

PISCES V DIVE REPORT

Pilot MAX CREMER Wt. \_\_\_\_\_  
 Observer CHRIS KELLEY Wt. \_\_\_\_\_  
 Observer Title/Affil. HURL SENIOR MARINE  
BIOLOGIST  
 Observer \_\_\_\_\_ Wt. \_\_\_\_\_  
 Observer Title/Affil. \_\_\_\_\_

Dive # PS - 560  
 Date AUGUST 30, 2004

Dive Location OFF BARBER'S PT., OAHU  
 Lat. N 21:17.4 Long. W 158:07.5  
 Purpose:  Research  Training Demo  
 Other: \_\_\_\_\_  
 Special Equipment:  
 Camera (type) SONY / ROS  
 Manipulator TITAN - HY20  
 Other CTD, SCANNING SONAR  
 Support Vessel R/V KAIMIKAI-O-KANALOA

Time of Dive 0858  
 Time of Surface 1407  
 Time Submerged 5:09  
 Time Thru Last Dive 3655:12  
 Total Time to Dive 3660:21  
 Dive Depth 401 m  
 Water Depth 401 m  
 Water Temp. 10.1°C @ 401m  
 Visibility \_\_\_\_\_  
 ABT # at Neutral \_\_\_\_\_  
 Captain ROSS BARNES

Dive Results/Remarks: Test and Trial dive in preparation of the 2004 HURL dive season. Main purpose of this mission was to test the newly acquired pinger/receiver system from BENTHOS. Exercise design was to separate PISCES 4 and PISCES 5 by 300 to 800 meters, then <sup>activate</sup> ~~employ~~ one submersible's subphone pinger mode and track ~~the~~ it with the other sub's receiver. Noise interference from the PS's hydraulic and hoists systems overwhelmed all transmitted signals from the P4. The P4 could only be tracked and found by following the contour of her known depth. Recovery was normal.

Equipment Deficiencies: Altimeter intermittent; Recording monitor went out; Tracking system unusable to find other sub.

Pilot   
 Ops. Mgr. 

Date September 2, 2004  
 Date Sept 2, 2004