

PISCES V DIVE REPORT

Pilot T. Kerby Wt. \_\_\_\_\_ Dive Number P5-138  
 Observer John Smith Wt. \_\_\_\_\_ Date Feb. 19, 1990  
 Observer Title/Affil. U of H  
 \_\_\_\_\_  
 Observer Max Cramer Wt. \_\_\_\_\_  
 Observer Title/Affil. U of H Time of Dive 0845  
 \_\_\_\_\_ Time of Surface 1716  
 Dive Location LOIHI Time Submerged 8:31  
 Lat. 18°54.5'N Long. 155°15.6'W Time Thru Last Dive 696:38  
 Purpose  Research  Training  Demo Total Time to Dive 705:09  
 Other \_\_\_\_\_ Dive Depth 1085<sup>m</sup> 3558'  
 Special Equip.: \_\_\_\_\_ Water Depth 1085<sup>m</sup>  
 Camera (type) Photo Sea - Osprey Water Temp. 3.3°C at bottom  
 Manipulator HYCO Visibility \_\_\_\_\_  
 Other Jaw Water Samplers/Baggie Samplers ABT # at Neutral

Dive Results/Remarks: Seas fair. Launch to the North West of Pele's Vent  
See bottom while descending along a sheer rock wall. Release drop wi  
and maneuver around to locate a shelf to land on. Move up slope after getti  
firm and calling surface. Uneven terrain makes it difficult to move up slope  
to Pele's Vents. Must power in midwater for long distances using sonar  
to scan ahead for bottom contacts. 1221 At Pele's Vents.  
Taking samples. Put down pinger. Recover pinger when I detect  
that it is not pinging. Leave three water jaw samplers in vent areas.  
Leave the bottom from Pele's Vents at 970<sup>m</sup>.  
Normal recovery

Equipment Deficiencies: ~~None~~ seawater in hydraulic motor comp.  
housing. Loss of comp fluid has caused bladder to press  
against back of motor and motor shaft bolt bore a hole in  
bladder allowing seawater to enter motor housing

Pilot Terry Kerby Date 9/20/90  
 Ops. Mgr ARK Date 9/20/90