Rev. 11-21-09

PISCES IV DIVE REPORT

Pilot: MAX CREMER Dive #: P4-259 Date: OCTOBER 16, 2011

Observer 1: AMY BACO-TAYLOR

Affiliation: FLORIDA STATE UNIVERSITY

Observer 2: MELISSA ROHAL

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: ~~CRAIG~~ CLARY GUTZEIT

Dive Location: NECKER RIDGE

Latitude: N 21° 56.142'

Longitude: W 167° 20.449'

Time of Dive: 0834

Time of Surface: 1738

Time Submerged: 9:04

Time Thru Last Dive: 1824:46

Total Time to Dive: 1833:50

Dive Depth: 1896 m

Water Depth: 1896 m

Water Temperature: REFER TO CTD LOG

Visibility: GOOD, 20+ m

Dive Results/Remarks: CORAL AND ROCK COLLECTING DIVE ON NECKER RIDGE. 1038 1896m land on the bottom, gentle slope, rocky, manganese encrusted, with sediment pockets. 1051 1894m collect samples near landing site. 1107 start transect #1 to E. 1125 1857m end transect #1. Trackline depth is 1798m (Δ-59m). 1133 start transect #2 at 1860m, going S. 1151 1859m end transect #2. Continue contouring to S. 1205 ~~1853~~ 1855m 1853m collect samples. 1221 1852m collect sample and start transect #3 at 1232. 1253 1850m end transect #3 and collect samples. 1320 move upslope, sampling as opportunity arises. 1324 1844m collect sample of a large sponge. 1335 continue upslope. 1341 1852m collect skeleton sponge sample. 1344 continue upslope. 1350 1810m collect samples. 1358 continue upslope. 1419 1741m collect coralliem sample. 1427 continue upslope. 1433 1723m collect paragorgia. 1445 begin transect #4 to E. 1503 1714m end transect #4. 1507 move upslope to NE. 1511 1707m sampling. 1523 start transect #5 to E. 1541 1680m end transect #5 and prepare to leave bottom. Collect a large ~~slap~~ slab (~60x60cm) of Mn-pavement that happened to be loose and available at the take off site. 1545 leave bottom. Normal recovery

Pilot's Signature: Date: 10-18-11

Operations Director: Date: 10-19-11

For equipment deficiencies, refer to maintenance logs.