

PISCES V DIVE REPORT

Pilot POWITCOMBE Wt. \_\_\_\_\_ Dive Number P5 110.  
 Observer Q MALACHOFF Wt. \_\_\_\_\_ Date 18 SEPTEMBER 88.  
 Observer Title/Affil. \_\_\_\_\_  
 \_\_\_\_\_  
 Observer J. SMITH Wt. \_\_\_\_\_  
 Observer Title/Affil. \_\_\_\_\_  
 \_\_\_\_\_  
 Dive Location LOIHI. Time of Dive 1058.  
 Lat. PITS OF DEATH Long. \_\_\_\_\_ Time of Surface 1120.  
 Purpose: Research Training Demo Time Submerged 00:22.  
 Other \_\_\_\_\_ Total Time to Dive 577:09.  
 Special Equip.: Dive Depth 120 FT (40m).  
 Camera (type) \_\_\_\_\_ Water Depth 1300 m +.  
 Manipulator \_\_\_\_\_ Water Temp. 26.  
 Other NISKIN Visibility \_\_\_\_\_  
 ABT # at Neutral \_\_\_\_\_

Dive Results/Remarks: PISCES "LOCKED" ONTO LRT & TOOK MUCH AIR TO LIFT OFF! (TOOK LRT UP!). FINALLY BROKE FREE AND HI-BALLED TO SURFACE. - VENTS "OPEN" & FULL THRUSTER "DOWN". - WHEN DESCENDING (FAST) - THRUSTER TILT TO HORIZONTAL & "FULL ASTERN" TO CLEAR LRT. HEARD BANG! WHILE TILTING THRUSTER! ERRATIC CONTROL RESPONSE - SAW COULD NOT CLEAR LRT - VENTS SHUT & BLEW BALLAST AIR FAST. LANDED 'SOFTLY' ON FWD DECK LRT & DIVERS HANDLED PISCES INTO SLOT FOR RECOVERY.

DIVE ABORTED  
(NOTE) PISCES LOCKED ON DUE TO IRON SHOT IN SKIDS - NIGHTTIME SERVICING!

Equipment Deficiencies: \_\_\_\_\_  
THRUSTER TILT PISTON/CLEVIS FAILED.  
- ROUGH MEASURE & EYE BALL PISTON LENGTH - RELATIVE TO THRUSTER POSITION. FOUND ROD UNDER TENSION (STILL WORKING) DURING VERTICAL MODE - PUTTING STRAIN (TENSION) ON UPPER SUPPORT BRACKET THEREBY LOOSENING IT DUE TO SLOPPY HOLES! REPAIRS SUGGEST TO LENGTHEN ROD < 1/4" TO ALLEVIATE "TENSION".

Pilot POWITCOMBE Date 18 SEPTEMBER  
 Ops. Mgr \_\_\_\_\_ Date \_\_\_\_\_