

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. \_\_\_\_\_  
 Observer Chuck Holloway (PLT) Wt. \_\_\_\_\_  
 Observer Title/Affil. HURL Subeps.

Dive # PR-400  
 Date Oct. 15, 1998

Observer Alan Parsa Wt. \_\_\_\_\_  
 Observer Title/Affil. UofH.

Time of Dive 0842

Dive Location Loihi, Peles Pit  
 Lat. 18° 54.2' N Long. 155° 15.7' W

Time of Surface 1700

Purpose: Research Training Demo  
 Other: \_\_\_\_\_

Time Submerged 8:18

Special Equipment:

Time Thru Last Dive 2533:34

Camera (type) Sony, Panasonic, Photoses

Total Time to Dive 2541:52

Manipulator Titan, Hyco

Dive Depth 1328 m

Other \_\_\_\_\_

Water Depth 1328 m

Support Vessel R/V Kaimikai-O-Kenaloa

Water Temp. 3.3°C @ 1109 m

Visibility \_\_\_\_\_

ABT # at Neutral \_\_\_\_\_

Captain Bob Hayes

Dive Results/Remarks: CTD instrument deployment in Pele's Pit at the Ikaika vent site. 0943 1109m land on the West side's steep talus slope. Move to the South East. 0957 1104m at marker #18. Begin descent into the pit. 1023 1328m at the bottom of the pit. Move upslope to the East. 1040 1305m at marker #10. Vent temperature 164°C. Locate a suitable low temperature site of 48°C near hot vent. Deploy CTD. Take a major sampler, take a second major. Move upslope to #15. Explore the area to the South East of #15. Survey large overhang boulder and supporting rock walls. Move back down to #15 vent above Upper Jet Vent site. Take a major sampler. 1346 Begin moving upslope towards Lohiau vents from top of Jet Vent Rock. 1402 1272m Discover venting and bacterial mat on a steep talus slope. Temp. 115°C. Move up the slope, then up a vertical wall to 1255m. Discover a slope with  
 Equipment Deficiencies: heavy venting and thick bacterial mat. Vent temp. 144°C. Move up a vertical wall to the North. after deploying marker #7, the 1255m vent site. Move up to 1175m to the Lohiau vent site. Still signs of venting at the #2 site. 45°C. Took major sampler.

Pilot Terry Kerby  
 Ops. Mgr. VRK

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