

PISCES V DIVE REPORT

Pilot T. Kerby Wt. _____ Dive Number PV. 240
 Observer C. Mayer Wt. _____ Date Sept. 3, 1993
 Observer Title/Affil. U of H

 Observer J. Christian Wt. _____
 Observer Title/Affil. U of H Time of Dive 0820
 Time of Surface 1424
 Dive Location Loihi, Pele's vents Time Submerged 6:04
 Lat. 18°54.47' N Long. 155°15.58' W Time Thru Last Dive 1341:15
 Purpose: Research Training Demo Total Time to Dive 1347:19
 Other _____ Dive Depth 1025^m
 Special Equip.: Water Depth 1025^m
 Camera (type) Sony, Panasonic, Photovision Water Temp. _____
 Manipulator Hyco-Schilling-Titan II Visibility _____
 Other La Bomba sampler, Niskin, Rotary Sampler ABT # at Neutral _____
 Support Vessel R/V Kila ^{temp. prob.} ^{shrimp trap.} Captain R. Barnes

Dive Results/Remarks: Dive for samples from Pele's Vents. Seas Calm.
Release shot at 1025m. Moving S.W. upslope. 0938 At Pele's vents.
Deploy La Bomba sampler in a large venting crack down slope of pressure sensor
site. Trigger Niskin bottle and 3 butterfly samplers. Use rosette sampler
to suck bacterial mat material from vent into rosette buckets. Take
seven samples from this vent site. Move upslope to pressure sensor area.
Deploy temp. sensors near pressure sensor. Move to the N. Recover
two slide sticks. Move to N. to OBO area. Deploy temp sensor near OBO
site. Find shrimp to be more prolific near pressure sensor site on the south
end of the vent field. Deploy last temp. sensor at first sample site down
slope from the pressure sensor. Exterior lights go out. Jettison ascent wts.
Leave the bottom from 980m. Make a normal recovery
 Equipment Deficiencies: Water in junction box causes short across
barrier strip. 500^w Lt. and 250^w lights go out. Jettison ascent wts. and leave the
bottom after all mission objectives have been completed.

Pilot T. Kerby Date 9/4/93
 Ops. Mgr JCR Date 9/4/93