

PISCES V DIVE REPORT

Pilot T. Kerby Wt. \_\_\_\_\_  
 Observer CD-Pilot C. Holloway Wt. \_\_\_\_\_  
 Observer Title/Affil. HURL sub ops

Dive # PV-338  
 Date Sept. 11, 1997

Observer D. Clague Wt. \_\_\_\_\_  
 Observer Title/Affil. MBRI

Time of Dive 0806  
 Time of Surface 1825  
 Time Submerged 10:19  
 Time Thru Last Dive 2065:46  
 Total Time to Dive 2076:05  
 Dive Depth 1979m  
 Water Depth 1979m  
 Water Temp. 2.1°C @ 1940m  
 Visibility \_\_\_\_\_  
 ABT # at Neutral \_\_\_\_\_  
 Captain B. Hayes

Dive Location Loihi, South Rift.  
 Lat. 18° 51.45' N Long. 155° 14.45' W  
 Purpose:  Research  Training  Demo

Other: \_\_\_\_\_  
 Special Equipment:  
 Camera (type) Sony, Panasonic, Photosea.  
 Manipulator Titan, Hyco.  
 Other \_\_\_\_\_  
 Support Vessel R/V Kaimikai-O-Kanaboa

Dive Results/Remarks: Dive to survey south Rift. Land on a rugged basalt bottom of intact pillow lava flows at 1940m. Strong southerly current. Move upslope to the N.W. Move around steep pillow flow stacks. Sample from pillow stack (rock) Move along wall which turns out to be a large cravass. Move up and out. Move along fractures to the N.W. Collecting rock and sediment samples. Many corals and sponges on clean un-sedimented pillow flows. Several transits up and down pillow stacks on cones along fault fracture. Discover a hydrothermal vent system in an old pillow flow at 1714m. Take two lupton samples. Equipment Deficiencies: and one major. Take 4 rosette bucket samples. collect rocks. Deploy marker #17. Move up pillow cone to survey extent of vents. Come to top of cone and vents at 1697m. Leave the bottom. Sub dropped on recovery. Discontinue dives.

Pilot T. Kerby  
 Ops. Mgr. SK

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