

PISCES V DIVE REPORT

Pilot T. Kerby Wt. _____ Dive # PV-340
 Observer CO-Pilot C. Holloway Wt. _____ Date Sept. 19, 1997
 Observer Title/Affil. HURL Sub OPS.

Observer B. Midson Wt. _____
 Observer Title/Affil. HURL

Dive Location Loihi Peles Pit.
 Lat. 18° 54.42' N Long. 155° 15.63' W ^{marker #18}
 Purpose: Research Training Demo
 Other: _____
 Special Equipment: _____
 Camera (type) Sony (digital) Panasonic (VHS) Photossea (still)
 Manipulator HYCO - Titan
 Other Gas tight samplers, Majors, Sed. Scoops.
 Support Vessel R/V Kaimikai - O-Kanaloa

Time of Dive 0808
 Time of Surface 1635
 Time Submerged 8:27
 Time Thru Last Dive 2077:53
 Total Time to Dive 2086:40
 Dive Depth 1327m
 Water Depth 1327m
 Water Temp. 4.0°C @ 1309m
 Visibility _____
 ABT # at Neutral _____
 Captain Bob Hayes

Dive Results/Remarks: Current sets us to the SE near the bottom. Land in the inside of the pit. Move upslope to the West to the edge of the scarp. Move N to Marker #18. 0937 1104m begin descent into the pit to the East. Tending ENE, brings the sub into pinnacle features on the NE side of the pit. 1000 Coming down on large landslide debris on a steep slope. Move S.E. Encounter pinnacle features of welded talus at 1268m. Move down slope. Locate marker #33. Move to the west to the center of the pit. sediment scoop #10. Move upslope in search of a site for the osmo sampler. Deploy osmo sampler just downslope from Jet Vents

Equipment Deficiencies: Vent temp, 194°C. Deploy marker #11. Move upslope to Jet Vents. Collect samples. Move to marker #20 site. Collect samples. Move to marker #42 site. Collect samples and ~~deploy~~ recover Kedko's gamma detector. Leave the bottom from 1324m after moving downslope out of vent field to release weights.

Pilot Terry Kerby Date 9/22/97
 Ops. Mgr. VBK Date 9/22/97