

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. _____
 Observer Fred Duennebier Wt. _____
 Observer Title/Affil. UofH

Dive # PV-308
 Date Sept. 29, 1996

Observer Allen Wright - Co. Pilot Wt. _____
 Observer Title/Affil. HURL

Time of Dive 0820
 Time of Surface 1700
 Time Submerged 8:20
 Time Thru Last Dive 1820:26
 Total Time to Dive 1828:46
 Dive Depth 1516^m
 Water Depth 1516^m
 Water Temp. 2.2°C @ 1516^m
 Visibility _____
 ABT # at Neutral _____
 Captain Bob Hayes

Dive Location Loihi - N. Rift.

Lat. 18° 57.18' N Long. 155° 15.16' W

Purpose: Research Training Demo

Other: _____

Special Equipment:

Camera (type) Photosez - Sony (Digital) Panasonic

Manipulator Titan - Ityco

Other _____

Support Vessel R/V Kaimikai - O - Kamaloa

Dive Results/Remarks: Land on a gravel covered bottom in 1516^m. Bottom is sloping to the south with outcrops of intact pillow formation and corals. See large bamboo corals (Lepidisis), and branched bamboo. Move to the south East to transit along North East flank to a position that bisects a single line of a noise anomaly that may indicate an active lava flow. Rugged terrain of high pillow lava formations make a slow transit. Ascend vertical walls of intact pillow lava formations to a pinnacle top, then proceed out into mid water to the S. E. until the bottom is in sight. Gradually making progress to the S. E. Good visibility and many corals. Corals are growing on loose blocks on talus slopes. Come to Equipment Deficiencies: an area of poor visibility at 1291^m. Moving S.W. up slope to the axis of the N. Rift. Move N. down slope on the axis of the rift for about 600^m searching for vent activity. Old pillow flows and talus with coral growth. Move south along rift to a crater at 18° 56.48' N, 155° 15.4' W. Collect rock and sediment samples from bottom of pit. Leave the bottom from 1215^m from pit.

Pilot T. Kerby

Date 10/6/96

Ops. Mgr. [Signature]

Date 10/6/96