

Kevin Gomes Sorted By Project

200105 - Core Navigation Data - MDUC

- Mike Risi and I have started discussing how best to think about planning for David Packard infrastructure work (Week 6)
- Rcnavproc1 had what appears to be a hardware failure so Mike Risi is rebuilding with spare (he cut over to the spare one already on board). (Week 7)
- Upgraded python scripts to run on python 3 as python 2 is deprecated. Working on corenav-sim, will deploy to rcnavproc1 and wfnavproc1 soon. (Week 7)
- Proposal discussions (Week 25)
- Meeting with Tika+ vendors for new ship (Week 25)
- Proposal work (Week 26)
- Proposal input for David Packard work for 2023 (Week 27)
- Diagram and writeup of existing data pathways on WF that need to be replicated on David Packard. (Week 33)
- Documented system on Western Flyer so we have it before it's gets decommissioned. (Week 38)
- Rigged up simulator to feed GPS data to DigiConnect to help with work to see if we can replace virtual serial ports on navproc. (Week 40)
- A little work on decommissioning (Week 41)
- Starting to dig into Qt to see if it's a viable replacement for Dataprobe, DiveLog, etc. (Week 42)
- Online course for Qt (Week 42)
- Documented all the current WF logger files to make sure we can replicate for the Packard and to help inform a meeting with SMD. (Week 42)
- Some research into Kongsberg data management system that may be delivered with the Packard and will have a large impact on navproc/logging/etc. (Week 44)
- More work on Qt as a possible solution for Dataprobe upgrade for new system on Packard. (Week 44)
- Troubleshooting some issues with Dataprobe that was seen on Ventana dive (Week 45)
- Reviewing documentation from David Packard contractor for data flow. (Week 45)
- Looking over documents from shipyard to look at data management on David Packard (Week 46)
- Working with Qt to learn capabilities (Week 46)
- Met with group to discuss networking and data management (Week 46)
- More diagrams related to the 'data distribution device' (Week 46)
- Reading up on 'data distribution bus' on Packard (Week 48)
- Reading up on '4DNavView' which will be Winfrog replacement (Week 48)
- Had IS wipe and reinstall the Microsoft surface using for boat support (Week 49)
- Digging into the Signal Distribution Box information for Packard (Week 49)
- Looking through example signal maps from previous vessel (Week 49)
- Resurrected simulator and rack after some strange software/OS hangs (Week 49)
- Spinning up Ubuntu and Windows Qt installs to build applications (Week 50)
- Weekly meeting about planning for kickoff. (Week 51)

300057 - Mooring Maintenance

- Some quick troubleshooting and deleting of lock file post server patching (Week 1)
- A little troubleshooting on message flow after Jared replaced the batteries on the SPOT on the mooring. (Week 2)
- Troubleshooting and repairing errors after microwave outage (Week 16)
- Updated SSDS to reflect CTD swap on 4/15 (Week 16)
- Working on SSDS configuration for upcoming M1 turn (Week 24)

- Changes to SSDS metadata for M1 test deployment and stitching together deployment to test all parts of the pipeline (Week 25)
- More work on cleaning up the M1 Test Deployment (deploying in July) (Week 26)
- More preparation for M1 turn happening this week. (Week 27)
- Everything looks to be in place (Week 27)
- Proposal input (Week 27)
- Last minute checks before M1 turn (Week 28)
- GPS data is flowing so things are looking solid (Week 28)
- Some SSDS side clean up for the new M1 mooring deployed Monday. (Week 29)
- Lots of time troubleshooting GPS related problems on the new M1 deployment (Week 29)
- More troubleshooting mooring data for GPS (Week 30)
- Jared replaced GPS and Metsys and we are back to normal operation (Week 30)
- A small bit of work around power outage that caused a computer to go down in the cupola (Week 39)

300058 - DMO Support - Western Flyer

- Getting back to ArcMap nav stuff. (Week 2)
- Small flail on the WF with regards to Navproc/datamanager/dataprobe which ended up being a disconnected cable on camera. (Week 5)
- Winfrog configuration change broke one test in Dataprobe. Fix is in the code, will try to deploy first thing in the AM before they depart. (Week 7)
- Familiarizing myself with telepresence systems on the Flyer (Week 27)
- Document data pathways with help from Bryan TS (Week 35)
- Discussions and planning for decommissioning coming up soon (Week 35)
- Documentation of systems in preparation for decommissioning (Week 37)
- More documentation in preparation for WF decommission (Week 39)

300062 - DMO Support - Doc Ricketts

- Met with pilots to discuss upgrade/bug fixes for DiveLog application (scoping for proposals) (Week 24)
- Scoping work for DiveLog app upgrade (Week 25)
- Review of UDP docs from SMD and logging comparison (Week 41)

300070 - DMO Support - Ventana

- Helping with GSS upgrades/machine issues as best I can remotely (Week 1)
- Troubleshooting the network configuration on Tigrillo (Week 2)
- Get new Network Attached Storage replacement up and running in my office and configured with drives from old NAS. All the data is still there and the configuration was mostly intact. Doing some last minute configuration before moving to the boat and setting static IP(s) (Week 2)
- Helping with touch screen issues when I can. (Week 2)
- Installed a new NAS to replace the failed system. Will finish configuration when bubinga get re-installed. (Week 7)
- Some support tasks for the Carson/Ventana as they prepare to re-integrate the vehicle and new winch. (Week 11)
- Some assistance to get GreenSeas access to Paduk to install the GSS software so I can try to rebuild Rich's logging app and deploy on bubinga (Week 16)
- Troubleshooting errors that showed up in DiveLog app when microwave was down (and on VSat) (Week 16)
- Looking into request for search on dive log app (Week 16)
- Starting to dig into code for GSS logging to be installed on new bubinga (Week 17)
- Starting to dig into Xojo code for Dive app (Week 17)
- A little help with the Focal problems they were having with Ventana (Week 19)
- Starting to scope work for an upgrade for the ROV DiveLog app for both ventana and Ricketts. (Week 19)

- Resurrected the custom logger for creating Greensea logs on demand and deployed on bubinga (tested on Paduk) (Week 24)
- Scoping work for DiveLog app upgrade (Week 25)
- Some logging support related to GreenSeas troubleshooting (Week 27)
- Met with Greensea folks several times to discuss Moxa configuration for INS. Changes to baud rate from INS to moxa to GSS seems to have really helped the INS work much better. Test dive showed best INS performance in quite some time. (Week 35)
- Greensea added a button on the pilot interface to allow the pilots to insert a 'tag' in the LCM data stream named 'GSS_PCOMMS_LOG_MARK' which can identify times when something was happening that should be investigated further. The log files can then be grepped for that particular tag and then played back in the GSS playback interface to examine vehicle state during this time. (Week 35)
- Some assistance with GSS logs and getting applicable logs to GSS for troubleshooting. (Week 37)
- Reviewing docs and getting demo version of 4DNavView up and running (winfrog replacement) (Week 49)
- While working with DJ on planning for Ventana work on shore while the ship is in the yard, created a bit of a red herring on Moxa configuration. Long story, but I thought they were configured incorrectly, but the GreenSea software overrides the configuration so the Moxa web application doesn't show the operational configuration. (Week 50)
- A bit of a flail with the Moxa's on the Carson ended happily as it was just a mistake on my part and everything was working fine and there was no core issue. (Week 51)

300079 - DMO Support - Rachel Carson

- Trying to get back to the ArcMap nav upgrade that I started before the holidays. Fix is in, I just need to get the build done so that it can be installed on both ships. (Week 2)
- Spinning up the ArcMapNav work again and trying to get the patched version deployed soon. (Week 3)
- Looking into touch screen issues on Carson (Week 3)
- Finalizing NAS config for deployment on Carson (probably during next maintenance period which is OK at the main machine that uses it is back at Stealth for RMA work). (Week 3)
- Microwave data link still down so we have no way to remotely support the ship currently. (Week 5)
- Finalized fixes in ArcMapNav to get upgrade deployed on Carson (then on Flyer when it returns) (Week 7)
- Documentation updates for the start/stop GSS logger (Week 25)
- Some dataprobe troubleshooting (turned out to be a 2nd instance running in the background) (Week 27)
- Meetings, etc. for microwave decommissioning and move to new VSat system. (Week 33)
- Testing of new VSat system (thanks Adriana for the huge amount of work!!!) (Week 40)
- Helping DJ with a spare Moxa while the boat will be in the shipyard (Week 48)

901009 - CANON

- Researching VueJS/Quasar/Vuetify/Slack logins for eventually ODSS upgrade/migration (Week 1)
- Not sure why, but the trackingdb httpd service does not survive restarts and IS patching kills the tracking DB REST interface that CeNCOOS uses. Had to restart it from inside the tracking-clients container. (Week 2)
- Was contacted by Sencha who makes the ExtJS framework that is used in the ODSS saying we were using their commercial version. Working on sorting this out so that we are sure to be using their open source version. (Week 11)
- Troubleshooting various data streams after network hiccup from microwave outage (Week 16)
- ODSS outage that was related to Atlas share access after OS patch. Found workaround, but still no understanding of why what was working before the patch stopped working after. Was related to AD permissions on the share through NFS/Podman. (Week 19)
- Migrated ODSS to newer and open source licensed version of ExtJS to avoid licensing costs from Sencha. (Week 20)
- Something strange happened with podman that caused problems with ODSS and created an outage for a few hours on Tuesday night. Fixed and deployed updated container (Week 20)

- After Carlos moved the help file to our new documentation system (thanks Carlos!) and since I was in the ODSS anyway, deployed an updated the pointed the ODSS help page to that doc. (Week 20)
- Added more NOAA charts (and created documentation on how to do so) to support the LRAUV deployments for ECOHAB. (Week 20)
- Expanding ODSS satellite layer coverage to help with Yui's current WF cruise (Week 25)
- Changed WaveGlider acoustic tracking to point to the spray glider instead of LRAUV (had to move some data since it was incorrect in the tracking DB). (Week 25)
- More work on the Windy layers and trying to see if we can integrate them into the ODSS. (Week 25)
- Met with UAV group to resurrect the work on UAV images being served from GeoServer (Week 26)
- Working on new geoserver to replace current one (Week 33)
- Starting upgrade of ODSS on Rachel Carson (Week 39)
- Liquid Robotics somehow broke my connection to WGMS so they want me to move to a new data system. It's basically a whole new stack so I am starting over from scratch. Will be a better system, I think, so hopefully will be worth it. (Week 39)
- Getting close to deploying new waveglider data extraction on new VM wg-portal.shore.mbari.org. (Week 39)
- Finished first round of python code to extract data from WGMS' new data service and am using it to publish positions for the WaveGliders since the previous access method broke. (Week 40)
- Small support tasks for CANON experiment (Week 41)
- Starting to prepare for moving Zuma (ODSS server on Carson) to ubuntu. (Week 42)
- Documenting existing zuma for purposes of migration (new satellite system working well!) (Week 42)
- Creating migration instructions for zuma move, maybe next week during a mob day I can attempt the move. (Week 42)
- More work on migration of ODSS on Zuma to Zuma U. It's a heavy lift as I'm doing some upgrades at the same time. (Week 43)
- Met with Carlos about MXM and ODSS integration. (Week 43)
- More work on Zuma upgrade (Week 44)
- Taking the opportunity to overhaul a docker compose to help with production deployments. (Week 44)
- Resurrecting script to push locations from WG tracker to the ODSS (LR broke some stuff). (Week 45)
- More work developing docker-compose for 'production' deployment of the ODSS with the initial target being zuma so I can upgrade the OS. (Week 46)
- Cleanup up source tree and cleaning out old, unused build related stuff. Condensing things to make dev docker-compose cleaner and upgrading components in preparation for deployment using this new docker compose method on Zuma. (Week 48)
- More condensing of the ODSS build and development environment. Upgrading mapserver and inserting some example files for mapserver to serve (Week 49)
- Digging deep on mapserver to go ahead and upgrade the version since I am doing all this anyway. (Week 49)
- More work on upgrades/changes to the docker compose for repeatable installs for ODSS (Week 50)
- More detailed work on Mapserver part of ODSS as this could be a piece that serves maps for the new 4D NavView server which is the replacement for Winfrog. (Week 51)
- Helped Tom O'Reilly with some troubleshooting on WGMS SOAP interactions that had stopped working. (Week 51)

901221 - Midwater Time Series

901602 - Data TAG

- Kicking off Data TAG efforts by sketching out what technologies we want to explore this year with the group (Week 1)
- Getting re-started on the SR stuff (Week 42)
- Going through past SR stuff to take fresh run at implementation writeup (Week 42)
- More work on the strategic roadmap (preparation for implementation work) (Week 43)

- A bunch of time refreshing my memory on where things are at with the strategic roadmap in preparation for working on the impact section. (Week 44)

901915 - Improving the Impact of MBARI's Data

- 4 hour workshop with Visceral who is the contractor for the external website upgrade. We worked through Information Architecture ideas as a group which loosely informs how the product of improving impact will plug into the external web site and search engine. (Week 2)
- Met with Visceral to go through their cut at Information Architecture for the new website (Week 6)
- Attended meeting with Visceral to discuss design options and relayed information architecture to project team to kick off project. (Week 15)
- Worked through a mapping exercise to come up with a first crack at a 'data' template for the new website. (Week 19)
- Working with Visceral on Data templates for new web site (Week 20)
- Starting a document to map data sources for/from new web site to various sources (Week 20)
- Staring discussion with Rob S and Katie P on how data and notebooks will be served on new site. (Week 20)
- Working on spreadsheet for new web site data pages (Week 24)
- Refreshing my knowledge of Diana's work with TimescaleDB and ERDDAP (Week 24)
- Working on web templates for various 'data' pages for the new web site. (Week 25)
- Developing content templates for data pages (Week 26)
- Working through data related templates/pages for Visceral to provide input for new website (Week 27)
- Trying out some data modeling tools to see if I can find one that will help with modeling and integration of various data silos (Week 27)
- Met with Katie Pitz to discuss MBTS pages (and more) for data access moving forward (Week 27)
- Proposal writing (Week 27)
- More documentation for data templates for Visceral for new website (Week 28)
- Looking at data modeling tools to capture models of systems I am documenting for Visceral since I am digging in. (Week 28)
- As I am going through proposals, I am building up a catalog of data and creating the web templates for the new web site. (Week 29)
- Looking into workflow and data storage technologies (Week 29)
- As I'm working through proposals, documenting data streams for information architecture docs and possible external web pages for new website. (Week 30)
- Attended new web site reveal from Visceral and will now work on generating data related pages and posts for the new site as we go through several iterations of feedback and development before the release by the end of the year. (Week 35)
- Got feedback from visceral on questions for data posts, will hold a meeting with improving impact team to get help with data post migration (and expansion) (Week 37)
- Migrated more information to new website (Week 38)
- Organizing meeting to get group to help with content migration (Week 38)
- Met with group to get help on web page migration (Week 39)
- Will hold a meeting to work on how we want to approach M1 data pages (Week 39)
- Met to discuss M1 data and mooring data page. Mike to work on this. (Week 39)
- More web page work (Week 40)
- Some web page work (Week 41)
- Meeting with web team (Week 41)
- Some web page editing (Week 42)
- Some back and forth with Visceral about a couple issues with images and with content wider than 8 column layout. They have solutions for each. (Week 44)
- More web page editing and got response from Visceral about some workarounds and new features added. (Week 45)

- LOTS of web page editing. Made a good pass over all the pages to make sure we were getting closer. (Week 45)
- Working on data models to extract common schemas across data systems we have here at MBARI (Week 46)
- Working on short descriptions for the data related pages (Week 46)
- Web page stuff to get ready for launch of site (Week 48)
- Lots of website requests/fixes with the launch of the new site. (Week 49)
- Some web page support (Week 50)
- More web page troubleshooting and some content migration. (Week 51)

902012 - Telepresence on MBARI Research Vessels

- Researching VueJS/Quasar/Vuetify/Slack logins for app develop (Week 1)
- In development environment, but got data flowing to a Postgres database from both ships using a push from the boat to RabbitMQ and then consuming the data and storing in Postgres DB. This will be for the data graphs in the application. (Week 2)
- Working on OIDC connection with the telepresence app so users can log in to the App using Slack (and then we can interact with Slack APIs on behalf of the user). This security stuff is always very tedious and painstaking! (Week 2)
- Still working on using Slack for authentication. Found a bug in Slack's OAuth workflow and they are 'working on it'. I might have a workaround, but it's a pain. (Week 3)
- Bug in Slack Authentication API confirmed by Slack but no timeline on fix. Only affects development environment and found workaround, basic skeleton of authentication working (Week 4)
- Looking at CI/CD to see if this can help manage the deployment of the many moving parts for this application. (Week 5)
- Slack did fix the bug that was affecting development environments with non-standard ports (which is almost all of them!). I had a workaround in place, but nice to know it should be fixed. (Week 5)
- Configured everything to build and deploy using docker so I can deploy on telepresence (Week 6)
- Trying to get WebSockets to work through SSL proxies so I can push data to the browser that comes from the boats. (Week 6)
- Not much progress, but working on Docker containerization so I can automate deployment to get more developers working on it. (Week 7)
- More development on the web application (Week 11)
- Refactoring into ES6 modules and code clean up as things were starting to get messy (Week 11)
- Working with IS on proxy pass/SSL configuration on telepresence server (Week 15)
- Deployed skeleton to test proxy pass configuration (Week 15)
- Authentication through Slack working (Week 15)
- Deployed application to production and had my group help me troubleshoot various issues that I could not replicate in development. (Week 16)
- More work on the telepresence web portal. Still ironing out the integrations with Zoom and Slack and authentication. Real head-banging stuff. (Week 17)
- More changes to the deployed web application (Week 19)
- Bug fixes and feature implementation to prep for test during WF cruise (which was cancelled) (Week 24)
- Trying to get some bug fixes and features implemented before next WF cruise where it will be tested for the first time (maybe). (Week 25)
- Preparing some slide for project update on Monday (Week 25)
- Fixed bug with user properties not propagating properly from slack (Week 26)
- Set up telepresence server to that it is controlled via systemd on telepresence.mbari.org (Week 26)
- Added lots more stuff to the data panel (Week 26)
- Fixed a few bugs (Week 26)
- Added location and depth overlay on map (Week 26)
- Changed map so it stays centered over most recent location (Week 26)
- More bug fixes and feature improvements (Week 27)

- Got information dump from Eric Martin to help support the telepresence on Jim Barry's cruise (Week 27)
- Some debugging of problem with Slack logins for multi-channel guests (Week 28)
- Double checking everything before Flyer departs (Week 28)
- Preparation for upcoming telepresence cruise (Week 33)
- Feature implementation before the next cruise (Week 33)
- Preparation work for telepresence cruise (Week 34)
- Some feature addition and monitoring first production use of new telepresence web portal (Week 34)
- Supported the telepresence activities for the Katija cruise over the weekend. (Week 35)
- Compiling feedback from users to plan next development activities. (Week 35)
- Created a new Slack workspace, but for a very odd reason, they rejected our non-profit application ... hmmm. (Week 39)
- A little background on existing data flows (Week 48)

902202 - MBARI Cloud Integration Exploration

- Had re-sync meeting with AWS representative to talk about steps moving forward and roadmap planning. Set up standing monthly meeting. (Week 19)
- Working with AWS to understand Control Tower and the correct account structure for MBARI. Will be setting it up so that each project that wants cloud resources will have its own account to easier handle billing and guardrail management. (Week 19)
- Worked through details on migration to Control Tower and think I have the steps in place to run with it. (Week 20)
- Trying to coordinate a visit from AWS in July (looks like August might be better) (Week 20)
- Sync meeting with Emmett (Week 24)
- More control tower work on the AWS side (takes VPC configuration) (Week 25)
- Check-in meeting with Emmett from AWS (Week 27)
- Organizing onsite meeting with AWS (Week 27)
- Working on VNC configuration for SSO-AD integration for Control Tower (Week 27)
- Working on VPC configuration for AD-SSO integration (Week 28)
- Sync meeting with Emmett to discuss AWS site visit and started planning (Week 28)
- Set up meeting with AWS, Todd and Joe to go over AD/SSO integration (meeting one week from today). (Week 29)
- Working on SSO configuration and account setup for implementation of multi account systems within AWS Control Tower (Week 33)
- Preparation for AWS visit next week (Week 33)
- Hosted AWS for combined training/meetings (Week 34)
- Working on AD/SSO integration between AWS and MBARI (Week 34)
- Account and user management with the new AWS SSO system (Week 34)
- Follow up emails with AWS team for strategic planning (Week 35)
- Set up meeting for the week after labor day to work on AD/SSO integration with IS and AWS folks. (Week 35)
- Met with IS and AWS to work at configuration of VPN and AD/SSO integration. Helped configure accounts and test instances to help Adriana with VPN creation. (Week 37)
- Discussions about strategic planning with AWS (Week 37)
- Responding to some requests about accounts and permissions (Week 37)
- Conference call with AWS to work on VPN configuration which has to be set up before SSO can be integrated with our AD (Week 41)
- More work on the SSO/AD integration. Hitting issue with AD connector and the account the SSO and AD were created in. Ticket in to AWS for help. (Week 42)
- Ticket confirmed that we needed it in the same account so Adriana got that set up and now I am checking with users if we can move SSO over to AD connection as it will break things. (Week 42)
- With Adriana's help, got the AWS SSO and Active Directory connection working so we now can use our MBARI logins to log into AWS. (Week 43)

- Troubleshooting why the SSO/AD connector stopped working over the weekend. Answer: no clue, and no clue why it started working again. Not very comforting. (Week 44)
- A little support for AWS stuff (Week 45)
- More AWS support stuff (Week 45)
- Monthly touch base phone call with AWS rep (Week 45)
- Some discussions around SSO and key renewal (Week 46)
- Monthly meeting with AWS rep to sync up (Week 49)
- Taking to VastEdge about possibly retaining their DevOps expertise on an 'as needed' basis. (Week 49)

Out of Office

- Currently working from home, but did get one negative PCR test so one most negative and a note from my doc and should be back in the office (shooting for next week).
- Mar 21-25: Vacation
- Feb 14: Possible start of Jury Duty
- 6/20: Vacation
- 8/1-8/5: Vacation
- 10/3-10/6: Vacation
- 5/17-18: Sick leave
- Several sick days (Th,F,M)
- 9/7-9/8: Vacation
- 11/21-11/23: Vacation
- 12/19-12/23: Vacation
- Few sick days last week

Overhead

- Year kick off meetings (Week 1)
- Budget and hours updates (Week 1)
- Performance reviews (Week 1)
- Review prep and feedback gathering (Week 2)
- Met with Todd for weekly IS/SEIE meeting (Week 2)
- Assistance with some ClickUp requests (Week 2)
- Lots of overhead for performance reviews (Week 3)
- All overhead, all the time (performance reviews) (Week 4)
- Met with AWS to discuss engagement with ProServe team for VAA project (Week 4)
- Finished up reviews (Week 5)
- Weekly meeting with Todd (Week 5)
- Document review for external web upgrade. (Week 5)
- Working with IS (Todd/Joe) on leveraging Joe's great work on monitoring, logging, alerting and extending to incorporate the needs of our group. Researching possible methods to support/extend this. (Week 6)
- VAA Meeting (Week 6)
- AWS VAA Meeting (Week 6)
- Meeting to discuss oddities in navigation data in EXPDB/VARS (Week 6)
- Met with Video Lab to discuss MiniROV data flow and concerns. Refresher on how things work and seem to be running smoothly again. (Week 6)
- Met with ShopDev (external contractor) to understand their business model for contract work. (Week 6)
- Working on syslog to understand if this will meet our groups centralized logging as a step to consistent logging, monitoring and alerting. (Week 7)
- Some discussions on microwave, AIS, radios, Mt. Toro, etc. (Week 7)
- Met with Carmel High CTE about scheduling a talk (Week 11)
- Another Information Architecture review for website refresh (Week 11)

- Group meeting and introduction to Giancarlo (Week 11)
- Will be meeting with Kiel Edson from the Aquarium (Week 11)
- Helping where I can with AWS and VAA (Week 11)
- Playing with 'Storybook' (<https://storybook.js.org/>) in the telepresence app to see if it's option for UI design moving forward. (Week 15)
- Met with University of Washington folks to talk about design ideas for data management for MARS replacement node. We agreed on approach that combines data storage in InfluxDB with Grafana front end and a ZeroMQ publisher that can provide data streaming capabilities. (Week 15)
- Worked on updates to Challenge #3 for strategic roadmap and met with larger group to discuss. Target is to have finished up by next Tuesday AM. (Week 19)
- Abstracts and meetings (Week 20)
- Strategic Roadmap writing and committee (Week 20)
- Helped Mandy troubleshoot some issue with Google docs for Strategic Roadmap (Week 20)
- Various Slack support for ECOHAB (mostly) (Week 20)
- Fixed issue with periodic elements table on our website (Week 20)
- Working on resource request to support Giancarlo's projects (Week 20)
- Group meeting (Week 20)
- Hours planning for various projects (Week 25)
- Project proposal discussions. (Week 25)
- PCO request for hour changes (Week 26)
- Proposal meetings (Week 26)
- Budget adjustments (Week 26)
- Proposals (Week 28)
- Reading proposals (Week 29)
- Proposal review (Week 30)
- Was on vacation last week (Week 32)
- All proposals and resource leveling so far this week (Week 32)
- More proposal stuff (Week 33)
- Meeting about ESP contractor evaluation (Week 33)
- Investigation of Qt for projects (Week 33)
- Proposal/resource related overhead (Week 34)
- More Qt exploration (Week 34)
- Meetings with project teams to discuss feedback and planning (Week 35)
- 2022 resource allocation planning for engineering hours requests (Week 35)
- Prepping a small amount of support for WHOI's deployment of ESP Dennis (Week 35)
- Reviewing phase 2 responses (Week 37)
- Checking resource hours after phase 2 changes (Week 37)
- Tours for candidates (Week 37)
- Preparation work for STEM talk at Carmel High on 9/23. (Week 37)
- Renewal of JetBrains product licenses (annual) (Week 37)
- Cleaned out some of Rich's old hardware from the corner office where it was temporarily located. It's now either ready for recycling or in my office to process. (Week 38)
- More proposal related stuff. (Week 38)
- Presentation preparation for CTE talk at Carmel High School (Week 38)
- Group meeting (Week 39)
- Getting caught up after vacation (Week 41)
- Fun get together to say goodbye to the WF! Sad and exciting. (Week 42)
- Completed sexual harassment training (Week 46)
- Learned a painful lesson with crontab trying to automate weekly report emails (Week 46)
- Some preparation for year end and kick off new year (Week 48)
- End of year office clean out (Week 49)
- Met briefly with Aquarium IS team to discuss overlap (Week 49)

- Working on Strategic Roadmap (meetings, working sessions, etc.) (Week 50)
- Group end-of-year lunch (Week 50)
- Had my last meeting with Todd!! He will be sorely missed! (Week 51)