

PISCES V DIVE REPORT

Pilot: Terry Kerby Dive #: P5-906 Date: Oct 27, 2017
 Observer 1: Brenden Roark
 Affiliation: TAMU Dive Location: 5 Side East Northampton
 Observer 2: Melissa Betters Latitude: 25° 17.576' N
 Affiliation: FSU Longitude: 172° 00.935' W
 Purpose: Research Training Test Time of Dive: 0753
 Equipment Used: Time of Surface: 1635
 Cameras: Mini Zeus HD - ROS-SD Time Submerged: 8:42
 Manipulators: Titan 4 - HYCO Time Thru Last Dive: 6083:49
 Samplers & Sensors: 2 Bio Boxes Total Time to Dive: 6092:31
CTD Dive Depth: 793m
 Support Vessel: R/V Kaimikai-O-Karaka Water Depth: 793m
 Captain: Mike Hoshlyk Water Temperature: 4.9°C @ 791m

Dive Narrative: Two sub dive to conduct contour transect surveys and collect samples. 0806 P5 descending, 0845 P4 descending. 0850 Lend on a steep boulder and send covered slope at 791m. 0857 791m moving upslope to the West. 0911 Start transect #1 to the South on the 700m contour. Moving through rocky layered ash and basalt breccia terrain. 0917 P4 on bottom at 800m. 0935 696m. End transect #1. 0942 Collecting samples. Leptathis on rocky terrain. 0953 698m collect bamboo coral sample. 0957 698m Start transect #2. 1019 703m. End transect #2. Collecting samples. 1042 658m. Coral covered boulders in steep rock and sand terrain. Dendrofillia. 1054 659m Collect samples. Moving through areas with dense madrepora debris. 1137 700m Start transect #3. Moving North. 1200 706m End transect #3. 1207 706m moving upslope to 500m. Moving to the NW over steep to vertical rocky terrain.

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

walls of layered ash with heavily sedimented ledges.
1248 Clean vertical to overhanging carbonate with dense beds of corallium. 547m collecting corallium samples.
1253 Moving North. 1258 502m. Get position for start of transect #4. 1300 start transect #4 to the East on the 500m contour. 1328 500m. End transect #4. Top of vertical wall is clean sand scoured 45° angle slope of carbonate. Vertical to overhanging terrain has dense gold and corallium corals. 1341 500m. Start transect #5 to the west.
1354 Pisces IV leaves the bottom. 1402 504m on a vertical wall with dense gold and corallium corals. End transect #5. Collecting samples on wall. 1450 540m Several dead coral trees accumulated in steep gulleys at the base of walls or in deep cut canyons. 1458 Collect large dead gold coral tree at 542m. 1516 500m Start transect #6. 1545 500m. End transect. 1600 344m Leave the bottom. 1618 On the surface. 1629 On deck.