Rev. 08-20-13

PISCES V DIVE REPORT

Pilot: Terry Kerby Dive #: PS-902 Date: Oct 2, 2017

Observer 1: Brendan Roark

Affiliation: Texas A&M

Observer 2: Blue Eisen

Affiliation: HURL sub ops - PIT

Purpose: (Research) (Training) Test

Equipment Used:

Cameras: Mini Zeus HD - ROS-5D

Manipulators: Titan 4 - HYCO

Samplers & Sensors: 2 Bio Boxes CTD

Support Vessel: RV Kaimikai-O-Kanaloa

Captain: Mike Hoshlyk

Dive Location: SE Hancock

Latitude: 29°47.232' N

Longitude: 179°02.851' W

Time of Dive: 0753

Time of Surface: 1511

Time Submerged: 7:18

Time Thru Last Dive: 6053:43

Total Time to Dive: 6061:01

Dive Depth: 609m

Water Depth: 609m

Water Temperature:

Dive Narrative: Two sub dive to conduct transect surveys and sampling as part of the deep coral reef ecosystem assessment expedition. 0816 PS diving. 0835 Land on a steep rocky (Basalt) bottom in 564m. Several corallium Regale in area. 0906 608m collecting samples. 0916 PY on the bottom in 698m. 0918 Start transect #1 on 600m contour. 0940 605m End transect. Discovered many coral dredging lines on transect. Collecting samples. 1010 609m Start transect #2. Moving along rugged vertical basalt terrain with many drag lines, tangle nets, and dredge weights. 1015 End transect. 1046 600m. Move upslope to the East. Move up vertical basalt and carbonate terrain with lines, nets and dredge wts on wall and many spans across deep gulleys. Dense madrapora debris in gullies and on walls. 1113 557m. On a pinnacle feature with dense madrapora, Corallium Regale, Corallium Secondum, 202'

over →

Pilot's Signature: Terry Kerby Date: 10/2/17

Operations Director: Terry Kerby Date: 10/2/17

acanella with juvinile gold and live madrapora. Nets lines and dredgeweights on pinnacle. 1113 to 1357 conducting sampling in this area.
Pisces IV has been running 400 m transects over clean scoured carbonate. No corallium. 1334 Moved upslope from pinnacle feature to sparse carbonate terrain. Report of austere bottom transects from Pisces IV drives Pisces V back down to pinnacle features. 1357 554m. Back in sampling site area collecting samples. 1432 Leave the bottom from 570m. 1456 On the surface. 1508 Secure on deck.