

Kevin Gomes

Week 52

- 200105 - Core Nav - MDUC
- 300057 - Mooring Maintenance
- 300058 - DMO Support Western Flyer
- 300062 - DMO Support Doc Ricketts
- 300070 - DMO Support Ventana
- 300079 - DMO Support Rachel Carson
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
- Out of Office
 - Out sick

Week 51

- 200105 - Core Nav - MDUC
- 300057 - Mooring Maintenance
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 - Out sick

Week 50

- 200105 - Core Nav - MDUC
- 300057 - Mooring Maintenance
- 300058 - DMO Support Western Flyer
 - Dataprobe bug fix seems to have fixed the GLL fix problem when rolling over GMT midnight.
- 300062 - DMO Support Doc Ricketts
- 300070 - DMO Support Ventana
 - A small amount of support and meetings while the Greensea engineers are here upgrading the control computers for Ventana
 - Found the NAS for backing up GSS log files failed and have ordered a replacement. Not due until around Christmas, but drives look to still be intact (as far as we can tell).
- 300079 - DMO Support Rachel Carson

- Working on a bug fix for ArcMapNav that is consuming almost all my time. It uses very old framework (.NET 3.5) which needs ArcGIS <= 10.3 and the ArcObjects SDK <= 10.3 which I can't even find anymore. Very frustrating.
- 901009 - CANON
 - Support for normal ODSS maintenance
- 901502 - Passive Acoustic Sensing
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- Overhead
 - Flail with the notification of the Log4J bug which does impact us, but does not appear to have caused any problems yet. We are working with IS to try to go through all our systems to find where impacts and holes might be and it's painstaking.
 - End of year budget stuff
 - Did a broad re-factor of the hours for some of the engineers in my group to fold in changes that have taken place with project and staff leading up to 2022.
 - Tried to organize a group lunch, but the CA mask mandate put the brakes on that.
 - Lots of IS requests, DNS, statics IPs, CentOS 8 retirements, etc. etc.
- Out of Office

Week 49

- 200105 - Core Nav - MDUC
 - Moved simulator from Rich's office to mine
 - Was able to fix (not sure how) the Windows update problem
- 300057 - Mooring Maintenance
- 300058 - DMO Support Western Flyer
 - Different bug surfaced for GLL age in Dataprobe. Fix implemented, tested and deployed on Flyer
 - Updating docs for Navproc/Datamanager/Dataprobe
- 300062 - DMO Support Doc Ricketts
- 300070 - DMO Support Ventana
- 300079 - DMO Support Rachel Carson
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 - Working on Slack as an authentication mechanism. Firebase doesn't support Slack as a provider so not sure I will use Firebase, might use Slack directly.
- Overhead
 - Working through Figma tutorials to see if it's worth using to mockup UIs for ODSS, Telepresence, ESP, Data Catalog, etc.
 - Weekly meeting with Todd
 - Finalized hours re-work for 2022 based on recent changes. Running up the chain before having Mandy put in the spreadsheet and send out to everyone impacted.
 - End of year purchase/budgets
 - Meeting with SMD to discuss Telemetry upgrade on Doc Ricketts
- Out of Office
 - 12/9 Vacation - Volunteer at Tech Fest day at Bay View Academy

Week 48

- 200105 - Core Nav - MDUC
- 300057 - Mooring Maintenance
- 300058 - DMO Support Western Flyer
- 300062 - DMO Support Doc Ricketts
 - More dataprobe updates. Changed dataprobe so that it reads the font size from the JSON config and sizes everything based on that. Also fixed one bug and implemented improvements requested by pilots
- 300070 - DMO Support Ventana
- 300079 - DMO Support Rachel Carson
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
 - Starting work on VueJS based application (Auth through Slack, Zoom meeting and integration of Eric's services)
- Overhead
 - EOY budgets
 - Labor hours shuffling
- Out of Office
 - 12/9 Vacation - Volunteer at Tech Fest day at Bay View Academy

Week 47

- 200105 - Core Nav - MDUC
- 300057 - Mooring Maintenance
- 300058 - DMO Support Western Flyer
- 300062 - DMO Support Doc Ricketts
- 300070 - DMO Support Ventana
- 300079 - DMO Support Rachel Carson
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
- Out of Office
 - 11/22-26 Vacation
 - 12/9 Vacation - Volunteer at Tech Fest day at Bay View Academy

Week 46

- 200105 - Core Nav - MDUC
- 300057 - Mooring Maintenance
 - Changed SSDS entries to reflect newly deployed GPS, updated time frames and metadata to reflect things correctly and migrated data from the old GPS to the new in the database so it is correctly aligned with deployment dates. Changes have migrated through to here:
http://dods.mbari.org/data/ssdsdata/deployments/m1/current_gcPlots.html
- 300058 - DMO Support Western Flyer
 - Working on some changes at the request of the Ricketts pilots for changes to Dataprobe and will deploy changes this week
- 300062 - DMO Support Doc Ricketts

- 300070 - DMO Support Ventana
 - Dataprobe support for new version
- 300079 - DMO Support Rachel Carson
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
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- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
 - Small bug fixes for RabbitMQ data publishing from both ships
 - Ramping up on VueJS 3 for telepresence work.
- Overhead
 - Labor spreadsheet to level things for planning for this year and next
 - Getting new laptop set up and migrating from old
 - Weekly meeting with Todd
 - IS Hiring committee review
 - Meeting with Visceral (external web refresh vendor)
- Out of Office
 - 11/22-26 Vacation
 - 12/9 Vacation - Volunteer at Tech Fest day at Bay View Academy

Week 45

- 200105 - Core Nav - MDUC
 - Deployed new version of Dataprobe to both ships (and updated after bug found)
- 300057 - Mooring Maintenance
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- 300062 - DMO Support Doc Ricketts
- 300070 - DMO Support Ventana
- 300079 - DMO Support Rachel Carson
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 - Implemented a script that pulls all datamanager items, packages them up as compact JSON and publishes them to RabbitMQ every 2 minutes. Deployed on both ships to create data pathways for viewing the data in the telepresence web app.
- Overhead
- Out of Office
 - 11/22-26 Vacation
 - 12/9 Vacation - Volunteer at Tech Fest day at Bay View Academy

Week 44

- 300057 - Mooring Maintenance
 - Some small troubleshooting with the GPS
- 901009 - CANON
 - Had IS finally remove the old Normandy (CentOS 6)
 - Troubleshooting for CPF positions on the ODSS.
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact

- 902100 - Telepresence on MBARI Research Vessels
 - Starting to work on script to extract data from Datamanager on ships and push back to shore so we can integrate data feeds into application.
- Overhead
 - Normal group lead overhead
 - Finalizing Dataprobe changes and deployment on both ships. Documenting changes too.
 - Some small help with Greensea system on Carson.
- Out of Office
 - 11/22-26 Vacation
 - 12/9 Vacation - Volunteer at Tech Fest day at Bay View Academy

Week 43

- 300057 - Mooring Maintenance
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
- Out of Office

Week 42

- 300057 - Mooring Maintenance
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
 - Looking into ERDDAP as mechanism to wrap access to timeseries DBs
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Trying to wrap up SE Hiring Process
 - Spent almost all my time updating Dataprobe to support 4K camera deployment
- Out of Office

Week 41

- 300057 - Mooring Maintenance
 - M1 Downloads seem to be struggling, I offered small amount of help
- 901009 - CANON
 - Migrated all Danelle's ERDDAP subsetting and mapfile update scripts to a Docker container and deployed both on normandy8 and on odss-testu. That should be the last piece so I shutdown the original normandy (CentOS 6) machine and will leave it dark for a bit to see if anything breaks. Next steps are to re-migrate normandy8 to an Ubuntu box and then upgrade zuma and malibu on Carson and Flyer respectively.
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
 - Went over items with Eric M to discuss ideas for a prototype.
- Overhead

- Working on changes to logging and Dataprobe to support 4K camera deployment coming up on the WF/Ricketts.
- Out of Office
 - 10/4-10/6: Vacation

Week 40

- 300057 - Mooring Maintenance
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - SE Hiring Process
 - Assisted with testing new Ubuntu based Greensea servers that are scheduled to replace the current Ventana control system machines.
 - Working on upgrades to various software systems to support 4K camera deployment.
- Out of Office
 - 10/4-10/6: Vacation

Week 39

- 300057 - Mooring Maintenance
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Hiring process
 - AWS Grant Proposal Writing
 - Working on preparation for testing of new servers on the Carson for the Greensea upgrade
 - Starting work to add temperature logging and tests in Data Probe to prepare for 4K camera deployment.
- Out of Office

Week 38

- 300057 - Mooring Maintenance
- 901009 - CANON
 - Migrating last scripts from normandy to normandy8/odss-test so we can shut down normandy
 - Small fix for Dorado tracking data that was not making it's way into the ODSS. Need to come up with RabbitMQ monitor that will notify when queues backup.
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Working on phase 2 proposal for AWS Imagine Grant
 - Met with Todd and Joe regarding next steps for AWS account/organization structure and am scheduling follow up discussions with AWS experts on connecting our Active Directory to AWS SSO
 - Attended part of the diversity training that George scheduled

- More work on SE Hiring process
- Configured Greensea servers to match previous account configuration and so they would match accounts in the rest of the control room. Sent documented steps to GreenSea for review. This is in preparation for onboard testing of new servers on 10/1.
- Met with consultants regarding the export/ITAR restrictions and license for software
- Met with company Fivetran about their commercial ETL product for loading data sets to cloud data warehouses.
- Met with Visceral (web refresh contractor) to discuss 'data catalog' and search concepts.
- Out of Office

Week 37

- 300057 - Mooring Maintenance
- 901009 - CANON
 - Small amount of ODSS/tracking DB support
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - SE Hiring Process
 - Quarterly Check In Meetings with Group
 - Various Overhead Tasks
 - Coordinated AWS Immersion Day which was great
 - Follow up on tasks from Immersion Day. Also got \$2,000 in credits from AWS for SageMaker.
 - AWS Imagine Grant discussion
 - Looking at logs for normandy, pismo, and data to see if any pre-TLS 1.2 requests might be needed
- Out of Office

Week 36

- 300057 - Mooring Maintenance
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Phase 2 responses, review, resource leveling
 - Reviewed 2022 group budget
 - SE Hire overhead planning for interviews starting next week
 - Prep for AWS immersion day (training on account management tools)
 - Help configuring new Greensea servers that will eventually replace machines on Carson
 - Verify navproc/datamanager/logging/dataprobe on Carson after Ventana reconnection
 - Tiny assist with navproc/datamanager stuff on Flyer
 - Met with Visceral who is the contractor for the web refresh project and had kickoff meeting
 - Reviewed Docker Desktop terms to understand why they are charging and how that changes for the MBARI team
- Out of Office

Week 35

- 300057 - Mooring Maintenance

- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
- Out of Office

Week 34

- 300057 - Mooring Maintenance
 - Troubleshooting data outage from M1 after system patching
- 901009 - CANON
 - Helped troubleshoot AIS feed
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Vacation
 - Proposal responses and helping answer questions
 - Other management activities
 - Meetings with AWS
 - Hiring committee progress
 - Submitted DQ for AWS Imagine Grant
- Out of Office

Week 33

- 300057 - Mooring Maintenance
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
- Out of Office

Week 32

- 300057 - Mooring Maintenance
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
- Out of Office

Week 31

- 300057 - Mooring Maintenance
- 901009 - CANON

- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Proposal review and resource leveling
 - Hiring committee and meeting for SE hire
 - Meetings regarding web refresh RFP response
 - Met with Fugro
 - Met with Yui regarding Access/databases
 - Prep for meeting with AWS to start work on phase II proposal
 - Met with group to discuss proposals
 - Supporting ESP deployments for Eddie, Friday, Gordon and Waldo. Fix bug in database schema that was preventing ancillary data from being loaded into the web portal
 - Assist with AWS permissions stuff
 - Worked with IS over the weekend to get the server elvis back up and running (don't think it survived some patching)
- Out of Office

Week 30

- 300057 - Mooring Maintenance
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
 - Working through data lake stacks and working on matrix of cloud <-> open source <-> MBARI architectures related to data analytics
 - Preparing for project kickoff
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - More proposal reading
 - Meetings to talk about 3 proposals for web refresh
 - Hiring committee work
- Out of Office

Week 29

- 300057 - Mooring Maintenance
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Reading, reading, reading proposals
 - Resource balancing meetings
- Out of Office

Week 28

- 300057 - Mooring Maintenance
 - Proposal input

- 901009 - CANON
 - Proposal input
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
 - Proposal writing
- 901915 - Improving MBARI Data Impact
 - Proposal writing
- 902100 - Telepresence on MBARI Research Vessels
 - Proposal input
 - Started to look at shipping data back to shore
- Overhead
 - Group budget
 - Group meeting
 - Starting to review proposals from external vendors for web site refresh
 - Helped with getting spare navproc installed and running on Carson
 - Weekly call with Todd Ruston
 - Edited drawing numbers application to add new ESP member
 - Set up ESP portal to monitor deployments of ESP Gordon and Waldo in Montana
 - Some help with ClickUp stuff and upgraded account to business account
 - Cleaned up JIRA users to lower costs
 - Reviewed and edited some Slack user accounts per a request from Slack
 - Spent some time with ShirtPocket tech support to troubleshoot problems with my SuperDuper backups. They were great and helped me resolve this issue by telling SuperDuper to ignore Mac search indexes.
- Out of Office

Week 27

- 300057 - Mooring Maintenance
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
- Out of Office
 - June 21-25: Vacation

Week 26

- 300057 - Mooring Maintenance
 - Some light troubleshooting
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
 - Starting proposal
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - AWS Imagine Grant Proposal
 - Group Meetings
 - Wrapping up my time with Rich (MARS docs)
 - Group budget work

- Some Slack support
- Out of Office
 - June 21-25: Vacation

Week 25

- 300057 - Mooring Maintenance
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
- Out of Office
 - June 21-25: Vacation

Week 24

- 300057 - Mooring Maintenance
 - Mooring turn was monday. Went well despite the 150m inductive CTD failing. Data products are processing and available here:
http://dods.mbari.org/data/ssdsdata/deployments/m1/current_qcPlots.html
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
 - Started drafting up docs to catalog data collection systems at MBARI
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Working with others to decide if we will apply for AWS grant for non-profits
 - Office(s) cleanout to prep for more time on site
 - Troubleshooting some data logger issues on the Carson
 - Spent time on Flyer doing walkthrough with Rich and getting feedback from pilots. Will be deploying upgrade to Dataprobe in coming months (also small fix to DiveLog will be deployed)
 - Met with vendor who will be submitting a proposal for web site re-design to answer questions they had
 - Helped Diana get set up in her office and met in person(!). Did a walkthrough of the facilities.
- Out of Office
 - June 21-25: Vacation

Week 23

- 300057 - Mooring Maintenance
 - Got all the SSDS side of things ready for next week's mooring turn. Moving documentation from Confluence to our docs.mbari.org structure as I'm going through it. Test data can be found here:
http://dods.mbari.org/data/ssdsdata/deployments/m1test/current_qcPlots.html
 - Small amount of meetings around this
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
 - Just now getting back to this. Starting to research architectures that will meet requirements both on cloud and on-prem.
 - Researching AWS Data Analytics

- 902100 - Telepresence on MBARI Research Vessels
 - Looking over messages options to get data into pipeline back to shore.
 - Looking at WebEx SDKs
- Overhead
 - Meetings with Rich
 - Assisted DJ and Mike B with testing the Novatel GPS on the Carson and with the NAS they have for storing Greenseas log files.
 - Ran science data processing for AUV mission at end of last week.
 - Getting COVID ducks in a row to get on the Flyer to start documenting existing structure and test Rich's new XOJO-based DataProbe for the Flyer - thanks Rich!!!
 - Starting discussions for cloud exploration proposal along with looking into AWS non-profit grant that MBARI could apply for.
 - Check in meetings with group (cannot believe it's JUNE!)
 - Slack support for various requests
 - Meetings to assist with RFP for web refresh, will start meeting with possible vendors next week
 - Attended seminar on the deep water horizon which was really, really interesting.
 - Cloud budget monitoring
- Out of Office
 - June 21-25: Vacation

Week 22

- 300057 - Mooring Maintenance
 - Setting up the SSDS processing for the test deployment for pre-M1 turn
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
 - Uploaded all the images for the visual browsing to AWS S3 to test performance gains with S3 hosting and CloudFront. While CloudFront provided remarkable speed improvements for repeated requests, we don't see that as a normal use case so will continue to host visual browsing for soundscape at MBARI.
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Starting discussion about cloud exploration proposal
 - Reviewed RFP document for web re-design and attended a meeting to finalize by Friday.
 - Working on various Carson odds and ends
 - More work transferring Rich work/knowledge through meetings
 - Meeting with Todd R to discuss managing external service accounts and broader context of how to handle our interactions with external services, security and intellectual property rights.
 - With a lot of help from Cindy, getting Diana's office set up and ready for her return to work
 - Yet more meetings to discuss the fate of aircraft engine parts.
- Out of Office
 - June 21-25: Vacation

Week 21

- 300057 - Mooring Maintenance
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
 - Deployed 'Visual Browsing' website to Amazon S3 with web hosting and created a CloudFront distribution to test performance of the website in many parts of the world. CloudFront increases speed

dramatically, but only after an initial read which primes the cache (that is cleared after 24 hours). Does not really fit this use case so will continue to host at MBARI (for now).

- 901602 - Data TAG
 - Abstract review
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Abstract slides and presentation
 - More dealings with the Navy to decide the fate of the engine parts
- Out of Office
 - June 21-25: Vacation

Week 20

- 300057 - Mooring Maintenance
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
- Out of Office
 - May 12-24: Vacation - multiple graduations
 - June 21-25: Vacation

Week 19

- 300057 - Mooring Maintenance
- 901009 - CANON
 - Starting work on normandy replacement with Ubuntu machine
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
 - Investigating WebEx JavaScript SDK for client web app integration
- Overhead
 - Hiring
 - Abstracts
- Out of Office
 - May 12-24: Vacation - multiple graduations
 - June 21-25: Vacation

Week 18

- 300057 - Mooring Maintenance
- 901009 - CANON
 - A light amount of tidy up post experiment
 - Cut test machine over to Ubuntu, starting configuration of normandy replacement. Waiting on Atlas share work.
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels

- Picking up VueJS work again, looking at authentication and components
- Overhead
 - Group meeting
 - Met with Mike K to discuss Packard planning
 - Bug fixes and other for Carson/Navproc/Dataprobe related stuff
- Out of Office
 - Sick Leave Monday
 - May 12-24: Vacation
 - June 21-25: Vacation

Week 17

- 300057 - Mooring Maintenance
- 901009 - CANON
 - Experiment support
 - Cut over to the Ubuntu based ODSS on the test machine and will start planning for production and boat upgrades.
 - Support and troubleshooting for tracking database for glider for Yui
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Working on debugging issues with Navproc/Dataprobe/etc.
 - COVID test to shorten 14 day quarantine to 9.
 - Job description work and submission.
 - More work with Navy on aircraft engine report and parts decision. Took possession of parts for Chris Grech.
 - A little more work on CSS for EDNA graphic on website
 - Meeting with Mike Kelly to talk about planning for the David Packard
- Out of Office
 - Some sick leave Mon/Tue
 - May 12-24: Vacation
 - June 21-25: Vacation

Week 16

- 300057 - Mooring Maintenance
- 901009 - CANON
 - Support for experiment/ODSS
 - Helped Monique debug/fix layers on the ODSS
 - Revival of the WG acoustic tracking code
 - At the request of the LRAUV team, added a feature to the acoustic tracking code that will send an email/SMS if the waveglider loses acoustic tracking for 20 minutes
 - Finally got the Ubuntu version of the ODSS test server deployed at <https://odss-testu.shore.mbari.org>
 - It seems like the Ubuntu installation is very similar and seems to operate fine as compared to the CentOS8 version.
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead

- PE Hiring committee
- Working with group on job description
- Group meeting(s)
- Small amount of effort monitoring/tweaking navproc/datamanager/dataprobe stuff on Carson
- Weekly meeting with Todd R.
- Some follow up with Navy/sanctuary related to aircraft engine
- Out of Office
 - A couple days sick leave at the end of last week
 - May 12-24: Vacation
 - June 21-25: Vacation

Week 15

- 300057 - Mooring Maintenance
- 901009 - CANON
 - Troubleshooting some bugs that cropped up on the WF during CANON
 - General experiment support
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Support for first ROV dive on new navproc/datamanager/dataprobe
- Out of Office
 - April 7-14: Sick leave mostly. Trying to work some.
 - May 12-24: Vacation
 - June 21-25: Vacation

Week 14

- 300057 - Mooring Maintenance
 - Some troubleshooting for M1
 - Updated SSDS due to Metsys replacement at M1
- 901009 - CANON
 - Wrote script to publish WireWalker locations to the ODSS
 - Working on Geoserver and a layer for CANON experiment for WaveGlider sampling locations for John R.
 - Some LRAUV support for the CANON experiment
 - Other CANON related support
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Group meeting
 - Knowledge transfer with Rich (navproc/DM/MARS)
 - Meeting with Todd W to talk multimedia room stuff in new Bldg G.
 - Weekly meeting with Todd R
 - AWS Support
- Out of Office
 - April 7: Out of Office
 - May 12-24: Vacation

- June 21-25: Vacation

Week 13

- 300057 - Mooring Maintenance
- 901009 - CANON
 - Investigating creation of a GeoServer layer for John's sampling around the WaveGlider
 - Looking into script that can put wirewalker positions in the ODSS
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
 - Light prototyping for telepresence data to shore methods
- Overhead
 - Working with Mike Risi and Rich to get ready for new navproc, datamanager, logging, dataprobe cut over scheduled for tomorrow 4/1 on the Carson.
 - Group meetings
 - Engineering meeting
 - More quarterly group meetings
 - Starting job description for new hire
 - Working on PCO request to re-scope projects
- Out of Office
 - April 7: Out of Office
 - May 12-24: Vacation
 - June 21-25: Vacation

Week 12

- 300057 - Mooring Maintenance
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Main body of work has been getting ready for navproc and data probe deployment on Carson. We were set to do our first ROV deployment tomorrow (Thursday) but the dive was cancelled. That puts us in a bind to get any kind of test dive so we are looking to make the change over to the new navproc system on April 1 to make sure we have sufficient run time before Rich retires.
 - Holding quarterly meetings with my group members this week
 - Some AWS assistance
- Out of Office
 - May 12-24: Vacation
 - June 21-25: Vacation

Week 11

- 300057 - Mooring Maintenance
- 901009 - CANON
 - Starting work on migration of odss-test to Ubuntu again (web server, podman and systemctl config)
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact

- 902100 - Telepresence on MBARI Research Vessels
 - Since I was working remotely on the Carson, I jumped on the telepresence stuff to test it out and to help get a sense for when kind of web app would be useful.
- Overhead
 - Working with Rich and Mike Risi to do a full test of the new navproc, datamanager, logging, dataprobe stack of software and deployed on the Carson on Wed (3/17). Successful test, old system back online and we will work to make more changes and run down some strange bugs with serial ports. Goal is to deploy for real, possibly next week on a MARS ROV cruise.
 - Assisted Diana's start with our group
 - Aqua Data Studio purchase
 - ClickUp purchase
 - PyCharm purchase
 - One-on-one meeting
 - Working on LinkedIn Learning membership
 - Working on Matlab license
 - Group meeting mostly to discuss strategic roadmap
 - Gave my input on strategic roadmap
 - Small amount of AWS help on a couple of different fronts
 - Follow up from hosting joint meeting with WHOI/IS/SE-IE
 - Joe Gomez added links to our MkDocs driven documentation to the Canyon Head.
- Out of Office
 - May 12-24: Vacation
 - June 21-25: Vacation

Week 10

- 300057 - Mooring Maintenance
 - Troubleshooting some connectivity issues with NDBC. Turned out to be a service outage that is supposed to resolve today (3/10)
- 901009 - CANON
 - GraphQL API work
 - Trying to get moving again on odss migration to Ubuntu to address CentOS 6 migration issues.
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
 - Data catalog GraphQL API work
- 902100 - Telepresence on MBARI Research Vessels
 - Started to compile requirements in Google doc from documents reviewed to date.
- Overhead
 - Starting my role as third wheel/fly on the wall for the navproc/datamanager upgrade work that Mike Risi and Rich are doing.
 - Will try to meet Mike R on boat next week to observe his bring-up of test environment
 - Working on XOJO DataProbe to test on new NP/DM system
 - Met with Mike R to discuss NP/DM and future plans
 - Migrated more docs to se-ie-doc for MiniROV data processing
 - Started digging into MiniROV divelog XOJO app to make sure I can compile, run and build.
 - PE Interview
 - Joined (briefly) zoom meeting with Greensea to get an idea of status and plans for upgrade of control system servers and hardware
 - Briefly tuned in to meeting with Rich, Karen and Danelle re: mooring turn knowledge transfer.
 - LastPass trial with Group and IS that ends this Friday and will follow with discussion from their sales team on pricing

- Group meeting to discuss:
 - Welcome Diana!
 - Joe Gomez gave a demo of some Elasticsearch based monitoring software he has been working on for infrastructure monitoring that we might be able to leverage too.
 - Discussion about docs.mbari.org and suggestions
- Weekly meeting with Todd to discuss IS/SE IE topics
- Meeting with WHOI IT/App development groups tomorrow.
- Meeting with Aquafold Sales to discuss group/non-profit licensing for Aqua Data Studio and did not get very far. Probably will just manage individual licenses as needed for now.
- Got Lonny set up in AWS with proper permissions and access ID and secret key for VAA work.
- Out of Office
 - May 12-24: Vacation
 - June 21-25: Vacation

Week 9

- 300057 - Mooring Maintenance
- 901009 - CANON
 - Some ODSS troubleshooting and tracking verification for Carson
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
 - Starting work again (finally!) on the data catalog
 - Moved first couple of components of catalog to Docker and new MkDocs format
 - Converting API to GraphQL before moving on to other components
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Working with Rich on transitioning more systems
 - Weekly call with Todd to talk IS/SE-IE stuff
 - Finished script and runs for image extraction and watermarking for Jenny P for rock samples going to American Museum of Natural History
 - Scheduled meeting with WHOI IT/App dev group (SE-IE and IS involved)
 - Group meeting
 - Some AWS management overhead
 - Assisting with LastPass trial
 - Mkdocs site development and theme change to material
- Out of Office
 - May 12-24: Vacation
 - June 21-25: Vacation

Week 8

- 300057 - Mooring Maintenance
- 901009 - CANON
 - ODSS restarting and fixes after firewall replacement
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Coordinating meeting between my group, IS and WHOI IT/app dev
 - More transitioning work with Rich: MARS data management this time

- Finished framegrab extraction for Jenny
- Working on planning for LastPass evaluation for my group/MBARI
- PE Interview
- AWS cost management stuff
- Finished scheduling group touch point meeting for 2021
- Sat in on MHKDR data management to help Andy
- Out of Office
 - May 12-24: Vacation
 - June 21-25: Vacation

Week 7

- 300057 - Mooring Maintenance
 - Refactoring some documentation in the MkDocs format
- 901009 - CANON
 - Transitioning the grabUDPShipPositions.py scripts that are running on Western Flyer and Rachel Carson to me (from Rich) and updating documentation.
 - Short troubleshooting for ODSS on the Western Flyer after IS patches.
- 901502 - Passive Acoustic Sensing
 - Touched base with John to talk about enabling CloudFront on the AWS hosted visual browsing application to see if it improves spectrogram loading performance.
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Transitioning work with Rich
 - Met with Doug Conlin to get an account set up on Rich's surface so I could work on it.
 - Negotiated 50% cost savings on DockerHub
 - Worked with ClickUp to get non-profit pricing and testing it out per the recommendation of others who have worked with it.
 - Still working on framegrab extraction for Jenny and AMNH. Need to change the watermark and figure out why the overlay is dropping the metadata from the image.
 - Scheduled most of the check in meetings with my group.
 - Closing up performance reviews
 - Trying to coordinate follow up meeting with WHOI IT/App development for sharing knowledge
 - Working with Todd R to evaluate LastPass as a possible group password management tool.
 - PE Interview
- Out of Office
 - May 12-24: Vacation
 - June 21-25: Vacation

Week 6

- 300057 - Mooring Maintenance
- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
 - Researching Apache NiFi for workflow management (recommended by LLNL)
- 902100 - Telepresence on MBARI Research Vessels
- Overhead

- Developing script for Jenny P that walks through excel spreadsheet of the samples that were sent to the American Museum of Natural History and extracts the framegrabs, watermarks them so that they can be included in a data dump that is going to the AMNH.
- Succession planning
- Started a mkdocs site for SE IE documentation (focused on Rich transitioning). Added a couple of Rich's documents here:
 - <https://docs.mbari.org/internal/se-ie-doc/support-docs/history-tables/>
 - <https://docs.mbari.org/internal/se-ie-doc/support-docs/new-year-rollover/>
- Working with Rich to document and transition the new navproc datamanager logging software. Early version of the documentation can be found at <https://docs.mbari.org/internal/se-ie-doc/systems/navproc-datamanager/>
- Working with Rich to document and transition the DiveLog XOJO application(s). Transition documentation here: <https://docs.mbari.org/internal/se-ie-doc/systems/divelog/developers-guide/>
- Meetings for strategic roadmap planning
- Hiring committee stuff
- Performance review wrap up stuff
- Group meeting - Rich transition focus
- Got TWIC card renewed
- Out of Office
 - May 12-24: Vacation
 - June 21-25: Vacation

Week 5

- 300057 - Mooring Maintenance
- 901009 - CANON
 - Looking over Vue 3 docs to decide if ODSS should be moved to Vue 2 or 3.
 - Restarting work on moving odss-test to ubuntu as a trial for migrating the rest of ODSS server to ubuntu instead of CentOS
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
 - Meeting with Chris S and group leads to discuss connections with John Zicker and Dona Crawford to rekindle external collaboration and information sharing as well as looking for input on external ML/AI expertise
 - Meeting with Danelle and Duane to discuss next steps.
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
 - Read over all materials to get caught up since I've been working on other stuff.
- Overhead
 - Worked with Rich on transitioning more knowledge about the datamanager/logger systems on the boats (new version) as well as XOJO apps related to that effort.
 - Finished up performance reviews
 - Succession planning
 - Hiring committee
 - AWS assistance
- Out of Office
 - May 12-24: Vacation
 - June 21-25: Vacation

Week 4

- 300057 - Mooring Maintenance

- 901009 - CANON
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
 - Short discussion with group about goals for project
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Performance reviews
 - Transition and succession planning work
 - WHOI IT/App developer follow up
- Out of Office
 - May 12-24: Vacation
 - June 21-25: Vacation

Week 3

- 300057 - Mooring Maintenance
 - Some small amount of troubleshooting as the 50m CTD has stopped reporting
 - Some SSDS maintenance to help get some old plots working that had stopped updating.
- 901009 - CANON
 - Starting to work on ubuntu build of the ODSS on the test machine to see if we can make the leap to ubuntu now.
 - Trying to figure out if I can move away from the map downloading script that is the only thing running on old normandy and just point to the source WMS layers for remote sensing so we don't have to migrate script.
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
 - Starting discussions about next steps to engage LLNL, Dona Crawford and John Zicker
- 901915 - Improving MBARI Data Impact
 - Follow on work to SamplesDB discussion (more meetings needed)
 - Defining first data sets for catalog work
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Working on several things related to transitioning Rich's work and replacement progress
 - Performance reviews
 - PE Hiring committee overhead
 - Final report for the Navy for the work related to the aircraft engine research (report is due at end of January)
 - Weekly sync meeting with Todd R.
 - Supervisor's meeting
 - Engineering meeting
 - Responded to question about ERDDAP hosting at MBARI for GO-BGC project
- Out of Office
 - May 12-24: Vacation
 - June 21-25: Vacation

Week 2

- 300057 - Mooring Maintenance
- 901009 - CANON
 - Still working on ODSS migration finalization. Some map management scripts left to migrate

- Using the 2nd round of migration for odss-test to evaluate Ubuntu as possible server platform for MBARI moving forward
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
 - Discussions and meetings about SamplesDB and whether we can move it to a service while incorporating changes to support EDNA analysis (sub-samples)
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Performance review preparation
 - Succession planning
 - Picture a scientist movie and panel discussion
 - Group Meeting
 - Weekly IS-SEIE Meeting
 - ACM Webinar on large scale Time Series Databases
 - Applied for (and was granted) a non-profit annual credit of \$2000 for AWS costs that are now applied to the MBARI account.
 - Working on making final decision on Docker plan upgrade path
 - Helping with BitBucket and JIRA additions
- Out of Office
 - May 12-14: Vacation
 - June 21-25: Vacation

Week 1

- 300057 - Mooring Maintenance
- 901009 - CANON
 - Continuing on work to migrate ODSS servers
- 901502 - Passive Acoustic Sensing
- 901602 - Data TAG
- 901915 - Improving MBARI Data Impact
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
 - Cleaned up the weekly report and updated with all the proper projects for engineers so the weekly report is ready to go for 2021.
 - Created new report to organize individual reports by project (as well as by time)
 - Final run of 2020 reports and cut over to new 2021 reporting.
 - Starting to organize for performance reviews
 - Working with Rich on transitioning planning
 - Group meeting
 - Beginning of year project planning and group budget reporting
- Out of Office
 - May 12-14: Vacation
 - June 21-25: Vacation