

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. \_\_\_\_\_  
 Observer Chuck Holloway - Co. Pilot Wt. \_\_\_\_\_  
 Observer Title/Affil. HURLV - Pilot

Dive # PV-496  
 Date November 9, 2002

Observer Hubert Staudigel Wt. \_\_\_\_\_  
 Observer Title/Affil. Scorpi Institute of  
 Oceanography

Time of Dive 0810  
 Time of Surface 1700  
 Time Submerged 8:50  
 Time Thru Last Dive 3158:51  
 Total Time to Dive 3167:41  
 Dive Depth 1326<sup>m</sup>  
 Water Depth 1326<sup>m</sup>  
 Water Temp. 2.8<sup>°C</sup> @ 1034<sup>m</sup>  
 Visibility \_\_\_\_\_  
 ABT # at Neutral \_\_\_\_\_  
 Captain Ross Barnes

Dive Location Loihi - Pisces Peak + Peles Pit  
 Lat. 18° 55.024N Long. 155° 15.910  
 Purpose:  Research  Training  Demo

Other: \_\_\_\_\_  
 Special Equipment:  
 Camera (type) Sony - ROS - Color & B&W  
 Manipulator Titan - HYCO  
 Other \_\_\_\_\_  
 Support Vessel R/V Kaimikai - O-Kanaka

Dive Results/Remarks: Dive to Pisces Peak to deploy BPR and establish a sampling site. 0846 500<sup>m</sup> descending to Pisces Peak drifting to the south. 0930 Land on a steep talus slope North of Pisces Peak at 1034<sup>m</sup>. Move south along scarp to Pisces Peak. 1036 956<sup>m</sup> At Pisces Peak. 1046 Deploy pressure sensor. Deploy 510 samplers #1, 2, & 3. (Black base) Deploy Wt01 sampler #1. (White base) 1127 Collect #3 suction sampler. Collect rock. 1139 Move towards Pele's Pit. Move SE towards Pele's Pit. Descend into center of Pit. 1255 1326<sup>m</sup> On bottom of Pele's Pt. 1330 Locate marker #42 at 1310<sup>m</sup>. Staudigel charges are gone. There has been heavy silting and signs of downslope activity. 1353 1298<sup>m</sup> Moved upslope to lower Jet Vent site. No venting. Area is buried in mud. Some light venting at upper Jet Vent site. 1402 1287<sup>m</sup> On top of Jet Vent rock. Locate charges #6 and #8. 1416 Some Equipment Deficiencies: light venting on top of Jet Vent Rock. 35.7<sup>°C</sup>. 1518 Suction sampler sample in bucket #4. 1537 Leave the bottom. Make a normal recovery. Seas Calm.

Pilot Terry Kerby  
 Ops. Mgr. [Signature]

Date 11/12/02  
 Date 11/14/02