Rev. 11-21-09

PISCES IV DIVE REPORT

October 19, 2011

Pilot: MAX CREMER Dive #: P4-262 Date: 10-19-11

Observer 1: ERIN EASTON

Affiliation: FLORIDA STATE UNIVERSITY

Observer 2: DIEGO FIGUEROA

Affiliation: FLORIDA STATE UNIVERSITY

Purpose: (Research) Training Test

Other:

Special Equipment:

Cameras: MINI-ZEUS HD, ROS SD

Manipulators: ORION 7-P, HYCO

Samplers/Sensors: CTD-DO, 3 BIO BOXES

Support Vessel: R/V KAIMIKAI-O-KANALOA

Captain: CLARY GUTZEIT

Dive Location: HECKER RIDGE

Latitude: N 21° 39.801'

Longitude: W 167° 48.779

Time of Dive: 0801

Time of Surface: 1654

Time Submerged: 8:53

Time Thru Last Dive: 1851:15

Total Time to Dive: 1860:05

Dive Depth: 1927

Water Depth: 1927

Water Temperature: REFER TO CTD LOG

Visibility: VERY GOOD, 25 m

Dive Results/Remarks: CORAL AND ROCK COLLECTING DIVE ON HECKER RIDGE. 0944 1927m land on the bottom on a rocky slope. After releasing the descent weights, trim is near perfect and at 0952 begin transect #1 upslope. 1009 1816m end of transect #1. Collect samples of coral. 1025 begin transect #2 upslope. 1043 1698m end of transect #2. Collect sample of Mn-encrusted gravel. 1054 begin transect #3, contouring to the W at 1700m. 1110 1695m end transect #3. Collect one piece of Mn-pavement that fell between the two forward bio boxes. 1125 move along the contour about 100m distance. 1130 1700m begin transect #4 to the W. 1149 1699m end transect #4. 1153 move upslope S to the 1600m contour. 1201 1643m collect yellow stalked crinoid. 1210 continue upslope. 1217 1600m begin transect #5 along the 1600m contour to the W. 1233 1599m end transect #5. Collect Gerardia-like coral and other samples. 1255 move along the contour to NE. 1303 back track to start point of transect #5, arrive there at 1319. 1321 begin transect #6 along the 1600m contour to E. 1339 1600m end transect #6. 1345 move upslope to 1500m. 1349 1588m collect purple paragorgia. 1355 continue upslope. 1402 1502m collect sample of a large stalked sponge. 1417 1502m start transect #7 to W. 1435 1502m end transect #7. Collect samples. 1453 1500m begin transect #8 to SE. 1510 1499m end transect #8. 1517 1498m leave the bottom.

Pilot's Signature: Date: 10-21-11

Operations Director: Date: 10-23-11

For equipment deficiencies, refer to maintenance logs.