

PISCES V DIVE REPORT

Pilot T. Kerby Wt. _____ Dive Number 133
 Observer Mike Garcia Wt. _____ Date 21 Jan. 1990
 Observer Title/Affil. U. H.

 Observer _____ Wt. _____
 Observer Title/Affil. _____
 Dive Location N.W. Slope Loihi Time of Dive 1030
 Lat. 18°59.6'N Long. 155°15.5'W Time of Surface 1717
 Purpose: Research Training Demo Time Submerged 6:47
 Other _____ Time Thru Last Dive 675:16
 Special Equip.: Total Time to Dive 682:03
 Camera (type) Osprey Dive Depth 1733m 5684'
 Manipulator Schilling Water Depth 1733m
 Other _____ Water Temp. _____
 Visibility _____
 ABT # at Neutral

Dive Results/Remarks: 1150 On the bottom in steep rough rocky terrain on the North West slope of the Loihi caldera. Thruster tilt is slow. Move to vertical position for landing. Much more coral, sponge and animal life on this end than on the southern end.
Begin to move up slope. Thruster tilt mech. breaks. Thrusters stuck in forward vertical position. I pump water out to ballast slightly positive and am able to move up the cliff face with limited maneuverability. Land in an area to collect rocks before aborting the dive due to the lack of maneuvering capability. Manipulator is acting up. Try for two hours to pick up rocks. Not able to because of uncontrollable manipulator. 1500 leave the bottom from 1700m.
Make a normal recovery. Brian is able to adjust the position of the thrusters so I can make an unfeathered recovery.

Equipment Deficiencies: Photo sea camera, Osprey Camera, Schilling manipulator, thruster tilt mechanism, sea water in hydraulics. Hydraulic motor comp. fluid lost.

Pilot T. Kerby Date 1/23/90
 Ops. Mgr T.R. Kerby Date 1/23/90