

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. _____
 Observer Max Gremer - PIT Wt. _____
 Observer Title/Affil. HURL Sub ops.

Dive # PV-467
 Date Oct. 11, 2001

Observer Todd Gregory Wt. _____
 Observer Title/Affil. MARBEC

Time of Dive 0817
 Time of Surface 16:84
 Time Submerged 8:17
 Time Thru Last Dive 2972:22
 Total Time to Dive 2980:39
 Dive Depth 1328m
 Water Depth 1328m
 Water Temp. 3.8°C
 Visibility _____
 ABT # at Neutral _____
 Captain Bob Hayes

Dive Location Loihi - Peles Pit
 Lat. 18°54.41N Long. 155°15.49
 Purpose: Research Training Demo
 Other: _____
 Special Equipment:
 Camera (type) Sony digital, Panasonic, ROS
 Manipulator Hyco, Titer
 Other _____
 Support Vessel R/V Kaimikai-O-Kanaloa

Dive Results/Remarks: Dive to collect water and bacterial matt samples out of the hydrothermal vents in Pele's Pit. 0944 1130m On the bottom on the west slope of Pele's Pit. Move upslope to 1104m and contour to the edge of the pit at marker #18. 1025 Begin descent into the pit. 1107 1329m on bottom of Pit. Move upslope to the EMB. 1137 At #47 marker. Take sonar images. Deploy Staudigel charges at #42 Nos. 4 & 2. 1220 Move up to Upper Jet Vent Site. 1296m 75°C temp. Take marbec sample. Resette buckets # 7, 8, 1, 2, 3. 1300 Move to top of new boulder at 1287m. 1310 Moved up to marker #22. Recover osmo sampler. Blue "A": 1391 Move NW to 49er Well. No venting, no marker. 1330 Move up vertical wall above 49er vents to 1196m. Sample vents on vertical wall. 29°C. Niskin. Resette #4, 5, 6. Descend wall to Jet Vent Rock. Staudigel charges #8 & 6 on Jet Vent Rock. Move SE. Ascend a vertical wall with signs of vents. 1504 Locate vents at 1260m on a sharp ridge. Deploy marker #46. Temp 51°C. Collect Rock & sediment scoop. Leave the bottom.

Pilot Terry Kerby
 Ops. Mgr. Terry Kerby

Date Oct. 18, 2001
 Date Oct. 18, 2001