

PISCES V DIVE REPORT

Pilot T. Kerby Wt. _____ Dive Number 95-246
 Observer C. Mayer Wt. _____ Date Sept. 17, 1993
 Observer Title/Affil. Uaf H

Observer A. Wright Wt. _____
 Observer Title/Affil. HURL

Pilot training
 Dive Location Loihi, Pele's Vents
 Time of Dive 1023
 Time of Surface 1640
 Time Submerged 6:17

Lat. 18°54.47'N Long. 155°15.58'W
 Time Thru Last Dive 1377:46

Purpose: Research Training Demo
 Total Time to Dive 1387:03

Other Pilot training - Science dive.
 Dive Depth 980^m

Special Equip.: Water Depth 980^m

Camera (type) Sony (Hi-8) Panasonic Photos Water Temp. _____

Manipulator Schilling-Titen II - HYCO Visibility _____

Other Baited shrimp trap, Collecting box, MTR's, 2 Niskin Bottles, Rosette sampler.
 ABT # at Neutral _____

Support Vessel: R/V Kila Captain: R. Bernes

Dive Results/Remarks: Pilot training and sampling dive at Pele's Vents. Allen does takeoff, descent, approach and landing at pele's vents. Land in vent field near "great Hot Hole" in "shrimp zone." Switch positions. Move up to "boulder hot hole." Current building to the W&W. Probe in vent. 30°C. Take Major sample & Lupton sample. Trigger forward Niskin. Recover #4 MTR from shrimp zone hot hole before moving to boulder zone. Also set shrimp trap. Trigger La bomba sampler in "boulder zone hot hole." Collect mat with suction collector. 8 buckets of mat from active vents near boulder hot vent. Set out MTR #10. Set MTR #9 at shrimp zone hot hole. Collected Glass Wool mat samplers 1, 3, & 7. Move down to OBO site. Collect MTR from OBO site at 1344 975^m. Strong current moving upslope. Locate "great Crack" site on side of slope. Collect wool trap and MTR. Move up to Shrimp Zone hot hole. Trigger Major & Lupton sampler. Allen gets practice with arm handling samplers. Lift off. Take Niskin samplers at 945^m & 915 drop shot. Surface at 1616. Make a normal recovery.

Equipment Deficiencies: No Malfunctions.

Pilot T. Kerby Date 9/18/93
 Ops. Mgr T. Kerby Date 9/18/93