Summary of 
ALVIN Debriefs

1 Cruise
Alvin Debrief Highlights

• Completed 9/27 dives due to problems with Atlantis Z-drives
• PI was pleased with the Alvin group, the ELs, and performance exceeded expectations, particularly since Alvin had been out of service for 7mo.
• Efficient weight control facilitated faster ascent/descent rates, 6 h bottom time at ~4000m,
• Science team was able to achieve their goals
Operations - Recommendations

• Minor problems with 1 Alvin camera (small leak required disassembly and drying after dives).

  – **Suggestion:** If possible, have a spare to allow for swapping out cameras rather than disassembling/reassembling after each dive.
Operations - Recommendations

• Effectiveness of Casius survey to calibrate USBL was mixed. Calibration hadn’t been done in a while, and while the previous calibrations were done by Sentry, unclear who is responsible for the system (Atlantis, Alvin, Sentry, SSSG)

  – Suggestion: Assign who is responsible for maintaining that system
Operations - Recommendations

- *Alvin renav not available post cruise, science processed the data with Sentry code. When does the renav become available on FrameGrabber?*
  
  - **Suggestion**: Use Sentry code for future Alvin programs and alert PIs when to expect renav availability on FrameGrabber.
Data hand over - Recommendations

• *Speed of video duping was slow* (hindered by intranet) also *Chief sci recommended adding an index to the files on the drive for ease of access.*
  
  – **Suggestion**: Add an index to data files (not sure about intranet issues)