperature: 8.7°c @ 378m

Visibility:

Dive Results/Remarks: Bottom habitat survey dive. 0950 378m Land on a sloping carbonate bottom. 1007 378m moving upslope to the South. 1017 364m. Move up a carbonate slope to the base of a pillow lava formation wall. 1034 364m Collect a rock from pillow formations. Move up the basalt wall. Searching for fish receiver instrument "D". 1102 Move to the South. Collect a coral sample at 263m. 1130 242m. Locate fish receiver "D". 1135 Moving south. 1138 239m collect coral sample. Moving upslope collecting samples. 1227 201m On top of first pinnacle. 1233 Moving to the South to the second pinnacle. 1246 235m collect a sponge. 1305 203m On summit of second pinnacle. Basalt on top. Collect a rock. 1330 294m Moving SW. 1343 323m Moving to long pinnacle feature to the SW. Collect samples on the way. 1431 351m at base of carbonate wall after traversing sand dunes. Survey ridge pinnacle feature. Collect samples. 1600 Leave bottom from 331m.

Pilot's Signature: T. Kerby Date: Dec. 2, 2009

Operations Director: T. Kerby Date: Dec 2, 2009

For equipment deficiencies, refer to maintenance logs.