

PISCES V DIVE REPORT

Pilot T. Kerby Wt. _____ Dive Number P5-255
 Observer J. Moore Wt. _____ Date Oct. 15, 1993
 Observer Title/Affil. USGS

Observer D. Clague Wt. USGS
 Observer Title/Affil. _____

Dive Location Penguin Banks
 Lat. 20°40.0'N Long. 157°40.8
 Time of Dive 0753
 Time of Surface 1556
 Time Submerged 8:03
 Time Thru Last Dive ~~1436:21~~ 1444:41

Purpose: Research Training Demo
 Other _____ Total Time to Dive 1452:44
 Dive Depth 1815^m

Special Equip.:
 Camera (type) Sony-Photosea, Panasonic Water Depth 1815^m
 Manipulator Titan II (Schilling) HYCO Water Temp. 2.0
 Visibility _____

Other _____ ABT # at Neutral _____

Support Vessel R/V Kila Captain R. Barnes

Dive Results/Remarks: Seas fair. Dive to locate and sample rocks from basalt and carbonate walls. Land on a sloping silty bottom. Fine clay and silt with a very slight northerly current moving up slope. 0930 Collect sample #1. Basalt from a lava boulder or outcrop on the silt plain. Moving up slope. 0950 Sample #2 at 1800m. Move up slope. 1000 Collected #3 @ 1760m. 1025 1715m collect #4 & #5 from exposed band of basalt breccia and carbonate. Having a problem with the slow moving silt cloud obscuring our visibility at the sample sites. 1100 #6 @ 1665m. 1115 #7 @ 1620m. 1130 #8 @ 1565m. 1230 #9 @ 1550m. 1257 #10 @ 1465m. 1300 Getting into even steeper rocky terrain. Vertical basalt walls. Land on edge of wall. Collect #11 @ 1400m. 1335 #12 & #13 @ 1320m. 1410 #14 @ 1250m #15 @ 1250m. 1430 #16 @ 1210m. Come to area with large carbonate blocks and a vertical carbonate wall. 1440 Nestle into an alcove on the cliff face and get sample #17 (carbonate) at 1150m. Leave the bottom from this site. Make a normal recovery.

Equipment Deficiencies: None (Depth gauge sticks at beginning of dive but frees up)

Pilot Terry Kerby Date 10/16/93
 Ops. Mgr T. Kerby Date 10/16/93