

PISCES V DIVE REPORT

Pilot T. Kerby Wt. \_\_\_\_\_ Dive Number P5-198  
 Observer A. Melahoff Wt. \_\_\_\_\_ Date Oct. 22 1991  
 Observer Title/Affil. UafH  
 \_\_\_\_\_  
 Observer Todd Berggren Wt. \_\_\_\_\_  
 Observer Title/Affil. NOAA Time of Dive 0815  
 \_\_\_\_\_ Time of Surface 1635  
 Dive Location LOIHI Time Submerged 8:20  
 Lat. 18°54.49'N Long. 155° 15.53'W Time Thru Last Dive 1073:38  
 Purpose: Research Training Demo Total Time to Dive 1081:58  
 Other \_\_\_\_\_ Dive Depth 1260<sup>m</sup> 4133'  
 Special Equip.: Water Depth 1260<sup>m</sup>  
 Camera (type) \_\_\_\_\_ Water Temp. \_\_\_\_\_  
 Manipulator \_\_\_\_\_ Visibility \_\_\_\_\_  
 Other \_\_\_\_\_ ABT # at Neutral  
 Support Vessel R/V Kila Captain R. Barnes

Dive Results/Remarks: Dive to set pressure sensor and explore  
three main vent field areas. Stop in midwater at 1050<sup>m</sup> and  
power towards Pele's vent area. Move up a steep slope on the  
N.E. side and see many active vents on a sharp ridge.  
Set pressure sensor by old pinger on edge of vent field.  
Motor to deep water and drop down to 1260<sup>m</sup> along wall  
on western side of Loihi to the N.W. of Pele's vents. Move along  
a sheer wall. Pass through an area with thick matt at 1240<sup>m</sup>.  
No hot water activity area is approximately 100' wide. Move up wall. Out  
of area at 1220<sup>m</sup>. Into area of many active chimneys in 1040<sup>m</sup> on N.E.  
side of Pele's vents Peak.

Equipment Deficiencies: Photo sea camera & strobe inoperative.

Pilot T. Kerby Date 10/28/91  
 Ops. Mgr [Signature] Date 10/23/91