

National Deep Submergence Facility May 2000 DESSC Meeting

Overhaul Timeline

- Offload ATLANTIS on arrival in December
- Begin overhaul work January 2, 2001
- Complete overhaul work May 31, 2001
- Sea trials and certification June 2001
- Operational July 1, 2000
- http://www.marine.whoi.edu/ships/alvinalvin.htm

Possible Upgrades

- Improve pan/tilt controls
 - Observer positions, flexibility
- Improve ergonomics
 - Better cushions, more floor space in sphere
- Investigate "modular" basket design
 - "Erector Set" to modify as required
- Retain Benthos 35mm cameras
 - Digital frame grabs will eventually replace
- Investigate fiber optic penetrator
 - determine need, technical review

Possible Upgrades cont.

- Upgrade single chip cameras
 - Better single chip of small 3-chip
- Install flat screen displays
 - Pilot and Observer monitors
- Acoustic modem for depth/position telemetry
 - Increased navigation options
- Digital video recorders
 - miniDV cam (pro format) masters
- Doppler Navigation w/RLG
 - Continuous fixes with acoustic updates
- Lateral thruster with DP control