Rev. 09-06-12

PISCES IV DIVE REPORT

Pilot: MAX CREMER Dive #: PH-502 Date: OCTOBER 23, 2016

Observer 1: NICOLE MORGAN

Affiliation: FLORIDA STATE UNIVERSITY

Observer 2: ARVIND SHANTHARAM

Affiliation: FLORIDA STATE UNIVERSITY

Purpose: (Research) Training Test

Other:

Special Equipment:

Cameras: MINI-ZEUS HD, ROS SD

Manipulators: ORION 7P, HYCO

Samplers/Sensors: 3 BIO BOXES, MEASURING TUBE

Support Vessel: R/V KAIMIKAI-O-KANALOA

Captain: MIKE HOSHLYK

Dive Location: PIONEER BANK, NWHI

Latitude: 26° 05.886' N

Longitude: 173°17.666' W

Time of Dive: 1246

Time of Surface: 1617

Time Submerged: 3:31

Time Thru Last Dive: 2097:11

Total Time to Dive: 2100:42

Dive Depth: 502 m

Water Depth: 502 m

Water Temperature: not recorded ~~EXCELLENT, 25+m~~ Gr

Visibility: EXCELLENT, 25+m

Dive Narrative: TWO-SUB DIVE TO RECOVER AN INSTRUMENT PACKAGE, "THE LANDER", AND TO BEGIN A CORAL HABITAT SURVEY IF TIME PERMITS.

1323 458 m land on the bottom in a flat, sandy area with large wave forces. P5 has located the lander while P4 is still working out trim and ballasting. P5 ranges 155m at bearing 150°. 1329 moving SE. 1335 451 m arrive at lander site where P5 is preparing the lander for ascent. 1400 P5 releases lander. P4 and P5 will remain stationary until lander is recovered and secured on HOK. 1423 lander is on the surface. 1435 lander is recovered and secured on HOK. 1436 moving downslope to 500m for a transect, P5 moving upslope to 400m. 1453 arrive at 500m contour. 1458 start transect from 26°05.906'N, 173°17.397'W. 1515 500m End transect at 26°05.695'N, 173°17.181'W. Collect a small sponge near the end-of-transect position. 1532 502 m leave bottom from 26°05.672'N, 173°17.176'W. Normal recovery.

Pilot's Signature: _____ Date: 10-26-16

Operations Director: Terry Kerby Date: 11-10-16