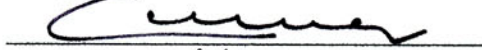



PISCES V DIVE REPORT

Pilot: MAX CREMER Dive #: PS-739 Date: APRIL 7, 2009
 Observer 1: TONY MONTGOMERY
 Affiliation: DEPT. OF AQUATIC RESOURCES Dive Location: AU'AU CHANNEL
 Observer 2: DANIEL WAGNER Latitude: 20° 56.616' N
 Affiliation: UH OCEANOGRAPHY Longitude: 156° 45.711' N
 Purpose: Research Training Test Time of Dive: 0807
 Other: _____ Time of Surface: 1622
 Special Equipment: _____ Time Submerged: 8:15
 Cameras: MINI-ZEUS, ROS Time Thru Last Dive: 4978:11
 Manipulators: TITAN 7F, HYCO Total Time to Dive: 4986:26
 Samplers/Sensors: CTD-DO, SAMPLE CRANES, Dive Depth: 211 m
MARKERS Water Depth: 211 m
 Support Vessel: R/V KUMIKURI-C-KANALOA Water Temperature: REFER TO CTD LOG
 Captain: ROSS BARNES Visibility: GOOD, 15+ m

Dive Results/Remarks: CORAL REEF ECOSYSTEM SURVEY DIVE.
0832 ON bottom at 211m in a flat, sandy area. Current coming out of E.
0841 Move SE toward MKR#4. 0904 189m at MKR#4. Recover MKR#4. 0908 move upslope to 160m. 0924 159m deployed MKR#14, then move upslope to 134m toward MKR#6.
0933 134m at MKR#6. Recover MKR#6, deploy #16. 0939 move upslope to 115m. 0944 127m collect leptosira's and 2 black coral samples. 1006 116m deploy MKR#15. 1014 move to 114m toward MKR#5. 1021 114m at MKR#5. Recover MKR#5. 1032 move upslope to 102m toward MKR#2. Substitute #2 for MKR#17. Collect black coral and sponge samples.
1102 move to 88m toward MKR#3. 1106 88m at MKR#3. Recover #3 and deploy #12.
1125 removed T-sensor from MKR#3 so that it can be used as Xrect marker and T-sensor can be retrieved. 1127 72m start transect #1 to SE, collecting several samples under way. 1228 67m end Xrect #1. 1236 deploy MKR#5. 1250 move around Equipment Deficiencies: looking for samples. 1346 65m completed sampling in this area.
1346 move toward drop off. Collect samples at various depths until end of dive.
1602 leave bottom from 88m. Normal recovery.

Pilot's Signature:  Date: 10-21-09
 Operations Director:  Date: 11/19/09