Rev. 09-06-12

PISCES IV DIVE REPORT

Pilot: MAX CREMER Dive #: P4-306 Date: OCTOBER 28, 2016

Observer 1: NICOLE MORGAN

Affiliation: FLORIDA STATE UNIVERSITY Dive Location: BANK 11, NWHI

Observer 2: KELCIE MILLER Latitude: * 28° 51.861' N

Affiliation: TEXAS A&M UNIVERSITY Longitude: * 179° 33.627' W

Purpose: (Research) Training Test Time of Dive: 0828

Other: Time of Surface: 0924

Special Equipment: Time Submerged: 0:56

Cameras: MINI-ZEUS HD, ROS SID Time Thru Last Dive: 2120:52

Manipulators: ORION 7P, HYCO Total Time to Dive: 2121:48

Samplers/Sensors: 2 BIO BOXES W/15 JARS EACH, Dive Depth: 156m

ONE EMPTY BIO BOX Water Depth: 725m

Support Vessel: R/V KAIMIKAI-O-KANALOA Water Temperature: not recorded

Captain: MIKE HOSHLYK Visibility: VERY GOOD, 20+m

Dive Narrative: TWO-SUB DIVE TO SURVEY SEAMOUNT HABITAT CONDIMONS. DIVE WAS ABORTED DUE TO A SMALL LEAK IN THE STBD VIEWPORT OF PISCES IV. The viewports made by STANLEY in 2012 are not a perfect fit. Therefore, a small amount of condensation can build on the sealing surface, which is pressed out during descent. Water extrusion will decrease with increasing depth and the viewports will seal at around 350 - 400m.
One observer was uncomfortable with this situation which led to the decision to abort the dive.
Water intrusion through the viewports will be monitored during subsequent descents.

*LAUNCH POSITION GV

Pilot's Signature: Date: 11-3-16

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