

PISCES V DIVE REPORT

Pilot T. Kerby Wt. _____
 Observer David Radko Wt. _____
 Observer Title/Affil. University of Miami

Dive # PV-332
 Date Sept. 2, 1997

Observer C. Holloway CO-Pilot Wt. _____
 Observer Title/Affil. HURL Sub Ops

Time of Dive 0808
 Time of Surface 1755
 Time Submerged 9:47
 Time Thru Last Dive 2018:38
 Total Time to Dive 2028:25
 Dive Depth 1322m
 Water Depth 1322m
 Water Temp. 4.0°C @ 1307m
 Visibility _____
 ABT # at Neutral _____
 Captain Bob Hayes

Dive Location Loihi - Peles Pit
 Lat. 18°54.3' N Long. 155°15.7' W
 Purpose: Research Training Demo

Other: _____
 Special Equipment:
 Camera (type) Sony (VDO) Panasonic (VDO) Photosharp
 Manipulator Titan, HYCO
 Other Gamma Detector, Lupton Sampler, Majors, Nisk bottles.
 Support Vessel R/V Keimihai - O-Kanaloa.

Dive Results/Remarks: Land on a steep talus slope in 1126m. Move upslope to the East. Locate scarp at 1112m. Move N along scarp to locate marker #18. Scarp rises above 1104m (depth of #18) Turn back south. Scarp drops off. Move N. again. Scarp rises to 1100m then drops back down to 1104m. Locate Marker #18. 1005 Begin descent into Pit. 1044 1307m on bottom on E. slope of pit. Move N. Locate Marker #42 in 1310m. Sample vents at #42. Problems with titan arm. Conduct sampling with HYCO arm. Temp. of 178.6°C in #42 vent. Conduct a survey of the vent site after testing gamma detector and completing sampling. Leave the bottom from 1322m.

Equipment Deficiencies: Titan arm problems.

Pilot Terry Kerby
 Ops. Mgr. [Signature]

Date 9/6/97
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