

PISCES V DIVE REPORT

Pilot: Terry Kerby Dive #: PV-609 Date: March 30, 2005
 Observer 1: Max Cremer - Pilot
 Affiliation: Hurl Sub ops. Dive Location: Vailulu'u Volcano, Samoa
 Observer 2: Hubert Staudigel Latitude: 14° 12.478 S
 Affiliation: SIO Longitude: 169° 03.746 W
 Purpose: Research Training Test
 Other: _____ Time of Dive: 0958 - 2058 GMT
 Special Equipment: _____ Time of Surface: 1658
 Cameras: Sony-ROS. DSPL still cam. Time Submerged: 7:00
 Manipulators: Titan-Hyco Time Thru Last Dive: 4023:31
 Samplers/Sensors: _____ Total Time to Dive: 4030:31
 Support Vessel: R/V Kaimikai-O-Kenaloa Dive Depth: 919m
 Captain: Ross Barnes Water Depth: 919m
 Water Temperature: 4.9°
 Visibility: 2m in the bottom of the pit.

Dive Results/Remarks: Piscus V exploration dive of Vailulu'u Volcano. Land on the north slope outside the volcano in 730m. Steep unstable terrain and poor visibility. Steep loose talus and volcanic sand. Move to the west to locate the NW breach in the crater rim. 1234 Still maneuvering around to locate the breach. 770m. 1353 Locate the right breach at 752m. Titan will not come on. Use the Hyco arm to deploy the current meter. Deploy marker #1. 1444 Move to the south east from marker #1 and descend into the pit. Drop down a vertical wall to the SE. Descend into very poor visibility. 1508 919m at the base of the new dome that formed inside the crater. Visibility is about 2m. 1510 Begin moving up the NW slope of the dome. Visibility clears slightly. Steep pillow formations covered with a thick coating of bacteria. No visible

Equipment Deficiencies: schlimming from hydrothermal vent activity. Discover that dozens of little epls come out of the rock when we touch down. 1605 Leave the bottom from the summit of the dome at 705m.

Pilot's Signature: Terry Kerby Date: April 3, 2005
 Operations Director: Terry Kerby Date: April 3, 2005