

PISCES V DIVE REPORT

Pilot T. Kerby Wt. \_\_\_\_\_ Dive Number 263  
 Observer K. Kelly Wt. \_\_\_\_\_ Date Oct. 19, 1995  
 Observer Title/Affil. HURL

Observer \_\_\_\_\_ Wt. \_\_\_\_\_  
 Observer Title/Affil. \_\_\_\_\_

Dive Location Loihi - Peles Vents Time of Dive 0922  
 Lat. 18°54.47'N Long. 155°15.58'W Time of Surface 1440  
 Time Submerged 5:18

Purpose: Research Training Demo Time Thru Last Dive 1492:42  
 Total Time to Dive 1498:00

Other Test dives to recover Bottom Pressure Recorder Dive Depth 1040<sup>m</sup>

Special Equip.: Water Depth 1040<sup>m</sup> 3411 ft.

Camera (type) Sony/Panasonic - VDO Water Temp. \_\_\_\_\_

Manipulator Schilling - HYCO Visibility \_\_\_\_\_

Other \_\_\_\_\_ ABT # at Neutral \_\_\_\_\_

Support Vessel R/V Kila Captain Ross Barnes

Dive Results/Remarks: Seas rough. Launch to the N.E. of Peles Vents. North Westerly current. Land on a steep rocky slope at 1025<sup>m</sup>. Surface tracking good. Get a bearing of 160° to Peles Vents. Land close to the Cyana xPDR for the long baseline system. Moving up rugged terrain to the S.E. come to dropoffs and must power in midwater to the next slope. Much particulate matter in the water from the vent fields. 1140 Land at the Peles Vents area at Bottom Pressure recorder #2. 3 thermisters around BPR#2 but no place to attach them to the recorder. Problems with schilling arm start up. Get Titan operational and clear sediment off of thermister and BPR. Lift off survey area and locate thermisters. Pick up thermister #9 and place at BPR#1 which has rails to connect thermisters to. Schilling arm will not start. Move back to BPR#2. Get schilling to operate and connect main lift line and backup line to BPR lift ring. 1222 Leave the bottom from Equipment Deficiencies: 970<sup>m</sup>, 1345 On the surface. Seas rough  
Small boat on site before we reach the surface. Recovery line taken to BPR. Backup line connected. Release BPR and move out of area so Kila can make approach to small boat and recover BPR. 1430 Pieces on LRT. 1440 Hatch open.

Equipment Deficiencies: Titan Arm intermittent. Panasonic camera inoperative on the bottom. Panasonic Pen & Tilt inoperative.

Pilot Terry Kerby Date 10/19/95  
 Ops. Mgr DK Date 10/19/95