

PISCES V DIVE REPORT

Pilot: Terry Kerby Dive #: P5-908 Date: Oct 29, 2017
 Observer 1: Nikki Morgan
 Affiliation: FSU Dive Location: SEnd West Northampton
 Observer 2: Jessica Perelman Latitude: 25°23.003'N
 Affiliation: UH Longitude: 172°24.152
 Purpose: Research Training Test
 Equipment Used: Time of Dive: 0747
 Cameras: Mini Zeus HD-205-5D Time of Surface: 1620
 Manipulators: Titan 4 - HYCO Time Submerged: 8:33
 Samplers & Sensors: 2 Bio boxes Time Thru Last Dive: 6101:27
CTD Total Time to Dive: 6110:00
 Support Vessel: R/V Kaimikai-O-Kanaloa Dive Depth: 751m
 Captain: Mike Hoshlyk Water Depth: 751m
 Water Temperature: 5.3° @ 751m

Dive Narrative: Two sub dive to conduct contour transect surveys and collect samples. 0758 Pisces IV descending 0837 Pisces IV descending. 0833 Land on a barren sandy slope at 751m. 0844 Move WNW. 0852 700m. Start transect #1 on 700m contour to the SW. 0909 P4 on the bottom in 753m. 0910 700m End transect #1. 0915 701m start transect #2. 0934 699m End transect #2. 0946 700m. Start transect #3. 1005 699m End transect #3. The map for this area showed what looked like very radical terrain that looked like it might be large debris from a landslide feature. So far we have moved over barren fine carbonate sand. 1012 Collect sea pen. 700m. 1015 698m moving upslope to the NE. Moving up low angle carbonate pavement. Slopes are heavily sedimented with sand channel grooves and no corals. 1052 501m Start transect #4 to the East on the 500m contour. 1112 500m. End transect #4.

Pilot's Signature: Terry Kerby Date: 10/31/17 ^{over}
 Operations Director: Terry Kerby Date: 10/31/17

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1120 Start transect #5. Transecting along 500m contour. Come across a vertical wall section about 20m wide with gold and corallium growing on wall. Clean sloping carbonate with no corals and a dusting of sand comes to a clean break with vertical to overhanging walls with many corals. Move beyond coral wall. Most of transect is on sloping walls with sand grooves and no corals. 1146 503m End transect #5.
1154 500m Start transect #6. 1220 500m End transect #6.
1229 498m Collect a bathypathes. 1245 Moved back to vertical wall section with corals. 1315 Working on vertical wall collecting corals. 1535 492m Moving upslope to 450m. 1450 436m Collecting samples.
1457 450m Move south on 450m contour. 1500 P4 leaves the bottom. 1520 350m Moved upslope to 350m Nerella forest. Collecting samples. 1547 349m Leave the bottom. 1603 On the surface. 1614 On deck.