Alana Sherman Sorted By Project

901809 - Deep Sea Bioinspiration

901904 - Deep-Sea Coral-Sponge Community Observatory

- Trying to figure out expanding image storage on Macro (Week 21)
- Looked into data storage options for Coral Macro (Week 22)
- Trying out some bigger memory cards (Week 24)
- Trying out a 1TB SD card on the Macro camera. Recording lots of video to see if there are any issues are the card fills up. (Week 25)
- Testing new larger card for macro- research and testing seem to indicate it will work (Week 26)
- Remove and disposed of Li batt from Macro (Week 26)
- Some digging to figure out what type of lens we are using on the Mega (Week 29)
- Steve and I took a battery inventory and convinced ourselves that we budgeted the right amount for next year (Week 35)
- Pulled out the old Dualie near field camera to try to figure out whether an updated model will work mechanically and electrically with the existing chassis (Week 45)
- Testing Macro in my office. So far it seems to be working with the new card well and all functionality seems good (Week 52)
- Running a longer test in deployment mode, after which I will set the focus and can seal up the housing (Week 52)

902208 - Mini ROV Operations

- Prepared the 20ft control van for the Carson dives, lots of small issues to troubleshoot including: (Week 2)
    - Networking loop (Week 2)
    - KVM switch issues with cordless keyboard and mouse (Week 2)
    - Issues with the overlay video components (Week 2)
- Helped a little with some last minute issues on the mob (Week 3)
- Met with team to discuss work needed before the arctic (Week 7)
- (Week 7)
- Spent a couple days working on ground faults and tuning issues with the clump thruster (Week 8)
- Added a lot of documentation on the thruster motors and resolvers, to our vehicle documentation (Week 8)

- Still trying to resolve my resolver issue (pun intended), after banging my head against a wall I think I have a lead. (Week 10)
- Tried more tests on the thruster tuning but still not solved (Week 11)
- Actually got a thruster motor tuned with a second one in progress. Did not solve the mystery of the resolver error but I have new parts to try once we are done prepping for the Arctic cruise shipment. (Week 12)
- Taking apart the lab set up and moving the computers and focal box back into the van (Week 12)
- Now packing for the cruise (Week 14)
- Updating documentation (Week 14)
- Locating and ordering parts (Week 14)
- Packing and taking apart the vehicle (Week 16)
- Trying to get a handle on our budget situation for the rest of the year (Week 22)
- Figured out and documented the low-voltage ground fault circuit. When Mini returns from the Arctic, I will update the software to represent the fault in uAmps not counts. (Week 25)
- Proposal work (Week 26)
- Proposal!!! (Week 28)
- License agreement with Kopri for water samplers and push cores (Week 28)
- Held meeting to discuss the electrical system of the Mini with Arctic team prior to their departure. (Week 33)
- Writing up phase 1 feedback (Week 35)
- Was bequeathed the motors from FOCE and will try to take what is compatible with the mini thrusters to use as spares (Week 38)
- Working with Justin on plans for new thruster, my time was spent mostly looking at new controllers/feedback sensors and getting parts to test on the bench. (Week 41)
- Thruster refresh effort (Week 43)
    - Ordered encoder and RDC (resolver digital converter) for testing with new Maxon controller (Week 43)
    - Thinking about ordering some Elmo's as well if other groups want to go in on a purchase (Week 43)
- Talking through plans for the deployment of the DAS cable. Trying to figure out which concept is the easiest to achieve the goals, but each is complex (Week 46)
- With Jose's help, figuring out the matting connectors for the Packard's van service box which will be used to pass comms from the MiniROV van to the ship. This will also be used by other vans moving forward. (Week 46)
- Met to plan the winter Mini operations in the face of the shipping delays. (Week 52)

902401 - Geo-Sense

- Big progress, bench tested the new DAS during 2 zoom calls with Sintella. Learned to operate system, adjust parameters and record data. (Week 2)
- Finished schematic for electronics sphere and overseeing wiring of e-sphere (Week 2)
- Worked with DMO to identify release and 600m piece of spectra line (Week 2)
- Looked at a lot of trawl blocks but need some guidance from Kavi (Week 2)

- Tested deepsea connect through water and had success (Week 2)
- (Week 2)
- Everything- working out a million details trying to get the system ready to go out next week. (Week 3)
- So far biggest remaining issues are with the deployment rigging and sheave. (Week 3)
- (Week 3)
- We have been going non stop preparing for deployment friday (Week 4)
    - Tested full system after Bryan spliced last section of fiber (Week 4)
    - Worked on sealing up electronics sphere and Deepsea connect housing (Week 4)
    - Held last meeting with Sintela to finalize settings (Week 4)
    - Starting to create documentation for deployment (Week 4)
    - Trying to help out with mechanical assembly (Week 4)
    - Working with pilots on last details of ROV-manipulation (Week 4)
    - Too many details to even remember (Week 4)
- I worked with the amazing GeoSense team and many other heroic MBARIans through long hours all weekend to get the DAS back up and running and deployed on Tuesday. It was an exhausting and amazing experience. The deployment was successful. (Week 5)
- GeoSense deployed and making plans for our visit back to the site on Thursday. (Week 6)
- Went out to sea Thursday to survey cable (Week 7)
- Connected to instrument but could not talk to DAS, got very depressed (Week 7)
- Working on plans for our recovery beginning of March (Week 7)
- We recovered the GeoSense and we able to recover some data despite the failure on the board. Actual cause tbd. (Week 10)
- Lots of things we are trying to work through that were learned from the first deployment. (Week 10)
- The new instrument arrived so we are trying to remember how we set it all up. (Week 10)
- Got new DAS unit running in lab (Week 11)
- We met with Sintela to go over the data and some remaining issues. It was very productive and got answers to most of the questions (Week 12)
- Held group meeting to keep remaining tasks on track (Week 12)
- Packed up original unit to return to the UK (Week 14)
- Trying to start figuring out fibers for potential deployments in Europe this summer (Week 16)
- We have been working the last two weeks to get the new DAS up and running. So far we have fixed, terminated, and tested (Week 20)
- We tested the deployed cable and made sure that the oil-absorption did not make any difference (Week 20)
- We purchased rack mount chassis and hard case for travel (Week 20)
- Meetings over the logistics of a potential greece deployment (Week 20)
- Putting together project update (Week 20)
- Held Project Update on Monday, so spent many of the days preceding figuring making the presentation. (Week 21)

- Working with Aaron to determine if we could make logistics work for seep site in Milos but I think we have decided we would need more time to prepare, as our initial site had logistic difficulties and danger to the cable we could not overcome (Week 21)
- Trying to plan and test components for Norway (Week 22)
- Working through plans for 2026 proposal (Week 22)
- Spent a lot of energy getting budget in order and still that is in process (Week 22)
- Working on budget issues - trying to clean up issues from last year (Week 23)
- Working through logistics for Norway deployment (Week 23)
- Planning next years proposal (Week 23)
- Got budget transfers in order and figured out where we are at financially (Week 24)
- Tank test of linden cable, all looks good (Week 24)
- Ordered shipping case for linden cable (Week 24)
- Working on logistics for Norway deployment (Week 24)
- Lots of little details to get prepared to ship out the Linden cable to Norway. (Week 25)
- Went through 2026 proposal and still working on labor estimates (Week 25)
- Lots of details to get things set for Norway (Week 26)
- Proposal work (Week 26)
- Proposal!! (Week 28)
- Prep for Norway- (Week 28)
    - Met with Sintela to go over software updates (Week 28)
    - Preparing system for software updates (Week 28)
    - Looking into NTP servers and GPS antennas/receivers (Week 28)
- Lots of troubleshooting of the DAS instrument in prep for Norway. (Week 29)
- Continuing to update the documentation (Week 29)
- Last week, we updated the software and firmware during a Zoom with Sintela (Week 29)
- This new software has some nice features (OTDR), but we are learning about some bugs. (Week 29)
- We spent a lot of time trying to get the playback feature of the software working, with mixed results (Week 29)
- Keeping up with operations in Norway (Week 31)
- Looking into wireless payout counters for our sheave (Week 34)
- Finished abstract for Ocean Sciences (Week 34)
- Writing up phase one feedback (Week 35)
- Vetting plan for wired sheave through DMO (Week 35)
- Helped get the system back up and running in the lab (Week 35)
- Trying to get a realistic budget and ship schedule given phase 1 feedback and cancellation of the Packard cruise (Week 35)
- Trying to work out details for Gaia blu proposal, mostly in deployment options (Week 37)
- Running down details with winches here and on ship (Week 37)
- Looking into ROV-free recovery strategy with pop-up buoy (Week 37)
- Spent a lot of time trying to piece together the various options for deploying Geo-Sense from the Gaia Blu. I think by the end we had a clear plan of first and second choice, although much depends on the availability of shared resources. (Week 38)
- Got quotes for pop up buoys and learned more details about these (Week 38)

- Communicated with ship on winch options (Week 38)
- Thinking about elevator and ROV contingencies (Week 38)
- Going to start working on paper (Week 38)
- Purchased Mathematica software so Paul and others can continue to do analysis (Week 38)
- Writing up system description for manuscript (Week 38)
- Worked on the first manuscript (Week 39)
- Trying to figure out elevator deployment (Week 39)
- Thanks to DMO the missing sheave was found. Contacted Smith Berger to dig up the details on the line counter sensor. Sent to Aaron to see if AGO can work with what we already have to make a complete system. (Week 41)
- Working with Aaron on details for the external proposal for ship time- lots more information related to the Mini and to the Macartney winch (Week 41)
- Trying to run down details on winter deployment with the elevator. (Week 41)
- Working with vendors and Aaron S to finalize the purchase of line-counter electronics (Week 43)
- Read the manuscript for Aaron's paper on MARS data (Week 43)
- I spent most of my time researching FO connector options for the AUV test, but most are expensive and take forever to arrive. (Week 43)
- Took inventory of remaining spares, going to order more (Week 43)
- Going to take a look at the budget today and figure out what we can afford to buy this year. (Week 43)
- Aaron and I prepared a short presentation on our goals to use DAS with LRAUV. (Week 43)
- Interviews for Seafloor Processes lab hire (Week 45)
- A flurry of POs for FO connectors, Ethernet connectors, and Sintela rental fees (Week 45)
- Working through details that impact our winter cruise (see above with Mini) and our proposed Kolumbo expedition (Week 46)
- Did a tank test with new Linden FO cable, it seems to have more memory and we are worried it will not lay flat. We are working with the vendor to try and optimize the FO cable (Week 46)
- Looking at new linden cable option (Week 49)
- Revisiting our winter deployment plan due to the delay of the Mini (Week 49)
- Budget and spending (Week 49)
- Year end spending and budgeting decisions (Week 52)
- With the teams help we got the instrument up and running again and it is now being cold tested over the holidays (Week 52)

902505 - 2025 Arctic Expedition

- Packing and packing and packing (Week 15)
- Holding meeting to discuss operations (Week 31)
- Provided some onshore information while the team was troubleshooting a ground fault. (Week 35)

Out of Office

- Out of the office March 5
- Out sick Monday and Tuesday and last Thursday
- Helped at school event last Friday
- On vacation 4/10-4/14
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- Thurs May 29 for vacation
- June6-june9, vacation
- On vacation 7/17-25
- Worked remotely Monday
- Out of office Friday and Monday
- Tentatively planning to be on the Packard 9/19-9/22
- Helped with school activity 10/17

Overhead

- First steps of employee performance review (Week 2)
- Since MBARI was forced remote on Friday I worked on performance evaluation stuff (Week 4)
- Starting reviews… (Week 5)
- Reviews, this consumed almost all my time since the GeoSense deployments. I just finished all 10! (Week 6)
- Postdoc application reviews (Week 6)
- Finished personnel reviews (Week 7)
- Had my own review (Week 7)
- Evaluated postdoc applications (Week 7)
- Out of the office much of last week, sick and then vacation time (Week 12)
- Packard (!@#!@) tour and multiple seminars (Week 14)
- abstracts! (Week 20)
- Did project update May 21 (Week 22)
- Modifying project update to DOEST talk now (Week 22)
- DOEST!! Gave talk and decided to add live demo, so most of the last few days spent on prep. (Week 23)
- DOEST presentation last week (Week 24)
- Rewriting job description for EE group positions. Current document is in need of updating. (Week 25)
- Proposals submitted last Thursday (Week 29)
- Did a preliminary review of the labor spreadsheet (Week 29)
- HR meeting regarding promotions (Week 31)
- Proposal review all week (Week 33)
- Some proposal review work (Week 34)
- Moving offices, I definitely did not scope the labor on this project accurately. (Week 35)
- Helped with project management workshop (Week 37)
- Phase 2 labor budget revisions (Week 37)

- (Week 37)
- Looking into project management software options at MBARI (Week 38)
- Doing some online trainings for MS Planner and Project (Week 38)
- Went on R/V Packard from Sept 19-22, worked with Captain Andrew to clean up VSOPs, and Familiarizations on the ship server as part of the work involved in developing the SMS (Week 39)
- Interview for Embedded SE and one for PI coming up (Week 39)
- Follow up meeting on Project Management training (Week 41)
- Two PI 'Omics interviews this week (Week 41)
- Rigging class Weds afternoon (Week 41)
- Interview committee meeting for Micallef research specialist position (Week 43)
- Seminars and meetings (Week 43)
- Board meeting Tuesday (Week 45)
- (Week 45)
- Finished up Seafloor processes interviews and hire is now complete! Hooray! (Week 46)
- (Week 46)
- Working on submitting all promotion materials (Week 49)
- Working on new hire resource requests (Week 49)
- (Week 50)
- Did final edits to the position description for the engineering division (Week 52)
- (Week 52)