

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. _____
 Observer Tym Catterson (PIT) Wt. _____
 Observer Title/Affil. HURL sub ops.

Dive # PV-409
 Date Oct. 27, 1998

Observer John Smith Wt. _____
 Observer Title/Affil. HURL

Time of Dive 0809
 Time of Surface 1604
 Time Submerged 7:55
 Time Thru Last Dive 2608:33
 Total Time to Dive 2616:28
 Dive Depth 1312^m
 Water Depth 1312^m
 Water Temp. 3.7°C @ 1304^m
 Visibility _____
 ABT # at Neutral _____
 Captain Bob Hayes

Dive Location Loihi, West Pit
 Lat. _____ Long. _____
 Purpose: Research Training Demo
 Other: _____
 Special Equipment:
 Camera (type) Digital, Video, still
 Manipulator Titan, Hyco
 Other _____
 Support Vessel R/V Kaimikai-O-Kemaloa

Dive Results/Remarks: Dive to deploy a new pressure sensor on Pisces Peak, explore the West Pit, and recover the old pressure sensor. 0916 Land a steep talus slope in 1054^m. Move upslope to the East. 0930 At scarp on the Western edge of the West Pit. 977^m. Move up along the scarp to the South. 0943 On top of Pisces Peak. Deploy new bottom pressure recorder. 0954 Move East into West Pit. 1117 1068^m on level pillow formations. Go over edge into West Pit and begin contours to the North at 1068^m. Large loose columnar blocks along a vertical wall. 1107 1068^m. Locate bacterial mat on NW end of crater. Continue around crater. 1146 1181^m Locate thick bacterial mat on a talus slope on the East side of the crater. 1159 1201^m Collect a rock in place on a basal flow feature. 1211 1225^m Discover thick fresh looking bacterial mat. No slurring. Temp. 7.6°C with probe in mat. 1253 1312^m at bottom of pit. Small area of fine silt and mud. Move upslope to the West to Pisces Peak. Recover Old BPR. 1500 Leave the bottom from 956^m.

Pilot Terry Kerby
 Ops. Mgr. JM

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