Rev. 11-21-09

PISCES IV DIVE REPORT

Pilot: Terry Kerby Dive #: PIV-260 Date: October 17, 2011

Observer 1: Colin Wollerman

Affiliation: HURL Subops.

Observer 2: Nikki Morgan-Butler

Affiliation: Florida State University

Purpose: (Research) (Training) Test

Other:

Special Equipment:

Cameras: Mini Zeus HD - ROS SD

Manipulators: Orion - HYCO

Samplers/Sensors: CTD, 3 Bio Boxes.

Support Vessel: R/V Kaimikai-O-Kanaloa

Captain: Clary Gutzeit

Dive Location: Necker Ridge

Latitude: 22°07.087'N

Longitude: 167°07.953'W

Time of Dive: 0808

Time of Surface: 1643

Time Submerged: 8:35

Time Thru Last Dive: 1833:50

Total Time to Dive: 1842:25

Dive Depth: 1936m

Water Depth: 1936m

Water Temperature: 1.8°c @ 1800m

Visibility:

Dive Results/Remarks: Coral collecting dive. 1033 Land on a flat sandy terrace with 100% manganese gravel coverage at 1926m. Rocky margin of the ridge is in view. 1046 Move up a rocky slope covered with a manganese coating. Dense coral growth. Collecting corals. Collected a rock sample. 1152 1924m Start transect #1 1209 End transect #1. 1219 1927m Collecting samples. Collect sponge with crynoid. 1240 1936m Moving SW. 1243 1934m come to an edge of a basalt flow feature. Move up feature for transect #2. 1245 1924m End transect #2. 1251 1924m Collecting corals. 1258 Moving upslope to the NW. Collecting samples. 1323 1865m Begin transect #3 to the West. 1341 End transect. 1345 Collecting samples. 1408 1775m. Appear to be at top of feature. Collecting samples. 1429 Move upslope to the South. 1439 1748m Begin transect #4 to the SW. 1456 1743m End transect. Collecting samples. 1510 Leave the bottom from 1759m

Pilot's Signature: Terry Kerby Date: 10-23-11

Operations Director: Terry Kerby Date: 10-23-11

For equipment deficiencies, refer to maintenance logs.