

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. \_\_\_\_\_ Dive # PV-310  
 Observer Frank Senses Wt. \_\_\_\_\_ Date Oct. 2, 1996  
 Observer Title/Affil. UofH  
 Observer A. Wright - Co-Pilot Wt. \_\_\_\_\_  
 Observer Title/Affil. HURL  
 Dive Location Loihi  
 Lat. 18° 54.58' N Long. 155° 15.33' W  
 Purpose: Research Training Demo  
 Other: \_\_\_\_\_  
 Special Equipment:  
 Camera (type) Sony (digital) Panasonic, Photosa  
 Manipulator HYCO, Schilling Titen  
 Other 3 Majors, 1 Lupton, Niskin, LeBomb, Sediment Scoops, Rosette  
 Support Vessel R/V Kaimikai - O-Kenaloa rucker Captain Bob Hayes  
 Time of Dive 0820  
 Time of Surface 1647  
 Time Submerged 8:27  
 Time Thru Last Dive 1837:21  
 Total Time to Dive 1845:48  
 Dive Depth 1210  
 Water Depth 1210  
 Water Temp. \_\_\_\_\_  
 Visibility \_\_\_\_\_  
 ABT # at Neutral \_\_\_\_\_

Dive Results/Remarks: Two pilot dives continued. Allen takes sub down to "Sand Channel". Land on a steep talus slope on the south side of the channel at 1210m. Move to the N.W. across the channel and upslope to a depth of 1175m. Contour to the S.W. at 1175m along a steep talus slope to the "Sand Box". Pilot Switch. Take sub along a steep slope to the S.S.E. to a ridge. Move to the SSW after ridge to avoid a large block. Come close to block, scrape tail. Maneuver around block at a depth of 1173m to avoid large loose boulder on top of block, and overhang at 1177m under block. Move west. Relocate main wall. Move S.S.W. to vent site #5 at 1176m. Take Niskin bottle sample. Place MTR in vent. Take Tr. water sample. Move to the SW to a venting area that marks the western boundary of the vent field. Old decaying pillow form with a rubble channel. Vigorous venting and abundant white bacterial mat. Ambient temp. up to 5.0 sitting in vent water. Must power with collector basket against slope to keep from sliding down slope. Take samples, set out marker #2. Move upslope. Pilot switch. Move up to a depth of 1068m Nontronit covered bottom. Take sediment scoop. Leave bottom from 1068m.

Pilot Terry Kerby Date 10/6/96  
 Ops. Mgr. AKL Date 10/6/96