Summary of Post-Cruise Debriefs

Jason (Andrew Thurber – Oregon State U)
Alvin (Roxanne Beinart - URI)
Sentry (Scott White – U South Carolina) - none to report
Summary of 2019-2020 Jason Debriefs

Kelly/Philip/Kawka/Reimers, OOI (Jason) August 2020
Miksis –Olds, ADEON(Jason) Dec 2020
Fornari et al. (Jason)*

*Not debriefed yet
Jason Debrief – Overview

- Overall successful cruises with science objectives met
- PreCruise, MOB, and DeMOB in general went well.
- Expedition Leaders were very good to excellent
- Communication during delays was clear
- COVID mitigation procedures were flexible enough to minimize impact yet rigid enough to not get COVID.
- Weather days were reasonable
- On one cruise, the JASON team went above and beyond – being able to launch the vehicle ahead of schedule and recover science assets. “Nothing but glowing how this went”
Still image quality captured from the Sulis camera was different than images viewed on monitor during the dive

- Delay between collection and review led to a loss of high quality imagery for multiple dives.
- Camera automatically reset key settings between dives meaning that it required technical attention
Recommendations & Comments

Camera issues
- Add or facilitate the ability to review, in near real time, imagery collected as it is saved.
- Data logger should be able to run the Sulis camera to minimize Watch Leader tasks (as an option not requirement).

Even when running continuous 24 h operations, provide daily updates on the vehicle to the Chief Scientist (noting that in all cruises communication was considered very good.)

Discuss and plan pilot training with Science pre-cruise and throughout so that it can be considered when developing the science plan.

The JASON team went above and beyond to facilitate recovery of lost gear and in many ways saving a cruise whose activities were broad in scope.

Overall Expedition Leaders, JASON Team, Vehicle and cruises were highly successful and supported the science well.
Summary of 2020 *Alvin* Debriefs

Chief Sci: Craig McClain (LUMCON), Feb. 13-20, 2020
Alvin Debrief – Overview

- Successful cruises with science objectives met
  - Recovery of 99 wood packets during 6 dives
- Lack of communication during pre-cruise planning led to some inefficiencies
- No dives lost to weather or technical issues (very appreciative that 2 day fog delay leaving Gulfport did not affect science)
**Alvin Debrief – Logistics and Operations**

- Mobilization and vehicle operations went well and were very smooth
- Mostly excellent experience with Expedition Leader and *Alvin* team
- Expressed that Sealog system was not user-friendly and still felt easier to use pen/paper
Alvin – Recommendations

- Pre-cruise planning should be streamlined with only one point of contact in Alvin team to minimize confusion and avoid repeat communications