Rev. 11-21-09

PISCES IV DIVE REPORT

Pilot: Terry Kerby Dive #: PIV-224 Date: November 25, 2009

Observer 1: Chris Kelley

Affiliation: HURL

Observer 2: Jane Culp

Affiliation: HURL

Purpose: (Research) Training Test

Other:

Special Equipment:

Cameras: Mini Zeus HD - ROS

Manipulators: Orion - HYCO

Samplers/Sensors: CTD, Bio box

Support Vessel: R/V Kaimikai-O-Kanaloa

Captain: Ross Barnes

Dive Location: Twin Banks NWHI

Latitude: 23° 02.231' N

Longitude: 163° 09.531' W

Time of Dive: 0800

Time of Surface: 1717

Time Submerged: 9:17

Time Thru Last Dive: 1584:07

Total Time to Dive: 1593:24

Dive Depth: 1653 m

Water Depth: 1653 m

Water Temperature: 2.5°c @ 1653m

Visibility:

Dive Results/Remarks: Survey dive. 0933 1653m. Land on a steep rocky bottom. Collect rocks for ballast weight. 1002 Move upslope to the WNW East. 1028 1559m collecting samples. 1042 Moving upslope to the North. 1052 1544m On the ridge. 1137 1468m Collecting samples. 1202 1463m Moving to the North. Basalt bottom with manganese incrusted pillow lava formations and deep gullys with vertical walls. Corals and sponges. 1217 Stop at 1449m to get rid of some ballast rocks. Continue North. 1221 1445m Collecting sponges. 1233 Move to the North. 1313 1338m Throw out more ballast rocks. Move to the North. 1426 1188m On the summit of the pinnacle feature. Collect samples. Having problems with orion manipulator. Jaws won't open all the way. 1531 1237m Leave the bottom. Make a normal recovery.

Pilot's Signature: T. Kerby Date: 11-28-09

Operations Director: T Kerby Date: 11-28-09

For equipment deficiencies, refer to maintenance logs.