PISCES IV DIVE REPORT

Pilot Terry Kerby Wt. _____
Observer _____ Wt. _____
Observer Title/Affil. Hubert Staudigale S.I.O.
Observer Brad Bailey Wt. _____
Observer Title/Affil. S.I.O.

Dive Location SW of Kealakekua Bay.
Lat. 19° 28.313" N Long. 155° 57.983" W
Purpose: (Research) Training Demo
Other:
Special Equipment:
Camera (type) Sony - ROS - Color/B&W
Manipulator Orion - HYCO
Other
Support Vessel R/V Kaimihai-O-Kanaloa

Dive # PIV-077
Date Nov. 16, 2002

Time of Dive 1137
Time of Surface 1818
Time Submerged 6:41
Time Thru Last Dive 559:20
Total Time to Dive 566:01
Dive Depth 1108 m
Water Depth 1108 m
Water Temp. 3.2°c @ 1106 m
Visibility
ABT # at Neutral
Captain Ross Barnes

Dive Results/Remarks: Exploration dive to locate lower margin of 1877 undersea eruption. 1221 Land on a sandy bottom in 953 m. Move to the South East. 1232 Locate a channel with basalt rubble and clay layering on upper edge. 1304 Collect a rock from the upper layer of the channel. Continue moving to the south east. Passed over basalt rubble on sand. 1333 Moving over a 95° sandy slope. Turn back to the NW and move downslope to 1100 m. 1445 Locate pillow lava flows on sand at 1104 m, in position 19° 28.042' N 155° 58.167' W Move over flows to a steep slope of pillow talus up to a vertical wall of truncated pillow flows. Vertical wall tops with large pillow flows that ascent to a peak feature at 1031 m. Posit. 19° 28.020' N 155° 58.115' W. Set out study site on a flatter pillow mound feature about 8 m to the NE of the pillow peak at a depth of 1033 m. Set out

Equipment Deficiencies: marker #1 to mark the site. Deploy all charges & settling traps. Collect rocks and sediments (scoop (Ball Valve) Search for western boundary of flow. Flow is massive. Do not locate NE edge of flow, before having to leave the bottom

Pilot Terry Kerby Date 11/17/02

Ops. Mgr. [signature] Date 11/17/02