

PISCES V DIVE REPORT

Pilot T. Kerby Wt. \_\_\_\_\_ Dive Number P5-245  
 Observer D. Karl Wt. \_\_\_\_\_ Date Sept. 15, 1993  
 Observer Title/Affil. UofH

Observer G. Moyer Wt. \_\_\_\_\_  
 Observer Title/Affil. UofH

Dive Location Loihi - Pele's vent Time of Dive 0740  
 Lat. 18°54.47'N Long. 155°15.58'W Time of Surface 1453

Purpose: Research Training Demo Time Submerged 7:13  
 Other \_\_\_\_\_ Time Thru Last Dive 1370:33

Special Equip.: Total Time to Dive 1377:46  
 Camera (type) \_\_\_\_\_ Dive Depth 1075m

Manipulator Schilling (Titan II) - HYCO Water Depth 1075m  
 Other \_\_\_\_\_ Water Temp. 30°C High  
 Visibility \_\_\_\_\_

Support Vessel R/V Kila ABT # at Neutral  
 Captain R. Barnes

Dive Results/Remarks: Sear fair. Approach Pele's Vents peak from N.E. side. Land in 1075m on a steep rugged rocky bottom. Move N. and S. to locate finger slope. 0920 Move upslope to Pele's Vents to start collecting. At "Hot Hole" site at 0935 975m. Temp. Probe in vent. 18°C. Take Labomba sample. Take a major sample. take Lupton sample. Recover MTR temp. probe #10. Move up to boulder field vent. Put probe in vent 31°C. Take Niskin sample, Take Ti-sample (major) Take Lupton gas tight sample. Collect old shrimp trap. Move down to OBC site. Recover MTR. Try to get down to "Great Crack" site. Strong current coming up from N.E. slope. Makes approach to Great Crack site along cliff hazardous. Abandon effort after several attempts move down to finger slope area at 1040m on N. side of peak. Take 8 rosette samples of mat. from finger field. Move upslope back to Pele's vents. Leave the bottom from Pele's vents take two more Niskin samples.

Equipment Deficiencies: \_\_\_\_\_  
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Pilot T. Kerby Date 9/16/93  
 Ops. Mgr DK Date 9/16/93