

PISCES V DIVE REPORT

Pilot D Foster Wt. _____ Dive Number PS-140
Observer N. Murphy Wt. _____ Date 22 Feb 90
Observer Title/Affil. _____
USIT
Observer M. Cremer Wt. _____
Observer Title/Affil. _____
USIT
Dive Location LOH: Pele's Vent
Lat. _____ Long. _____
Purpose: Research Training Demo
Other _____
Special Equip.:
Camera (type) TVP; VDO; 35mm
Manipulator Hyco
Other Ti Samplers; Rock Basket
Time of Dive 0820
Time of Surface 1314
Time Submerged 4:56
Time Thru Last Dive 706:39
Total Time to Dive 711:35
Dive Depth 1040
Water Depth 1040
Water Temp. _____
Visibility _____
ABT # at Neutral

Dive Results/Remarks: Normal descent to 900 m.
Using sonar and surface navigation
traveled to slopes of Pele's vent.
Landed at 1040m on east side of
dome. Hyd. pump failed immediately
after landing. Had run OK during
descent. Thrusters were approximately
20° up. Travelled around Pele's dome
clockwise taking photos and VDO. Were
able to get one water sample from
active vent before hyd pressure was low.
Mapped extent of vents on N.E. corner
of Pele's dome.

Equipment Deficiencies: Hyd. pump motor failed.
- Replaced armature - rebuilt
motor.

Pilot DEOL Date 27 Feb 90
Ops. Mgr Verry Kirby Date 2/29/90