

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. \_\_\_\_\_  
 Observer Chuck Holloway (PIT) Wt. \_\_\_\_\_  
 Observer Title/Affil. HURL Sub ops.

Dive # PV-398  
 Date October 12, 1998

Observer Nathan Becker Wt. \_\_\_\_\_  
 Observer Title/Affil. Uq/H

Time of Dive 0811  
 Time of Surface 1725

Dive Location Loihi Peles Pit.  
 Lat. 18° 54.3' N Long. 155° 15.65 W

Time Submerged 9:14  
 Time Thru Last Dive 2515:22

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

Total Time to Dive 2524:36  
 Dive Depth 1328m

Special Equipment:  
 Camera (type) Photosea, Panasonic, Sony  
 Manipulator Titen-Hyco  
 Other \_\_\_\_\_

Water Depth 1328m  
 Water Temp. 3.4°C @ 1328m

Support Vessel R/V Kaimikai-O-Kenaloa

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

Captain Bob Hayes

Dive Results/Remarks: Dive to sample vent site and recover bio-tower.  
0913 On the bottom on a steep talus slope in 1073m. 0924  
@ marker #18. 0926 1104m Begin descent into pit. 0953 1328m @  
bottom of pit. 0958 Begin searching for vent site. 1018 @  
marker #20 in 1310m. 1032 Temp. at osmo is 51°C. Rearrange  
osmo. 1058 Move to #11. Temp is 163°C. 1302m. Rearrange osmo.  
Main body has fallen over and moved sample inlet position.  
1132 1302m. Scoop samples on vent seam to the E. of  
#11 marker. 1150 Move upslope to lower Jet Vent site. 166°C.  
1297m @ upper jet Vent site. Take a major sampler. 1227 1296m  
moved up to #15. Temp @ #15 166°C. Take major samplers.  
collect bacteria in resette buckets. Move to the SE to explore  
terrain discovered on last dive. Discover vents on E. side of  
Giant Chock stone. Vent temp. 113°C. Take mat sample. Move  
 Equipment Deficiencies: to top of chock stone. 11m high. Move down  
wall. End up at Hot Vent Site (#10). Recover Bio-Tower.  
Make a normal recovery.

Pilot Terry Kerby  
 Ops. Mgr. IKK

Date 10/12/98

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