Rev. 11-21-09

PISCES IV DIVE REPORT

Pilot: Terry Kerby Dive #: PIV-228 Date: December 3, 2009

Observer 1: Corrid Kane

Affiliation:

Observer 2: Heather Yllaio-Ward

Affiliation:

Purpose: (Research) Training Test

Other:

Special Equipment:

Cameras: Mini Zeus HD - ROS

Manipulators: Orion - HYCO

Samplers/Sensors: CTD - Sample boxes

Support Vessel: R/V Kaimikai-O-Kanaloa

Captain: Ross Barnes

Dive Location: Middle Bank, NWHI

Latitude: 22° 44.431' N

Longitude: 161° 09.873' W

Time of Dive: 0804

Time of Surface: 1640

Time Submerged: 8:36

Time Thru Last Dive: 1618:06

Total Time to Dive: 1626:42

Dive Depth: 1453m

Water Depth: 1453m

Water Temperature: 5.6°c @ 1450m

Visibility:

Dive Results/Remarks: Survey and collecting dive. 0820 Land on a steep rocky bottom in 1437m. 0939 Pick up a couple of ballast rocks for trim and move upslope to the S.E. 0947 1429m collecting samples. 1018 1398m Collecting samples. 1030 Moving to the SE. 1033 1394m collecting cup coral. 1040 Move upslope to SE collecting samples on the way. 1117 1378m Begin moving to the West towards the pinnacle. Getting into rough terrain with large boulders that appear to be manganese covered basalt. 1152 1425m collecting branched lepidisis from the top of a large boulder. 1158 Continue moving to the West. Ascend a vertical wall of truncated pillows formations for 70m. 1220 1453m collecting coral samples. Continue collecting samples as we move to the summit of the pinnacle. 1358 1312m on top of pinnacle. 1357 Move North down the pinnacle to a depth of 1400m. 1430 1402m. Contour counterclockwise at 1400m 1505 Leave the bottom from. 1397m.

Pilot's Signature: Terry Kerby Date: 12-4-09

Operations Director: Terry Kerby Date: 12.4.09

For equipment deficiencies, refer to maintenance logs.