

PISCES V DIVE REPORT

Pilot T. Kerby Wt. _____
 Observer T. Gatteson CO-Pilot Wt. _____
 Observer Title/Affil. HURL

Dive # PV-328
 Date August 28, 1997

Observer Alex Malshoff Wt. _____
 Observer Title/Affil. HURL

Time of Dive 0814
 Time of Surface 1705
 Time Submerged 8:51
 Time Thru Last Dive 1981:12
 Total Time to Dive 1990:03

Dive Location Loihi, Peles Pit
 Lat. 18° 54.4' N Long. 155° 15.7' W
 Purpose: Research Training Demo

Dive Depth 1309^m
 Water Depth 1309^m
 Water Temp. 4.7°C @ 1309^m in V. field

Other: _____
 Special Equipment:

Visibility _____
 ABT # at Neutral _____
 Captain Bob Hayes

Camera (type) Sony-Panasonic-Photosea
 Manipulator Titan, HYCO
 Other Besnet-Niskin Water Samplers
 Support Vessel R/V Kaimikai - O. Kenaka

Dive Results/Remarks: Dive to survey Peles Pit. Land on the west slope at 1149^m on a steep talus slope. Move upslope to the steep scarp that defines the west edge of Peles Pit. Move N. along the scarp to 1105^m. Deploy Marker #18 at edge of scarp. Begin descent into pit to the East from #18. Land on a steep silt and rubble slope in 1265^m. Diffused venting on slope. Southerly current. Set into a vertical wall at 1300^m. Move N. into a southerly current to an area with many active vents. Notice an abundance of vent shrimp. Sample vent. Temp. probe in vent. 16.1°C. Strong southerly current makes this site difficult to sample due to the nature of the terrain. Move upslope to survey area.

Equipment Deficiencies: Discover vent site that was first discovered on dive 304 at 1297^m. Venting is less forcefull. Move up from 1297^m to the NNE to survey well. Discover large landslide debris on relatively low angle terrain then come into clean vertical walls up to 1175^m. Release weights and surface from 1175^m.

Pilot Terry Kerby
 Ops. Mgr. [Signature]

Date 9/4/97
 Date 9/4/97