Rev. 09-06-12

PISCES IV DIVE REPORT

Pilot: MARK CREMER Dive #: P4-308 Date: OCTOBER 29, 2016

Observer 1: NICOLE MORGAN

Affiliation: FLORIDA STATE UNIVERSITY Dive Location: KAUAI, NWHI

Observer 2: MCKENZIE SCHOEMAKER NN Latitude: 28° 53.803'N

Affiliation: TEXAS A&M UNIVERSITY Longitude: 179° 33.062'W

Purpose: (Research) Training Test Time of Dive: 0819

Other: Time of Surface: 1455

Special Equipment: Time Submerged: 6:36

Cameras: MINI-ZEUS HD, ROS HD Time Thru Last Dive: 2124:33

Manipulators: ORION 7P, HYCO Total Time to Dive: 2131:09

Samplers/Sensors: ONE EMPTY RIO BOX, Dive Depth: 553m

2 RIO BOXES W/ 15 JARS EACH Water Depth: 553m

Support Vessel: R/V KAIMIKAI-O-KANALOA Water Temperature: 9.8°C @ 459m

Captain: MIKE HOSKYK Visibility: FAIR, 10-15m

Dive Narrative: TWO-SUB DIVE TO SURVEY AND SAMPLE SEAMOUNT CORAL HABITAT.
0856 439m land on the bottom on a steep, rocky slope with sandy patches.
0859 move upslope SW to the 400m contour. 0909 400m START transect #1 from 28°53.754'N, 179° 33.134'W. 0932 401m END transect #1 at 28°53.430'N, 179° 33.141'W. 0936 moving S toward WP2, about 330m away.* 0959 428m at the bottom of an outcrop with numerous coralliids at 28° 53.222'N, 179° 33.123'W. Begin sampling. 1137 420m complete sampling this coral bed, mostly SECUNDUM. 1158 move diagonally upslope to the SW. 1222 365m investigating an interesting karst-like carbonate rock formation with holes and caves at 28°53.112'N, 179° 33.239'W. 1239 P5 catches up with P4 at this location to get some video and still footage. P4 then moves downslope to NE, P5 downslope to SE. 1312 551m arrive at the 550m contour and follow it to the S for the remainder of the dive. 1400 553m final position 28°52.446'N, 179° 33.277'W, leaving the bottom. Normal recovery.

Pilot's Signature: [signature] Date: 11-11-16

Operations Director: Terry Kerby Date: 11-14-16

* The pilot's log does not mention a rendezvous with PISCES V on the way S.