

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. _____
 Observer Joe Resing Wt. _____
 Observer Title/Affil. UofH

Dive # PV-287
 Date Aug. 9, 1996

Observer Jennifer Reynolds Wt. _____
 Observer Title/Affil. Hawaii Volcano Observatory

Time of Dive 0833
 Time of Surface 1604
 Time Submerged 8:00
 Time Thru Last Dive 1648:32
 Total Time to Dive 1656:32
 Dive Depth 1219m - 4000'
 Water Depth 1219m
 Water Temp. 3.0 @ 1200m
 Visibility Lowest vis. 2m
 ABT # at Neutral _____
 Captain R. Hayes

Dive Location Loihi
 Lat. 18° 55.08'N Long. 155° 15.85'W*
 Purpose: Research Training Demo
 Other: * Pisces Peak
 Special Equipment:
 Camera (type) Panasonic, Sony, Photossea
 Manipulator Hyco-Titan
 Other Sediment scoops -
 Support Vessel R/V Kaimikai-O-Kenaloa

Dive Results/Remarks: Return to Pisces Peak as a starting point to work N. around the West Pit Crater with a goal to search for hot water activity on the East side of the East Pit Crater. Strong S.W. current sets us to the west of the Peak. Land on the West slope after powering to the N.E. in midwater. Land on a rock bottom in 1021m. Move upslope to Pisces Peak at 956m. Move N. along edge of scarp that drops into West Pit crater. Collect a red rock at 1046m. Start to encounter low visibility. Collect a sediment sample at 1063m. Trying to get a sample of the material that looks like white sand. There is a light dusting of this material, and much in suspension in the water. Visibility drops to 2 m. Move along edge of scarp. Get into an area where the white sandy
 Equipment Deficiencies: Material covers 70% of the bottom, but save the remaining sediment scoop for a possible vent sample. Slow going along crater. We have been moving N.E. Decide to rise above silt and power in midwater across west and East Pit craters to E side of seamount.

Pilot T. Kerby
 Ops. Mgr. JK

Date 8/10/96
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