

PISCES V DIVE REPORT

Pilot T. Kerby Wt. _____ Dive # 421
 Observer T. Catterson Wt. _____ Date Sept. 10, 1999
 Observer Title/Affil. HURL, Pilot in training

Observer Alex Malahoff Wt. _____
 Observer Title/Affil. HURL

Dive Location Loihi, Pele's Pit Time of Dive 0826
 Lat. 18° 54.43' N Long. 155° 15.37' W Time of Surface 1655
 Purpose: Research Training Demo Time Submerged 8:29
 Other: _____ Time Thru Last Dive 2673:53
 Total Time to Dive 2682:22

Special Equipment:
 Camera (type) Sony, Panasonic, Photosea Dive Depth 1324m
 Manipulator Hyco, Titan Water Depth 1324m
 Other Gas Samplers, scoops, Niskin Bottle Water Temp. 3.9°C @ 1324
 Support Vessel R/V Kaimikāi-O-Kanaloa Visibility _____
 ABT # at Neutral _____
 Captain Bob Hayes

Dive Results/Remarks: Dive into Pele's Pit to take samples and
recover instruments. Attempting to descend directly into
the pit. Some tracking problems. The sub comes
down the North Well and the tail hits twice.

We end up in an area of large boulders. Tym
& I switch positions, and we move to the ESE.
1005 1308m @ #19. Move up wall to #27. Take Lupton #2
and Black handled major. Deploy two osmo samplers.
Vent temp. is 139°C. Suck spooage. Buckets #1, 2, & 3.

1137 Move down to jet vents at 1296m. Collect rocks
and take sediment scoops. Take Silver handled major and
Lupton #13. Move up to marker #29. Temp. 80°C. Take
sediment scoop #8. Move down to marker #20 @ 1311m
Recover osmo sampler. Move up to ridge above

Equipment Deficiencies: Marker #43. Deploy marker #13 at an
active vent site. Temp. 102°C. Take sediment scoop #5
Move to the South East. Search for Hilo tower. Discover
more vent fields.

Pilot T. Kerby Date 9/13/99
 Ops. Mgr. RK Date 9/13/99