Rev. 09-06-12

PISCES IV DIVE REPORT

Pilot: MAX CREMER Dive #: P4-318 Date: AUGUST 24, 2017

Observer 1: CHRIS KELLEY

Affiliation: SOEST/HURL Dive Location: SOUTH OAHU

Observer 2: LEADSBY Latitude: 21°09.264'N

Affiliation: HURL BALLAST 170# Longitude: 158°05.812'W

Purpose: Research Training (Test) Time of Dive: 0851

Other: Time of Surface: 1507

Special Equipment: Time Submerged: 6:16

Cameras: MINI-ZEUS HD, ROS SD Time Thru Last Dive: 2183:01

Manipulators: ORION 7P, HYCO Total Time to Dive: 2189:17

Samplers/Sensors: SINGLECOVERED CRATE Dive Depth: 1653m

Water Depth: 1653m

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

Captain: MIKE HOSKYN Visibility: GOOD, 15-20m

Dive Narrative: FOURTH AND FINAL SEA TRIAL DIVE 2017. GOAL IS TO REACH DEEP WATERS, 1500+ meters, close to the Rankers Point Wall drop-off. SECONDARY GOAL IS TO INVESTIGATE TARET "LONE STAR", AN ANOMALY THAT COULD BE A SHIPWRECK. 0946 926m land on the bottom in a flat, sandy area. P4's trim is good for a downslope run. "LONE STAR" anomaly ranges ~~4100~~ 4100m, bearing 270°. 0955 moving W toward "LONE STAR", stopping occasionally to investigate acoustic and other clutter on the sea bed. 1030 "LONE STAR" range 2900m, bearing 245°. 1103 target range 2400m, bearing 235°. 1146 1277m standing by for P5 to close as communications become difficult due to large distance between subs. Target range 1565m, bearing 222°. 1155 continue WSW. 1212 range 1200m, bearing 215°. 1223 range 1000m, bearing 200°. 1236 range 700m, bearing 190°. 1305 1653m at or very near target "LONE STAR", conducting a 360° SONAR survey, yielding no good targets. Position is 21°08.636'N, 158°08.005'W. 1312 move toward P5, bearing of 040. P5 is experiencing thruster problems. 1326 1624m leaving the bottom. ~~force~~ Normal recovery.

Pilot's Signature: Date: 9-10-17

Operations Director: Terry Kerby Date: 9/12/17