Rev. 11-21-09

PISCES IV DIVE REPORT

Pilot: Terry Kerby Dive #: PIV-230 Date: Dec 5, 2009

Observer 1: Jeff Drazen

Affiliation: University of Hawaii Dive Location: Niihau

Observer 2: Greg Holzman Latitude: 21° 44.282' N

Affiliation: Fisherman Longitude: 160° 09.176' W

Purpose: (Research) Training Test Time of Dive: 0800

Other: Time of Surface: 1543

Special Equipment: Time Submerged: 7:43

Cameras: Mini Zeus HD - ROS Time Thru Last Dive: ~~1626:42~~ Gr 1635:41

Manipulators: Orion - HYCO Total Time to Dive: 1643:24

Samplers/Sensors: CTD - Bio box Dive Depth: 408m

Water Depth: 408m

Support Vessel: R/V Kaimikai-O-Kanaloa Water Temperature: 8.5° @ 408m

Captain: Ross Barnes Visibility:

Dive Results/Remarks: Fisheries survey and collecting dive 0830 Land on a rocky bottom at 408m. 0842 Move upslope to the NNW. 0855 Collecting coral samples at 374m 0903 Continue upslope to the NNW. 0924 388m moving upslope to the NNW. 0940 346m Collecting samples. 0951 Move upslope to NNE. 1017 286m. Enter a dense wire coral bed. 1020 286m continue upslope to the NE. 1106 Moving NE. 1119 Move to the SE to locate instrument site VR2. 1142 320m Locate instrument VR2 1147 Moving to the NE. 1222 271m. Moving upslope to the South. 1246 220m on top of pinnacle feature. 1258 221m making observations. 1308 221m Moving to the S. 1319 222m Locate an area for an instrument site. 1348 Begin contour transect. 1414 311m Coral bed of corallium. 1421 Move NE. 1514 252m End of transect. 1515 252m. Leave the bottom.

Pilot's Signature: Terry Kerby Date: 1-16-10

Operations Director: Terry Kerby Date: 1-16-10

For equipment deficiencies, refer to maintenance logs.