

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. _____
 Observer Co-Pilot T. Latterson Wt. _____
 Observer Title/Affil. HURL Sub OPS.

Dive # RV-345
 Date Jan. 20, 1998
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Observer Dave Harris Wt. _____
 Observer Title/Affil. UofH Engineering
Support Facility

Time of Dive 0810
 Time of Surface 1812
 Time Submerged 10:02
 Time Thru Last Dive 2113:49
 Total Time to Dive 2123:51
 Dive Depth 1202^m
 Water Depth 1202^m
 Water Temp. 3.8 @ 1202^m
 Visibility _____
 ABT # at Neutral _____
 Captain Bob Hayes

Dive Location Loihi, East Summit
 Lat. 18° 54.716' N Long. 155° 14.651' W

Purpose: Research Training Demo

Other: Sample baskets with test connector - Cutter

Special Equipment:

Camera (type) Panasonic, Sony - Photosea

Manipulator Titan, NYCO

Other _____

Support Vessel R/V Kaimikai-O-Kenaloa

Dive Results/Remarks: Dive to continue connector port tests on HUGO and retrieve seismometer, 0917 Land on a silt/clay bottom in 1201^m to the NE. of HUGO. Land amongst numerous old chimneys in the "1000 Fingers Field" area. Discover Hydrothermal venting. Very weak flow but present in several areas. Detect a target 50^m to SW. Pinger signal bearing 220^om. Move to S.W. Locate HUGO at 0945 Put 5' long measuring rod in silt by HUGO's port bow to probe for solid bottom. Measuring rod goes in to hilt without any resistance. Position seawater return plate. Sinks in mud to top plate. 1022 Hydrophone into #2. Test connector in #1. 1043 Move from port side of HUGO to stern to recover seismometer pressure case, sensor, and connector with 50' of Equipment Deficiencies: cable. All components are under mud inside HUGO frame. 1335 Free pressure case from housing. 1500 Pressure case in box. 1605 Seismometer sensor in box. 1522 Connector in basket. Pisces becomes very sluggish from excess mud in skirts and belly pan. 1642 Recover hydrophone. Dummy plug in #2. 1654 Leave the bottom. Very heavy. Must ascend with thrusters after releasing ascent weights.

Pilot Terry Kerby

Date 1/23/98

Ops. Mgr. TRK

Date 1/23/98