

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. \_\_\_\_\_  
 Observer Geoff Wheat Wt. \_\_\_\_\_  
 Observer Title/Affil. MBRI

Dive # PV-316  
 Date Oct. 9, 1996

Observer Allen Wright - Co-Pilot Wt. \_\_\_\_\_  
 Observer Title/Affil. HURL

Time of Dive 0820  
 Time of Surface 1656  
 Time Submerged 8:36  
 Time Thru Last Dive 1889:22  
 Total Time to Dive 1897:58  
 Dive Depth 1212<sup>m</sup>  
 Water Depth 1212<sup>m</sup>  
 Water Temp. \_\_\_\_\_  
 Visibility \_\_\_\_\_  
 ABT # at Neutral \_\_\_\_\_  
 Captain Bob Hayes

Dive Location Loihi - Site #2  
 Lat. 18°54.6'N Long. 155°15.3'W  
 Purpose: Research Training Demo

Other: \_\_\_\_\_  
 Special Equipment:

Camera (type) Sony-Panasonic-Photosea  
 Manipulator Titan-Hyco  
 Other \_\_\_\_\_

Support Vessel R/V Kaimikai - O-Kenaka

Dive Results/Remarks: Land in sand channel in 1212<sup>m</sup>. Allen takes sub to "sand box". Shift positions. I take sub from sand box to vent field. Land in vent site #2 at 1170<sup>m</sup>. Taking samples. Temp. probe in sand is 56.8<sup>°C</sup>. Collect bacterial mat with rosette sampler. Trigger Labomba, deploy osmo sampler and MTR after making a hole for them. Shift sub position. Trigger Lupton sampler and 3 major. Move NE to marker #5 at 1175<sup>m</sup>. Put temp. probe in a vent. 52.6<sup>°C</sup>. Collect 3 sediment scoops. Move upslope to 1100 m. looking for vents. See shimmering at 1099<sup>m</sup>. Weak venting. Search for more. Leave the bottom from 1061<sup>m</sup>.

Equipment Deficiencies: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Pilot Terry Kerby  
 Ops. Mgr. RJK

Date 10/10/96  
 Date 10/10/96