

PISCES V DIVE REPORT

Pilot T. Kerby Wt. \_\_\_\_\_  
 Observer C. Holbway (PIT) Wt. \_\_\_\_\_  
 Observer Title/Affil. HURI Sub ops.

Dive # 438  
 Date Sept. 4, 2000

Observer Kevin Johnson Wt. \_\_\_\_\_  
 Observer Title/Affil. Bishop Museum

Time of Dive 0945  
 Time of Surface 1355  
 Time Submerged 1:35  
 Time Thru Last Dive 2774:26  
 Total Time to Dive 2779:01  
 Dive Depth 1068<sup>m</sup>  
 Water Depth 1068<sup>m</sup>  
 Water Temp. \_\_\_\_\_  
 Visibility \_\_\_\_\_  
 ABT # at Neutral \_\_\_\_\_  
 Captain Bob Hayes

Dive Location Kahe Pt. (Bone site)  
 Lat. \_\_\_\_\_ Long. \_\_\_\_\_  
 Purpose:  Research  Training  Demo

Other: \_\_\_\_\_  
 Special Equipment:  
 Camera (type) Sony/Photosea/Panasonic  
 Manipulator Hyco/Titan  
 Other \_\_\_\_\_  
 Support Vessel Kaimikei-O-Kanaloa

Dive Results/Remarks: Dive to test deep tracking and communications capabilities and to collect a bone from the whale bone site. 1037 Land on a sandy bottom in 1054<sup>m</sup>. 1050 Begin moving to the South West. Search for bone site. 1119 Chuck detects problems with the thruster tilt system. There is a loud pop, followed by no thruster tilt control. The thrusters are frozen in the vertical position. Drop two ascent wts and leave the bottom. Make a recovery without surface positioning ability.

Equipment Deficiencies: Uneven pressure on the std guillotine system caused the std guillotine to activate and seize the thruster tilt bar. This caused the shaft to break on the thruster tilt hydraulic motor. This was caused by a leaky valve fitting in the frame.

Pilot T. Kerby  
 Ops. Mgr. Bob Hayes

Date 9/9/00  
 Date 9/9/00