

Summary of Post-Cruise Debriefs

Jason (Andrew Thurber – Oregon State U)

Alvin (Roxanne Beinart - URI)

Sentry (Scott White – U South Carolina) - none to report

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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”

Jason Debrief – Operational Issues and Equipment

- 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

Jason –Recommendations and Comments from users

□ 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