

PISCES V DIVE REPORT

Pilot A. Wheat Wt. \_\_\_\_\_  
 Observer Co Pilot Terry Kerby Wt. \_\_\_\_\_  
 Observer Title/Affil. HURC

Dive # PV-313  
 Date 10-5-96

Observer Geoff Wheat Wt. \_\_\_\_\_  
 Observer Title/Affil. \_\_\_\_\_

Time of Dive 0825  
 Time of Surface 1729  
 Time Submerged 9:04  
 Time Thru Last Dive 1862:36  
 Total Time to Dive 1871:40  
 Dive Depth 1335m  
 Water Depth \_\_\_\_\_  
 Water Temp. \_\_\_\_\_  
 Visibility \_\_\_\_\_  
 ABT # at Neutral \_\_\_\_\_  
 Captain Bob Hayes

Dive Location Loihi - South Rift - NAHA Vents  
 Lat. 18°53.48'N Long. 155°15.19'W

Purpose: Research Training Demo vent site NAHA vents  
 Other: \_\_\_\_\_

Special Equipment:

Camera (type) Sony Digital, Photosea, Panasonic  
 Manipulator Schilling Titan, Hyco PHA  
 Other \_\_\_\_\_

Support Vessel R/V KOK

Dive Results/Remarks: Terry lands on bottom @ 1335m. Move to SE to "NAHA" vent field. Locate fissure w/ venting and deploy Marker #6. Fissures trend NW/SE. Move NE of crack and sample a vent. Temperature 22.8°C. Collect 7 buckets of bacterial mat, LaBomba, Lupton Gas tight and Two Majors. Deploy MBARI's MTR/OSMO sampler and mark w/ MARKER #1. Move W past Marker 6 to new vent. Change Pilots. Collect bacterial mat w/ suction sampler, Vent temp 20.0°C. MARK vent w/ MARKER #3. Collect Niskin Sample at #6 Crack. Collect friable glassy pillow fragments from Crack Margin. ENTIRE field is "shelly pillows" w/ Black Sand: Lt Sediment Covering. Leave bottom from 1324m.

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

Pilot A. Wheat  
 Ops. Mgr. Terry Kerby

Date 10-13-96  
 Date 10-13-96