

## PISCES V DIVE REPORT

Pilot: Terry Kerby Dive #: 05-903 Date: Oct. 21, 2017  
 Observer 1: Brenden Roark  
 Affiliation: Texas A&M Dive Location: Brooks Banks NWBH  
 Observer 2: Danielle Schimmenti Latitude: 23° 56.340'N  
 Affiliation: TAMU Longitude: 166° 39.30'W  
 Purpose:  Research  Training  Test Time of Dive: 0755  
 Equipment Used: Time of Surface: 1544  
 Cameras: MiniZeus HD-ROS-SD Time Submerged: 7:49  
 Manipulators: Titan 4 - HYCO Time Thru Last Dive: 6061:01  
 Samplers & Sensors: 2 Bio Boxes Total Time to Dive: 6068:50  
 Support Vessel: R/V Kamikaze-O-Kenaloa Dive Depth: 563m  
 Captain: Mike Hoshlyk Water Depth: 563m  
 Water Temperature: 6.9°C @ 563m

Dive Narrative: Two subdive to conduct contour transect surveys and sampling. Pisces V launches first. 0831 Land on a hard current scoured carbonate bottom. Gentle current going North. Depth 360m. 0847 Move upslope to the NNW. 0911 Pisces IV on the bottom in 560m. Both subs moving NNW to start transects. 0952 551m Collecting samples. 0956 551m Move NNW. 1024 Collecting samples. Not gaining altitude to 500m. Move WNW. In rocky terrain. Carbonate sand and coarse rubble with boulders and clean scoured patches of carbonate. Start seeing many live gold coral trees. 1122 498m Collect large dead gold coral tree. Moving up to 450m Contour. P4 starts first transect N at 500m with a light northerly current. 1149 450m Begin first transect at 450m into a current coming out of the N. Current has switched direction and is intensifying. 1200 Large boulder with many

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live gold coral trees and many large dead gold coral trees at base of boulder. 450m collecting dead gold coral trees. 1149 Restart 450m contour to the N. 1200 Collecting large dead gold coral trees. 1215 451m Restart transect. 1238 450m End transect. Current getting stronger to the south. Using a lot of power to run into the current. Will move up to 400m and transect to the south with the current. 1332 Begin transect to the South. Both subs transecting south with current. 1348 400m. End transect. 1350 400m Start transect #3 with a very strong southerly current. 1403 396m End transect. 1405 P4 leaves the bottom with low battery power. 1406 Start transect #4 running with a strong southerly current. 1417 End transect #4. 1418 406m Move down slope with current to 450m. 1428 450m Start transect #5. 1440 End transect. 1440 458m Start transect #6. Current very strong out of the N. At end of transect current suddenly stops then minutes begins to run very strong to the North. Can barely hold Pisces V in the current at full thrust. Abort dive. 1502 Leave the bottom from 458m 1525 On the surface. 1540 On deck.