

Karen Salamy Sorted By Project

200103 - Core CTD Data - MDUC

- John R. is setting up a meeting for next week for the team along with Kevin B. and myself to go over the project and the work required as I take over the ROV O2 QC. (Week 37)

300057 - Mooring Maintenance

- Weekly checks and server/scripts maintenance. (Week 3)
- Weekly maintenance and data accuracy review (Week 5)
- Weekly maintenance and data verification/validation (Week 6)
- Weekly maintenance and data verification checks. (Week 7)
- M1 data downloads were problematic last week. It was determined that the OA1 data downloads were "stepping on" M1 downloads. I shut down all OA1 data downloads as a result. This is most likely due to hardware issues (probably a dead battery) on OA1. I reached out to Francisco, Chris and Jules regarding when the next OA1 maintenance will happen. Chris filled out a pre-cruise to fix the OA1 mooring for March 3, 2022. I will continue OA1 downloads once the maintenance has been completed. (Week 8)
- Weekly maintenance and data checks (Week 9)
- Worked with Chris. and Jules regarding the maintenance of OA1 this past week. They fixed problems with the mooring and I then restarted the OA1 nightly downloads. So far, M1 and OA1 data downloads are now playing well together. (Week 10)
- Mooring operation and maintenance checks. (Week 11)
- Weekly M1 mooring and monitoring of data downloads. There was a data issue with the M1 50m Microcat CTD over the weekend. I could not find any locked files and the problem seems to have cleared itself by Sunday. I was in touch with Jared and he was going to look into whether there were any obvious issues from his side. (Week 12)
- Weekly maintenance and data download verification checks. (Week 13)
- Weekly maintenance and data checking. (Week 15)
- Issue with Mt. Toro kept data downloads to SSDS from occurring over the weekend. Spent part of Monday working with Jared F. to check on the downloads and verify all was well following fixes to Mt. Toro. (Week 16)
- Spent more time than usual this week on Mooring work. Yesterday I prepared the test directory for the upcoming Mooring turn (scheduled for) so Jared F. can begin testing the deployment set up. This is my first time preparing for a mooring turn without Rich so I have been extra careful with all steps in the process. (Week 17)
- Weekly maintenance and data checks. (Week 18)
- Helped Jared F. begin setup and data tests of new instruments for the upcoming July 15, 2022 M1 Mooring turn. (Week 21)
- Working with Jared F. to complete the new M1 Mooring (July 15, 2022 deployment date). (Week 22)
- Data is flowing on coredata8 and Jared is working on some instrument issues. (Week 22)
- Kevin, have you set up the SSDS instrument list for the new deployment yet? (Week 22)
- Working with Jared F. on upcoming M1 202207 turn (July 15th, 2022) deployment. (Week 23)
- Working with Jared and Kevin G. to test and prep the new M1 turn which is currently scheduled for July 15, 2022. (Week 24)
- Working with Jared to test and prepare the M1-Mooring for a turn in mid-July. (Week 26)
- Assisted Francisco with updating OA1 and OA2 email lists for daily and hourly updates. (Week 26)
- Preparation and support of July 5, 2022 M1 Mooring turn. (Week 27)
- This is the week (hopefully). This Friday is the M1-Mooring Turn for 2022. (Week 28)

- Had begun to look into OA2 data filters prior to emails but this may have been addressed first by Joe Gomez. I plan to chat with Joe before continuing on this issue. (Week 28)
- The majority of my time this week has been on the 202207 M1-turn. The new M1 mooring was deployed at noon on Monday, . Most instruments are up and functioning with the exception of the Metsys and two virtual instruments (gpsclock and Download stats). I have not been able to determine the source of their errors yet but have an email into Kent Headley requesting some possible historical knowledge. (Week 29)
- Standard weekly data verification checks. (Week 37)
- Spent a little time checking the M1 data downloads after encountering problems last week. (Week 39)
- Addressing weekly code checks and data download issues. (Week 41)
- General maintenance and data download checks. (Week 45)
- Performed weekly script checks and data downloads. (Week 49)

701147 - MARS O&M IV

701147.99 - MARS IV Node Upgrade

901009 - CANON

901101 - Seafloor Mapping

- The majority of my time this week has been looking into various SMDB (Ocean Imaging) issues listed under the project's Github page. (Week 3)
- Spent a bit of time this week meeting with Jenny P. and Mike M. I will be focusing on various web page related issues and requests by Jenny. (Week 5)
- Continued to work on various issues and requests for the SMDB dashboard. I hope to push my updates out to the group soon. (Week 6)
- Continue to address project SMDB web issues brought forward by team members. I am currently implementing some of these requests into my own local development server. (Week 7)
- Looking to see if there is a way to add GMRT (high resolution 100m grid) bathymetry maps to the SMDB basemap for further ZOOM capabilities. (Week 7)
- I have had to wait to test many of my changes on the actual server due to Titan being down for various upgrade reasons. (Week 7)
- Still addressing the project "issues" list checking into higher resolution maps for Jenny P. (Week 8)
- Spent a lot of time looking into how to upgrade the current SMDB UI similar to the Dash UI developed by Carlos. Many of the aspects of the Dash UI followed closely to what the scientists would like to see. (Week 9)
- Looking into Vue, Vue2-leaflet and Quasar as some possible directions to integrate into the SMDB Dash UI especially for Dash map leaflet controls and displays (dropdown requests between expeditions, etc) and map views. (Week 9)
- Continue to update SMDB Dash UI using Bootstrap with Leaflet. I am working through listed requests and issues on the Github SMDB web site. (Week 10)
- This week I have put in a lot of time on the SMDB Dash UI updates. I looked over various uses of the Vue/Quasar apps similar to Carlos' Dash UI. Mike and I discussed shifting but, based on time, decided to continue with the Bootstrap with leaflet path that we initially started with. I hope to create an SMDB test dash using Vue and Quasar in my non-project time instead. (Week 11)
- Continued updating the new SMDB Dash UI. (Week 12)
- Spent a lot of time updating and adding functionality to the SMDB Dash UI this past week. I was able to add leaflet measure, scale, mouse position, zoom, layer toggling of various maps including Google and ESRI options. Currently working to show tooltips (layer properties) in a more human readable format for users (putting on my regex hat after not using it for a while!). (Week 13)
- Spent most of this week working on various UI updates for the SMDB Dash. (Week 15)

- Shifting my attention to a good Leaflet Sidebar for the SMDB Dash. I am currently working to create and extend a new leaflet-proSidebar for use with the Dash. I am hoping to have a good working option this week. (Week 16)
- I have been focusing quite a bit lately on updates and enhancements to the SMDB Dash. I met yesterday with both Jenny and Mike M. to discuss my current progress and to get information on focusing on issues that they both would like to see with SMDB Dash once completed. Overall it was a very helpful meeting for my design and inclusion purposes. (Week 17)
- Ran into some issues trying to move my code updates into the main repo for SMDB this week. I have been working with Mike to try and determine what the issue on my local development system not working correctly. Today, I decided to completely rebuild the system from scratch. I am still having a few issues but hope to get it all up and running this week. (Week 18)
- Dealt with some very frustrating issues merging and checking in code to VS Code this past week. I was able to submit a pull request for my UI changes to Mike M. earlier this week and hope the updates will be included in the next merge. (Week 21)
- Worked a lot on the SMDB Dash UI the last few weeks. I have submitted several pull requests to update the master branch with changes. (Week 22)
- Still having some issues with determining the active layer ID with groupedLayers in Leaflet. (Week 22)
- Mike has been out sick the last week but I hope he will be able to test and integrate the changes this week. (Week 22)
- Adjusting some code to work with Mike M's updateMap() method. The addition of the Leaflet-Geoman geometry menu tool does not currently work with it. (Week 23)
- Fixed some merge bugs in my code so that it now works with Mike's production env on smdb.shore.mbari.org. Mike was then able to merge many of my recent changes into the master code. I am spending a little time testing those changes to make sure that they work the way they are intended. (Week 24)
- The new link for the SMDB is now active on the Canyon head and the site is here. (Week 26)
- Spent a lot of time this week fixing HTML viewing issues of the SMDB site for Jenny and editing text with updated information. I was also able to set up the GMRT Masked and Unmasked basemaps (~30m res) for the SMDB site as well. As Mike is on vacation, some of these changes will have to await his return to be properly merged into the master code set. (Week 26)
- Added both masked and unmasked High Resolution GMRT Basemaps to the SMDB. My updates are awaiting a merge from Mike McCann when he returns. (Week 27)
- This week I had to chase down why the ESRI Vector Map Layers are not displaying on the SMDB. Selenium tests indicate that it is related to an esri-leaflet-vector code update. The issue is listed here: <https://github.com/Esri/esri-leaflet-vector/issues/134> (Week 28)
- To allow the map to be viewed by users until a fix can be applied by the code engineer(s), I have reverted from Vector Layers to older, deprecated BaseMapLayers. (Week 28)
- I have a request out to Mike M. (currently on vacation) to perform a merge when possible or allow me to merge code while he is away. (Week 28)
- Continued building the SMDB UI for the team. (Week 29)
- Deployed improved SMDB tracks as viewed on the Google Hybrid Basemap Layer. (Week 35)
- Circling back to try and set up a working SMDB sidebar for the project page. (Week 35)
- Continue to work on the new SMDB sidebar. I have had some success combining code from two other sidebar examples given the requests by the science team. I will need to go over with Mike on how I can generally access the mission data information from the GUI for it to be effective. (Week 37)
- Continued with the SMDB sidebar working to populate it based on map views and user settings. Spoke with Mike M. on using Django and python to filter out requests from the backend code to do this. (Week 39)
- Continue to put a bit of time into the SMDB sidebar. I have had some issues with writing python data filters for the sidebar but plan to meet with Mike M. this week to discuss how to get my ideas for the sidebar working. (Week 41)

901602 - Data TAG

901915 - Improving the Impact of MBARI's Data

- Spent some time looking at the new MBARI webpage and began edits to the Seafloor Mapping page. (Week 39)
- Attended a meeting via ZOOM on the M1 web page update for the new institute web page. (Week 39)
- I have begun making edits to the Seafloor Mapping page on the new MBARI. I am waiting to hear back from Jenny P. on the page's main image (she is currently on vacation). (Week 41)
- Still working on new MBARI web pages for the Data section. (Week 45)
- I have completed the Seafloor Mapping site, finalizing parts of the krill hotspots and Nsupply pages, and will try and finish the Global modes for Monique this week. (Week 45)

902009 - AUV UI

- Adding this project to my list of projects for this year - Kevin can you permanently add? (Week 21)
- Built the MBARI LRAUV-dash2 code from the Sumo Creations Git repository. Most everything built easily (a few exceptions) and I had the system up and testing in 20 minutes. I spent some time on Slack chatting with Jim Jeffers of Sumo Creations this week as well. We are scheduling a ZOOM Meeting for next week (after the holiday) to go over the code, build and any other issues that I may be of help to them with including some react JS edits. (Week 21)
- Meeting up with Jim Jeffers this Thursday on ZOOM.. (Week 22)
- I have already built the Github MBARI UI code using the notes from Sumo Creations. (Week 22)
- Jim and I will be discussing accuracy of the build notes and where I can begin to help with the project. (Week 22)
- Will be working with Carlos to create a complete list of REST API calls for the new @mbari/api-client package and have responses typed based upon the lrauv-dash API calls. I hope to chat with Carlos this week or early next. (Week 23)
- Need to speak with Carlos regarding typing API calls from lrauv2 to the new tethys dash that Sumo Creations is currently building. Hope to meet with Carlos tomorrow. (Week 24)
- Just received a notice that there will be an AUV meeting this coming . (Week 24)
- Attended a 2hr meeting to discuss questions that SUMO creations had regarding the new LRAUV UI. (Week 26)
- I was assigned various tasks to help Sumo Creations and will try to address them this week. (Week 27)
- Will review code assignments. (Week 28)
- Need to spend some more time on this later this week. (Week 39)
- I was unable to attend a meeting held last week with the team regarding the project. I plan to refocus my time on various methods and code to help the team next week. (Week 41)
- Began looking over the code again. (Week 49)

902012 - Telepresence on MBARI Research Vessels

- Had a meeting with Kevin G. this AM regarding how telepresence is supported in the precruise web forms. (Week 27)

902202 - MBARI Cloud Integration Exploration

Out of Office

- Vacation: December 22, 2021 - January 4, 2022. May extend this to spend some more vacation time with my daughter.
- Vacation:

- Taking my laptop to an AppleCare Genius Bar Friday afternoon to fix an internal retina screen display crack issue. They may need the laptop throughout the weekend. I am unsure how long the fix will take at this time. Happily, the laptop is still covered for this fix through Apple Care. The lack of the computer main monitor has been somewhat disruptive to my work but I am able to still do my work though my monitor at home.
- Vacation: March 17-18, 2022.
- April 4-8, Vacation
- Spent last week on vacation (daughter's Spring Break).
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- Friday, May 27, 2022 and Monday, May 30, 2022 - Vacation for Memorial Holiday
- Also, Doug was exposed to one MBARI employee that came down with COVID this past week. As a result, we are all staying off-campus until tested. We are hopeful it will not interrupt our holiday weekend.
- Planning vacation: June 16, June 20-24.
- Took yesterday off as vacation to spend time with my family.
- Vacation: August 4-5; family visiting from out of town.
- Personal Day: October 20.
- Vacation: October 19-20, 2022
- Vacation: November 8-11, 2022

Out of Office - Feb 13-24: vacation/father's estate finalizations.

Out of Office - on Bereavement Leave.

Overhead

- Involved in discussions with DMO and VL on the MiniROV data ingest to EXPD. Kevin G. will call a meeting with all when he is available. (Week 3)
- Reviewing internal documentation written last summer by Rich regarding how to add MiniROV and various potential Ships of Opportunity (Platforms) to the EXPD. A meeting this Friday is planned for the VL and those of us in Software Engineering that deal with the EXPD to go over proper steps to smooth this process out. (Week 5)
- Met with the SWE group to discuss various data discrepancies and processing within the EXPD over the years. Looking at records from the early 2000's show quite a few dives that have been blocked for nightly loads due to various issues. I have been assigned to start looking into the reasons for these data failures and hopefully bring them to a conclusion of how to integrate them into the EXPD. (Week 6)
- Met with the Video Lab (VL) and SWE group related to the uploading and nightly processing of the miniROV data, especially on non-MBARI ships. The meeting helped to clarify the steps of communication between the ROV operators, the Video Lab and myself on properly transferring and uploading the data and searching for the data via the postcruise. (Week 6)
- I spent a bit of time following up from the VL discussion on the miniROV dives and worked with Lonny to add three non-MBARI ships to the postcruise search list, add their expeditionID and establish miniROV dives to those expeditions. (Week 6)
- Continue to help with integration of miniROV dives and expedition ships into the EXPD for ITD. (Week 7)
- Staff Survey (Week 7)
- Still working with Lonny in the VL to make sure that the miniROV dives on non-MBARI ships are all ingested properly into the EXPD. (Week 8)
- Short week due to a holiday this Monday. (Week 8)
- Had my laptop fixed by Apple and got my computer back on Tuesday. (Week 8)
- Chatted with Chris W regarding the OA1 Mooring Maintenance at Hopkins Mooring site. The maintenance cruise is now scheduled for tomorrow (3/3). If successful, I will then restart the OA1 downloads. (Week 9)
- Looking into various dives that were blocked or not able to load into EXPD for Video Lab. Still investigating. (Week 9)

- Met with Carlos R., Mike M., Kevin B., Duane E., to discuss Carlos's great work on his Tethys Dash UI using Vue and Quasar. Carlos demoed the UI to illustrate how Vue and Quasar work very well together to build his Dash. I have been considering incorporating various aspects of his UI into the SMDB Dash UI as well. (Week 10)
- Began designing a test SMDB Dash using Vue and Quasar. I am also starting to look into React.js as that may be something I will need to be familiar with for other various projects. (Week 11)
- DEI ZOOM meeting last Thursday. (Week 13)
- Continue to look into the various missions on the EXPD that Rich flagged as those that will not load and blocked. (Week 13)
- Looking into React JS for upcoming new Tethys Dash UI support as well as Vue and Quasar for other future UI architecture. (Week 13)
- Met with Jim Jeffers and the new Tethys Dash team on Zoom meeting today. Jim and I will connect after the week of April 4-8. (Week 13)
- Looking forward to chatting with Jim Jeffers for the new LRAUV dash. (Week 15)
- Attended (via ZOOM) the candidate interview/presentation for the SeaFloor processes position. (Week 17)
- Helped various users with their repo accounts and access this week. (Week 17)
- Spent time this week helping various users with the CVS repo - forgotten passwords (Week 21)
- Had several desktop computer update issues that got ironed out thankfully. (Week 21)
- Spent some time better understanding various git commands and controls. (Week 21)
- Looking into various dive numbers in the EXPD that are not being used for IS purposes. Trying to determine why Rich would have blocked them from loading. Just started investigating some of these. (Week 22)
- Planning to checkout Ansible. I watched the video online - just need to implement. (Week 22)
- Spent some time working with Git command line calls this week. (Week 23)
- Also, looking at ReactJS. (Week 23)
- Took an online training course. (Week 26)
- Began looking at old EXPD dives that were removed from processing over the years to understand why this had been done. (Week 26)
- 10 days of Well-full-ness via MBARI. (Week 27)
- Going through tons of emails from the last week after taking a few days off. (Week 37)
- Helped Sara Arguilla with updating MBARI web links on the precruise. With the new MBARI web page coming on line, most of the links on the precruise were old and needed to be updated. (Week 39)
- Trying to determine a tunneling issue into kahuna (SVN Repo) using the SmartSVN client with Peter Walker (Week 41)
- Updated logistics coordinators to Sara A. and Ian L. while Matt S. will be out of this and at the beginning of next week. Also updated the precruise web form landing page to reflect that Sara and Ian should be contacted from October 13-17, 2022 until Matt has returned. (Week 41)
- Helped Sara A. update various links on the precruise web form that will link to the new MBARI web pages. (Week 41)
- I have begun getting quotes for the annual software license maintenance renewals that I am responsible for including Aldec, Matlab (not due until Dec. 2023), and MathCad. (Week 41)
- Submitted the first license maintenance and renewal PO for 2023 (Aldec). I need to produce one more PO for the floating Mathcad license. Matlab is no longer on my to-do list. (Week 45)
- Back in the office following my father's passing. Spent way too much time reading and deleting 100s of emails..... (Week 49)

Overhead -

Overhead - Discussing Matlab changes and updates with Todd's new deal with Mathworks. This new site-wide Matlab license is really good news for the institute. Existing individual licenses for Engineering will still be valid until Dec. 31, 2023. This time though will be very useful for the overall transition to the new site-wide license as there may be issues (in the details) over the next year of transition.