

# Alana Sherman Sorted By Project

## 800139 - EyeRIS (Remote Imaging System)

- Trying to look into the budget and make sense of what is left for deeper rated systems (Week 2)

## 901618 - Pelagic-Benthic Coupling and the Carbon Cycle

- Testing Dualie camera tripod for Feb cruise (Week 1)
- Helping as I can to find spare pieces and parts as Paul has discovered some corrosion on the connectors. (Week 2)
- After some hiccups, I ran the Dualie camera tripod for an overnight test. Reviewed images, all looks good. Set up the cameras and it is ready to go (Week 4)
- Packed ship with all Rover, camera tripod, SES stuff (Week 4)
- Getting macro set up for testing before June deployment (Week 20)
- Spent the week getting the Macro camera back up and running. (Week 24)
- Overnight tests in the highbay were successful (Week 24)
- Found potential issues with Seabattery, seems to take too long to charge, but should be okay for this brief deployment (Week 24)
- Doing final prep of camera tripod for next weeks deployment. Collecting gear to bring on ship. (Week 25)
- Wrote matlab script to determine if any of the respirometry data came through (Week 44)
- Review Rover schematics and data to try to determine where to start looking for optode issue experienced during our last cruise. I hope to follow up with some testing next week. (Week 45)
- Debugged Rover optode failure, found that a fuse was mis-sized and blew before the first layer of protection (Week 48)
- Rover fuses for optodes are fixed, just awaiting final test (Week 49)
- Camera tripod dismantling is about to begin (Week 49)

## 901809 - Deep Sea Bioinspiration

- Helped troubleshoot issues communicating to the camera through Doc Ricketts. The serial expansion for the Focal stack is not acting as we would expect, to get around this we modified the camera to run serial comms through another science port. (Week 33)
- Tried to troubleshoot an issue with the science port comms to the DeepPIV camera. In the end there seemed to be either a fault or configuration issue with the focal serial expansion board. We changed the internal wiring to bring serial comms through another port. It is a hack but should get us through this cruise. (Week 34)
- Reviewed interview questions for OVAI hires (Week 45)

## 901904 - Deep-Sea Coral-Sponge Community Observatory

- Trying to interface the Canon EOS R6 (Week 1)
- Integrated Canon R6 in coral macro chassis. James made up some cables for me and I have just begun to test it out and initial results are promising. As of Tuesday I was running the camera in deployment and took 50 images over several hours. Next step is to look into low power modes and see how I can minimize energy consumption. (Week 2)
- Reviewing pics for test from Canon week long bench test. So far looks good. Still some details on the internal clock battery that need addressing. Next up is to take some energy measurements to better inform our mission plan for March (Week 4)
- Prepping Macro camera system with Canon for deployment in March. We had some drama with our new lens, and discovering that it moves each time power is applied but mostly worked out now. (Week 8)

- Overnight tank test and setting the focus went well. Next to test is DeepSea Connect. After that I need to update procedures document. (Week 8)
- Completed a rough mobilization of the Coral Macro camera which consumed most of my week. We had to reopen the camera housing, and the battery housing to work out all the issues. (Week 9)
- Did extensive testing with the ROV using DeepSea Connect. (Week 9)
- Updated Procedures document for Steve (Week 9)
- Provided shore support via telepresence for the deployment of the coral macro camera at octopus garden. It all went very smoothly and on a return trip three days later the camera was still working...now it only has to last 3 more months! (Week 10)
- I updated the procedure documentation for the Macro system and packed supplies for Flyer cruise, which was canceled. Hopefully the Macro camera will be recovered soon. (Week 28)
- Offloaded images from DiSCO, worked great for a year- very active community (Week 32)
- Macro camera recovered from octopus garden. I downloaded all the images off the camera and am learning how to batch process them in Matlab and photoshop (Week 35)
- The Macro was ready to go out last week but was weathered out. New deployment date is Nov 14. (Week 44)
- Mob'd macro to go out Thursday, all seems ready (Week 45)
- End of year shopping (Week 48)

## 902208 - MiniROV Operations

- Tried a new modbus library for Labview with control code (Week 1)
- (Week 1)
- Working on updated plan for Benthic tool sled (Week 4)
- Trying to navigate the closing in of the shipping schedule for the Arctic and the delays of the Fulmar. (Week 8)
- Met with Charlie et al to solidify the extra tools etc needed for the Arctic. (Week 8)
- Worked with Dale going over updating the software on the van computers (Week 8)
- Working on schematics for the extra serial instruments (Week 8)
- Working on schematics for Benthic Serial Expansion can (Week 9)
- Scrounging pieces and parts for can (Week 9)
- Finished schematics for benthic serial expansion can (Week 10)
- Made system schematic for arctic cruise to help identify what cables we still needed (Week 10)
- Order and found a vast number of cables and connectors (Week 10)
- Trouble shot hall switch (Week 10)
- Helped wire up the system for tank testing (Week 10)
- Spent the last three weeks packing and preparing the MiniROV to go to the Arctic. (Week 14)
- We had one major technical problem that was a combination of water getting into an oil-filled housing and the GFI system not being correctly hooked up. The result was blown fuses all over the system and opening up most of the housings. Once it was put back together there were a bunch of smaller issues (low voltage ground faults on instruments and cables, software updates) (Week 14)
- Combined packing lists of several previous cruises (Week 14)
- Packed and documented all the Zarge boxes for the cruise (Week 14)
- Going through storage and cleaning out many years of accumulated and misc parts (Week 20)
- Made test cable for pin puller to get system working in the tank (Week 24)
- Assembled computer and other test equipment for bench testing of the niskin/pin puller pair (Week 24)
- Working on budgets for 2023 (Week 25)
- Wrote Phase 1 proposal for the MiniROV Support project. (Week 28)
- Making spare cables for arctic trip (Week 28)
- Updating schematics (Week 28)
- Made up two spare cables for Mini (Week 32)
- Collecting items to be hand carried to the arctic, updated the schematics and copied the project library onto a hard drive. (Week 33)
- Worked on vehicle schedule for 2023 as part of Phase 1 proposal feedback (Week 34)

- Communicated with projects teams post-phase 1 and also with Jean from the Fulmar about next years schedule and costs (Week 35)
- Submitted Phase 1 feedback on the proposal (Week 35)
- Getting the schedule in order- talking with the Aquarium, as well as Katija, Rock, and Troni (Week 44)
- End of the year spending decisions (Week 44)
- (Week 44)
- Scheduling the cruises for next year (Week 45)
- Requested extra funds to pay for more software consulting (Week 45)
- Revisiting the job ad for MiniROV position (Week 45)
- Met with group from LA about using push core design (Week 48)
- Working through ship schedule with MBA and sanctuary (Week 48)
- Making plans for the end of the year efforts (Week 48)

## Out of Office

- Out for sick kids and kids dr appointments
- Out for sick kids Monday and Tuesday
- Out with sick kids Monday afternoon
- Out sick all week
- Vacation week of July 4
- On vacation 7/21-30
- Out for dentist appt
- Taking friday the 11th as a vacation day
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- Out of the office for school field trip Wednesday morning.
- Out of the office for sick kid Monday and Wednesday and for a school field trip Tuesday morning.

## Overhead

- Began process for annual performance reviews. (Week 1)
- Started annual performance review process (Week 2)
- Strategic Roadmap: edited draft outline, participated in meeting (Week 2)
- Building G meeting on casework for project lab spaces (Week 2)
- Seafloor processes PI interviews this week (Week 4)
- Finished all 8 reviews for group- hooray!! (Week 4)
- Working on strategic roadmap mission/vision/values section (Week 4)
- Seafloor processes PI interviews this week (Week 5)
- Finished all 8 reviews for group- hooray!! (Week 5)
- Working on strategic roadmap mission/vision/values section (Week 5)
- Last week participated in two more interviews for Seafloor Processes (Week 8)
- Working on microwave solutions (Week 9)
- Put through paperwork for independent contractor agreement for Dale (Week 9)
- Working on microwave replacement plans and other details in light of Craig's retirement. (Week 10)
- Microwave: went on my first trip to Mt.Toro to try to help with a microwave outage and learn about the system. (Week 16)
- Worked on strategic roadmap outline and other documents (Week 16)
- Starting up job search for new EE hire. Assembled other advertisements for similar positions for the team to look at (Week 16)
- Mostly overhead this week: strategic roadmap, launching new EE hire, and Seafloor Processes interviews. (Week 17)

- Attending National Academy of Sciences Workshop on Technology Developments to Advance Antarctic Research, giving a brief talk and will be a panelist for a session on Science/Engineering Partnerships. Working on talk prep. (Week 18)
- Working on Strategic roadmap (Week 18)
- Finalizing draft of new EE job posting (Week 18)
- Working on Abstracts (With Paul R and Colleen) (Week 19)
- Working on Strategic Roadmap (Week 19)
- Gave a presentation and was a panelist for National Academy of Science Workshop on Technology for Antarctic studies (Week 19)
- Worked on abstracts and abstract presentations (Week 20)
- Seafloor process hiring committee activities: interviews for our second candidate (Week 20)
- Strategic roadmap (Week 20)
- Seafloor Processes hiring committee (Week 24)
- Strategic roadmap meeting to go over next steps (Week 25)
- Reviewed proposal for Sinker and several others (Week 28)
- Strategic roadmap committee meeting and work on outline (Week 28)
- Reviewing EE position applicants (Week 28)
- Preliminary review of candidates for EE position, starting to organize preliminary interviews (Week 29)
- Work on strategic roadmap sections on impacts (Week 29)
- Beginning proposal review (Week 29)
- Engr Proposal review (Week 32)
- EE candidate Zoom interviews (Week 32)
- Working on scheduling interviews (Week 33)
- Spent most of Friday trying to balance labor resources and review feedback as part of phase 1 (Week 34)
- Strategic Roadmap meeting (Week 34)
- Crane training (Week 34)
- Scheduling interviews for EE position (Week 34)
- Did interview about Western Flyer for Maddie Go, MBARI Sci Comm Fellow (Week 35)
- Strategic Roadmap committee (Week 35)
- Spent a large amount of time scheduling the first two interviews for the new EE position. Held meeting with the interview committee. Lots of coordination and scheduling. (Week 35)
- HR issues (Week 44)
- Hiring efforts on the EE hire (Week 44)
- Working on promotion materials (Week 45)
- Review applicants for AUV/SE position (Week 45)
- Sent out hours to EE group for 2023 (Week 48)
- Working on hours for new hires (Week 48)
- Posted MiniROV position (Week 48)
- Interviewing for Kakani's OVAI and starting up AUV groups SE position (Week 48)
- Two in person interviews for the ASOE position (Week 49)
- Organizing lab space in ESB, cleaning up e-remnants from bldg G (Week 49)
- Working on the SR images for the challenges (Week 49)