

# 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)