

PISCES V DIVE REPORT

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

Dive # PV-395
 Date Oct. 9, 1998

Observer Rachael Shackelford Wt. _____
 Observer Title/Affil. UofH

Time of Dive 0815
 Time of Surface 1729
 Time Submerged 9:14
 Time Thru Last Dive 2488:20
 Total Time to Dive 2497:34
 Dive Depth 1328m
 Water Depth 1328m
 Water Temp. 3.5°C @ 1328m
 Visibility _____
 ABT # at Neutral _____
 Captain Bob Hayes

Dive Location Loihi, Peles Pit.
 Lat. 18°54.35'N Long. 155°13.75'W
 Purpose: Research Training Demo
 Other: Pilot training
 Special Equipment:
 Camera (type) Photosea, Sony, Panasonic
 Manipulator Hyco-Titan
 Other _____
 Support Vessel R/V Kaimikai-O-Kanaloa

Dive Results/Remarks: Dive to deploy the Bio-Tower sampling device in Peles Pit. 0918 On the bottom in 1129m on a steep talus slope on the West side of the Loihi Summit. Move downslope to the South East to 1104m. Contour to the ESE at 1104m. 0928 Locate marker #18. 0934 Begin descent into Peles Pit from marker #18. 1005 Land in the bottom of the pit in 1328m. 1016 Locate marker #19. Temp. at #19 is 131°C. To marker #42. No venting back to #19. Test vent temperat 1141 Deploy Bio-Tower. The bottom is sloping and the tower is leaning precariously but is still upright. Move around to sample the flow from the lower valve outlet with major sampler. Current starts to develop and the tower falls over. Make several attempts to stand the tower up. The tower will not stand upright in the gradual current. 1302 Leave the tower laying on the bottom and

Equipment Deficiencies: Search for a new site. Locate a more gradually sloping bottom at the Hot Vent site (#10). 1413 Trying to stand the tower upright in the Hot Vent area. 1456 The Bio tower is upright and stable. Move around the area and collect rocks to weight down the bottle shift. Flow is not easily detectable from the lower vent.

Pilot T. Kerby
 Ops. Mgr. TK

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