Rev. 09-06-12

PISCES IV DIVE REPORT

Pilot: MAX CREMER Dive #: P4-322 Date: SEPTEMBER 14, 2017

Observer 1: NIKKI MORGAN

Affiliation: FLORIDA STATE UNIVERSITY

Observer 2: KELLY KLEIN

Affiliation: FLORIDA STATE UNIVERSITY

Purpose: (Research) Training Test

Other:

Special Equipment:

Cameras: MINI-ZEUS HD, ROS SD

Manipulators: ORION 7P, HyCO

Samplers/Sensors: 2 BIO BOXES

Support Vessel: R/V KAIMIKAI-O-KANALOA

Captain: MIKE HOSHLYK

Dive Location: SOUTHEAST HANCOCK SMT

Latitude: 29°46.730'N

Longitude: 179°03.737'E

Time of Dive: 0830

Time of Surface: 1255

Time Submerged: 4:25

Time Thru Last Dive: 2204:03

Total Time to Dive: 2208:28

Dive Depth: 618m

Water Depth: 618m

Water Temperature: 7.3°C @ 556m

Visibility: GOOD, 15-20m

Dive Narrative: CORAL HABITAT EXPLORATION DIVE. GOAL IS TO RECOVER A SUB SEA SENSOR PACKAGE, THE "LANDER", AND, TIME PERMITTING, TO SAMPLE SOME OF THE EXISTING CORALIIDS, AND DOCUMENT LINE & NET POLLUTION. 0906 618m land on the bottom in very steep, basaltic terrain. PISCES V was passing underneath ~~upon~~ during approach to bottom. There are lines and entanglement hazards a short way upslope. 0912 moving upslope to "LANDER" depth, 556m then contour East. 0938 556m arrive at "LANDER" with P5 retrieving settlement trays and preparing to release the package. Advising P5 of position and status of entanglement hazards during the process. 1020 P5 releases the "LANDER" which is barely positively buoyant and rises very slowly. 1030 making sub to sub observations at the LANDER site. 1033 contour E along the slope to look for samples while "LANDER" is being recovered by the KOK. 1038 559m collect a coral sample at 29°46.671'N, 179°03.991'E. 1045 continue to contour E. 1058 572m collect a coral sample at 29°46.686'N, 179°04.030'E. 1107 continue E along the slope. 1116 569m collect a coral sample at 29°46.676'N, 179°04.066'E.

→ OVER →

Pilot's Signature: [signature] Date: 9-15-17

Operations Director: Terry Kerby Date: 9-20-17

PC-322

1131 567m decide to turnaround to W as communications with KOK are getting difficult and "LANDER" drifting W also.

1206 KOK reports that the "LANDER" was seen spotted on the surface. Staying in position at 29° 46.650'N, 179° 03.916'E while surface crew recovers the package.

1210 Lander is recovered and secured.

1211 588m leaving the bottom.

Normal recovery.