



HDTV Imaging Upgrade



HDTV operational prototype successfully deployed on Resing and Chadwick Cruises in 2009 and 2010

Science users provided direct feedback on control and integration issues for final integration into the *Jason* Control Van



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Current Schedule

- Installation on *Jason*, June 2010
- Installation on *Alvin*, October 2010

Installation schedules were determined by availability of vehicles and support personnel on cruises



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Current Status

- Both camera optics and electronics have been bench tested
- Camera control box prototype is built
- Lens control box is built
- Frame capture software being written
- Pre-processing software to be ported to frame capture system once final acquisition software is completed
- *Alvin* data buffer prototype built and being programmed
- Camera systems assembled and ready for pressure testing (once glass recertification is completed)



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Schedule Impacts

During pressure testing the glass domes for both cameras were found to be out of specification. We are currently looking at the options and expect a solution shortly.

Delays have also been incurred in obtaining the flash memory devices for the *Alvin* data buffer. They took many more months than expected but have finally been delivered.