

PISCES V DIVE REPORT

Pilot T. Kerby Wt. \_\_\_\_\_  
 Observer Alex Metshoff Wt. \_\_\_\_\_  
 Observer Title/Affil. HURL

Dive # 422  
 Date Sept. 11, 1999

Observer Kiminori Shitishima  
 Observer Title/Affil. JAMSTEC

Time of Dive 0812  
 Time of Surface 1817  
 Time Submerged 10:05  
 Time Thru Last Dive 2682:22  
 Total Time to Dive 2692:27  
 Dive Depth 2028m  
 Water Depth 2028m  
 Water Temp. 2.1°C @ 2028m  
 Visibility \_\_\_\_\_  
 ABT # at Neutral \_\_\_\_\_  
 Captain Bob Hayes

Dive Location Loihi South Rift NAHA vents  
 Lat. 18°53.46'N Long. 155°15.28'W  
 Purpose:  Research  Training  Demo  
 Other: \_\_\_\_\_  
 Special Equipment:  
 Camera (type) Sony, Panasonic, Photosea  
 Manipulator Titan, Hyco  
 Other \_\_\_\_\_  
 Support Vessel R/V Kaimikai-O-Kenaloa

Dive Results/Remarks: Dive to recover osmo sampler from NAHA vents and explore possible vent activity on South Rift. 0927 On the bottom in 1337m. Search for NAHA vents. 1000 At marker #1 in NAHA vents. Depth 1325m. Collect mat in rotary sampler. Vent temp. 7°C. No visual signs of venting. Recover OSMO sampler. Collect sediment scoop. 1051 Begin moving south to 2000m. 1341 On the bottom in 2023m. Move downslope. Collect rocks 2023. 1400 Begin moving upslope. 1442 Contour around slope at 1830m searching for signs of hydrothermal vents. There are no signs of hydrothermal venting. Continue moving upslope to search for marker #17 at 1714m. This was an active hydrothermal vent site discovered in 1996. 1525 1700m contouring around slope to the West to search for vent sites. Running against a strong current. 1630 1701m. Sight marker #17 briefly down a steep slope. Unable to get down due to strong current. 1630 Leave the bottom from 1667m. Make a normal recovery.

Pilot T. Kerby  
 Ops. Mgr. JRK

Date 9/19/99  
 Date 9/19/99