

PISCES V DIVE REPORT

Pilot: MAX CREMER Dive #: PS-586 Date: October 8, 2004
 Observer: STUART FALLON
 Observer Title/Affil.: LAWRENCE-LIVERMOORE LABORATORY Dive Location: LANIKAI, EAST OAHU
 Observer: BRANDON ROHRK Latitude: N 21:24.4
 Observer Title/Affil.: U BERKELEY Longitude: W 157:38.0
 Purpose: Research Training Test
 Other: _____ Time of Dive: 0811
 Special Equipment (Cameras, Manipulators, Samplers, etc.) Time of Surface: 1640
SONY DV, ROS COLOR, HYCO, TITAN, Time Submerged: 8:29
CTD-DO Time Thru Last Dive: 3839:36
 Support Vessel: R/V UH MIKAI-O-KANALOA Total Time to Dive: 3848:05
 Captain: ROSS BARNES Dive Depth: 567 m
 Water Depth: 567 m
 Water Temperature: 6.0°C @ 567 m
 Visibility: CLEAR 20+ m

Dive Results/Remarks: Coral survey and collection dive. New dissolved oxygen sensor was tested successfully. 0848 Land on flat, sandy bottom in 567m. 0902 moving S. 0911 536m collecting dendroplithia. 0918 continue upslope to S. 1003 430m collect branched bamboo coral with ophiuroids. 1016 continue to SW. 1033 431m collect corallium vegalia. 1046 continue to SW 1049 427m collect corallium vegalia. 1106 continue SW. 1128 contour to SSE at 400m. 1223 401m collect large fallen specimen of deep water black coral. 1229 continue to S at 400m. 1254 406m at "Grand Daddy", large gold coral tree. 1248 404m collect medium size ~~specimens~~ ^{or} gerardia colony close to giant. 1256 continue to S. 1347 410m collect gerardia specimen. 1355 continue to S. 1404 406m collect large, fallen gerardia tree stump. 1429 406m observe large gold tree with numerous eels, crabs, and other organisms. 1435 move SSE. 1452 415m encounter area with very large gerardia specimens. 1506 continue to SSE. 1538 414m arrive at target plateau, substrate is smooth sand, no rocky outcrops. 1603 426m leave bottom. Make a normal recovery.

Equipment Deficiencies: Sony DV did not record any footage. Oxygen leak from open kull shop resulted in low emergency supplies.

Pilot's Signature: _____

Date: October 8, 2004.

Operations Director: _____

Date: Oct. 9, 2004