Rev. 11-21-09

PISCES IV DIVE REPORT

Pilot: Terry Kerby Dive #: PIV-264 Date: October 22, 2011

Observer 1: Juan Carlos Braga

Affiliation: University of Granada

Observer 2: Gustav Hinestrosa

Affiliation: University of Sydney

Purpose: (Research) Training Test

Other:

Special Equipment:

Cameras: Mini Zeus 40 - ROS 50

Manipulators: Orion - HYCO

Samplers/Sensors: CTD - Rock and bio collecting boxes.

Support Vessel: R/V Kaimikai-O-Kanaloa

Captain: Clary Gutzeit

Dive Location: Gardner Pinnacle

Latitude: 25° 24.880' N

Longitude: 168° 02.964' W

Time of Dive: 0805

Time of Surface: 1638

Time Submerged: 8:33

Time Thru Last Dive: 1868:50

Total Time to Dive: 1877:23

Dive Depth: 1172 m

Water Depth: 1172 m

Water Temperature: 4.2° C @ 1172 m

Visibility:

Dive Results/Remarks: Rock and coral collecting dive. 0909 Land on a flat sandy bottom in 1172m. 0918 Move ENE up a steep sandy slope. Bottom is clay like mud and fine sand. Locate mud layers. Collecting mudstone samples at 1114m. 0937 Move upslope to the NE. 1009 1091m Continue upslope to the NE after collecting corals and mudstone crust from mudstone layers. 1021 1078m. Into a level area with coral and pebble debris. Collect a loose basalt rock from rubble area. 1041 1028m Into more layers of mudstone. 1107 1047m Mudstone wall. Mudstone layers estimated over 300m thick. 1144 1119m Contour to the South along mudstone layers 1321 766m Locate manganese covered carbonate formations on a steep sandy slope. Collecting rock samples. 1342 Move upslope to the east collecting rocks from rock outcrop patches in a steep sandy slope. Collect a whale bone. 1505 Continue upslope to east collecting rocks. 1512 656m Dead octopus carcass (large octopus) 1545 Leave the bottom from 640m

Pilot's Signature: Terry Kerby Date: 10-25-11

Operations Director: Terry Kerby Date: 10-25-11

For equipment deficiencies, refer to maintenance logs.