

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. _____
 Observer Steve Price Wt. _____
 Observer Title/Affil. HURL - PIT

Dive # PV-504
 Date Dec. 5, 2002

Observer Craig Smith Wt. _____
 Observer Title/Affil. University of Hawaii

Time of Dive 0838
 Time of Surface 1716
 Time Submerged 8:38
 Time Thru Last Dive 32 32:15
 Total Time to Dive 3240:53
 Dive Depth 1326 m
 Water Depth 1326 m
 Water Temp. 2.3°C @ 1326
 Visibility _____
 ABT # at Neutral _____
 Captain Ross Bernes

Dive Location Loihi - Pele's Pit
 Lat. 18° 54.5' N Long. 155° 15.75' W
 Purpose: Research Training Demo

Other: _____
 Special Equipment:
 Camera (type) Sony - Ros Color/B&W
 Manipulator Titan, HYCO
 Other _____
 Support Vessel R/V Kaimikai-O-Kenaloa

Dive Results/Remarks: NRL dive to conduct CO₂ experiments in Pele's Pit. 0934 Land on a steep talus slope at 1132m. Move upslope to marker #18. 0956 1104m At marker #18. 1009 Began descent into pit. 1037 1327m on the bottom of the pit. 1049 Move to the N.E. 1103 1310m at marker #40. 1104 Locate trap full of amphipods down slope from marker #40 1137 Recover trap and place in frame. 1205 Move to marker #11. The trap is missing from the #11 site. Search briefly for trap then head for the Boiling Pot site. 1205 Move upslope from Boiling Pot site. Locate strong active venting on a steep talus slope down slope from the marker #48 site at 1273m. Observe effect of vent water on amphipods, then move out of vent water and back down slope to allow the crustaceans a chance to revive, and to wait for the timed camera system to start. Move back to the boiling pot area at 1310m. Camera light comes on. Move back up to vent field at 1304 1313 1279m steep talus slope with venting. Deploy marker #35 at study site in vent field. 12/21 1276m moved to #37. Bait still untouched. Deck to #40. 1500 1310m @ #40 move to #20 site. 20 is gone. Deploy #28. Deploy trap & bait.

Pilot Terry Kerby
 Ops. Mgr. Terry Kerby

Date 12/8/02
 Date 12/8/02