

ALVIN Overhaul Plans

NDSF Operator's Report

- Major objective is complete disassembly, inspection, and rebuild



The *Alvin* you haven't seen. Two weeks after the start of the overhaul.

<http://alvincam.who.edu>



OVERHAUL IMPROVEMENTS

To improve reliability, improve performance, decrease costs

- Redesigned lights & propulsion relay chassis for solid state relays
- Revise mount for Doppler Velocity Log to allow spare interchange
- Titan 4 fully upgraded for 7000m capability
- Replace variable ballast sea water control valve
- Replace explosive bolts with Frangibolts
- Replace Octans gyro with Phins gyro -- improved heading accuracy, INS capable
- Upgrade *Atlantis* USBL to Nautronix NASPos
- WHOI funded *Sentry* tests during sea trials

