**PISCES IV DIVE REPORT**

Pilot: Terry Kerby Dive #: PIV-140 Date: June 24, 2005

Observer 1: Max Cremer

Affiliation: HURL Sub ops

Observer 2: Mark Schmidt

Affiliation: U of Kiel

Purpose: (Research) Training Test

Other:

Special Equipment:

Cameras: Sony-1205

Manipulators: Orion, HYCO

Samplers/Sensors: Bio box, Rock box water samplers, Sediment scoops

Support Vessel: R/V Kaimikai-O-Kanaloa

Captain: Ross Barnes

Dive Location: Volcano V-1.

Latitude: 20° 09.360's

Longitude: 175° 44.562' W

Time of Dive: 0912

Time of Surface: 1012

Time Submerged: 1:00

Time Thru Last Dive: 1018:55

Total Time to Dive: 1019:55

Dive Depth: 187m

Water Depth: 187m

Water Temperature:

Visibility:

Dive Results/Remarks: Pisces IV dive to return to area of mussels and active venting. Descend to an area to east of the shallow pit and the mussel bed. 0932 187m Land on a slope of sand and scoria with white bacteria deposits. Hydraulics fail when tilting thrusters to vertical. Open hyd connector panel and change fuse to get access to hydraulics control that will allow us to drop our ascent weights. 0947 Abort dive and leave the bottom. Will surface, recover and repair tilt control and try again. Make a normal recovery.

Equipment Deficiencies: Lose hydraulics control

Pilot's Signature: Terry Kerby Date: 7/14/05

Operations Director: [illegible] Date: 7/14/05