Rev. 11-21-09

PISCES IV DIVE REPORT

Pilot: MARK CREMER Dive #: P4-242 Date: February 23, 2011

Observer 1: COLIN WOLLERMAN (PIT)

Affiliation: HURL Dive Location: SOUTH OAHU

Observer 2: CHRIS KELLEY Latitude: [redacted]

Affiliation: HURL Longitude:

Purpose: Research (Training) (Test) Time of Dive: 1031

Other: Time of Surface: 1608

Special Equipment: Time Submerged: 5:37

Cameras: NIKI-ZEUS HD, ROS SD Time Thru Last Dive: 1724:21

Manipulators: ORION 7P, HYCO Total Time to Dive: 1729:58

Samplers/Sensors: SAMPLE CRATE Dive Depth: 564 m

Water Depth: 564 m

Support Vessel: R/V KAIMIKAI-O-KANALOA Water Temperature: refer to CTD log

Captain: ROSS BARNES Visibility: fair 10-15 m

Dive Results/Remarks: SPRING 2011 TEST & TRIAL DIVE.
1117 554m land on the bottom in a flat, sandy area with some munitions. 1138 555m investigating an old vehicle lying on its side. 1141 moving E towards munitions trail on side scan data. 1156 559m arrive at munitions trail. Following munitions trail to SE. Most appear to be MK 30 chemical containers. 1244 leave munitions trail to meet up with P5 at primary target, getting footage of munitions and vehicle remains on the way. 1351 P5 reports to be at shipwreck, depth 545m. 1412 arrive at shipwreck and rendezvous with P5. Exercising wreck diving operations with two subs until 1500. 1502 move SW towards secondary target. 1516 533m settle down on large rock feature (Carbonate), near secondary target. 1522 leaving the bottom from this position. Normal recovery.

Pilot's Signature: [signature] Date: 2-27-11

Operations Director: Terry Kerby Date: 4/14/11

For equipment deficiencies, refer to maintenance logs.