

PISCES V DIVE REPORT

Pilot T. Kerby Wt. _____ Dive Number P5-242
 Observer A. Wright Wt. HURL Date Sept. 7, 1993
 Observer Title/Affil. Pilot Trainee

 Observer F. Sansone Wt. _____
 Observer Title/Affil. U of H. Time of Dive 0740
 Time of Surface 1640
 Dive Location Loihi-Pele's Vents Time Submerged 9:00
 Lat. 18°54.47'N Long. 155°15.58'W Time Thru Last Dive 1354:33
 Purpose: Research Training Demo Total Time to Dive 1363:33
 Other Pilot training - science dive Dive Depth 1035^m
 Special Equip.: Water Depth 1035^m
 Camera (type) Sony-Panasonic-Photosea Water Temp. _____
 Manipulator HYCO-Schilling Visibility _____
 Other _____ ABT # at Neutral _____
 Support Vessel R/V Kila Captain R. Barnes

Dive Results/Remarks: Seas fair. Dive to 1035^m to finger slope site on N.E. side of Pele's Vents Peak. Collect mat and take two water samplers with Lupton sampler and Ti-^(major)sampler. Chimneys are venting. Move upslope to Pele's Vents. Land in "shrimp zone" at southern boundary of vent field. Pilot training for Allen. 1045 Switch pilots again for collecting. Put out shrimp trap. Put thermister prob in vent. Move back from sampling sit about 2 meters and test another vent with prob. Hotter temps. (99°C) Take 6 Bumbo sample. Take Lupton sampler, Take Ti-sampler. Take Niskin bottle sample. Collect shrimp in Rosette sampler. Buckets 5, 6, 7. Collect shrimp trap. Count more than twenty shrimp in trap since we set it out. Move down slope from 080 on N. side of vent field. 985^m Fill rosette sample buckets 2, 3, 4, & 8 with bacteria from vents. Move upslope to shrimp zone. Ascend. Trip two Niskin bottles. Drop asc. Equipment Deficiencies: Wts. Make a normal recovery. Shark sighted during recovery.

Pilot T. Kerby Date 9/8/93
 Ops. Mgr T. Kerby Date 9/8/93