

PISCES V DIVE REPORT

Pilot: T. Kerby Dive #: P5-900 Date: Sept 30, 2017  
 Observer 1: Brenden Roark  
 Affiliation: TAMU Dive Location: NW Hancock  
 Observer 2: Faith Kremer Latitude: 30° 15. 258' N  
 Affiliation: FAMU Longitude: 178° 42. 719' W  
 Purpose: Research Training Test  
 Equipment Used:  
 Cameras: Mini Zeus HD - ROS-SD  
 Manipulators: Titan 4 - HYCO  
 Samplers & Sensors: 2 Bio Boxes  
 Time of Dive: 0753  
 Time of Surface: 1656  
 Time Submerged: 9:03  
 Time Thru Last Dive: 6036:25  
 Total Time to Dive: 6045:28  
 Dive Depth: 780m  
 Support Vessel: R/V Kaimikai-O-Kenaloa Water Depth: 780m  
 Captain: Mike Hoshlyk Water Temperature: 5.2° @ 780m

Dive Narrative: Two sub dive to conduct contour transects and sampling. Pisces V launches first. 0803 In Water. 0852 Land on a steep sandy bottom with a covering of detritus at 771m. 0907 780m moving upslope. 0915 Pisces IV is on the bottom in 557m. 0920 P5 moving up vertical carbonate and basalt terrain. 0930 603m Corallium live but laying loose on basalt shelf. 0940 590m on vertical basalt wall with madrapora debris and corallium. Many drag lines with nets and dredge weights on walls. Some piles of line with spans across gulleys. Dense madrapora debris in gulleys and shelves on wall. 0952 589m. Into an area with low angle carbonate with a lot of corallium, acanella, madrapora, juvenile gold on acanella and many lines. Collecting many samples. 1043 Summit area dense with madrapora and several corallium regale. 1105 Pisces IV has discovered a large dead gold coral at 547m. 1106 Pisces V moving to P4 position. P4 standing by. 1142 Locate

Pilot's Signature: Terry Kerby Date: 10/7/17  
 Operations Director: Terry Kerby Date: 10/7/17

Over →

P5-900

Pisces IV in a steep gulley between vertical carbonate walls. Pisces IV moves away and continues transects. P5 moves into area with large dead coral tree. This may be the record. It appears to be larger than the one discovered on Kammu Seamount. No large live gold coral trees have been seen on any of these seamounts so far. They have been broken down by trawl nets and coral dredging and take too long to grow back. After recovering large dead gold coral Pisces V moves up the wall in search of the base of the tree or any signs of gold corals. 1205 438m Have moved up to an area of steep smooth carbonate terrain with many large branched bamboo corals. Lay large gold tree on bottom and collect several bamboo coral tree samples. 1231 382m Collecting branched bamboo coral tree samples. 1257 337m Moving upslope. 1334 start transect #1 along 400m contour. 1408 End transect #1. Moved along vertical wall. 1412 397m. Drop back down vertical wall. 1441 518m Collecting *Corallium secundum*. Pisces IV passes over P5 doing transect. 1507 Move upslope to the NW. Discover trawl door on cliff. Moving up vertical carbonate terrain. Discover massive amounts of trawl gear as we approach the top of the seamount. Large trawl doors with strings of steel balls and cable. 1530 P4 leaves the bottom. 1619 289m Battlezone. Discover a carbonate outcrop on summit that has claimed several sets of trawling gear. We count 5 large trawl doors with many strings of bottom rollers and piles of net. Large chunks of carbonate have been broken off bottom feature by fishermen trying to recover their trawl gear. The armorhead in this area are dense. 1620 289m Leave the bottom. 1635 On the surface. 1656 Secure on deck.