

Kevin Gomes

Week 51

- 200105 - Core Navigation Data - MDUC
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
- Out of Office

Week 50

- 200105 - Core Navigation Data - MDUC
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
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- Overhead
- Out of Office

Week 49

- 200105 - Core Navigation Data - MDUC
 - Experimenting with Kafka to see if it's suitable for LCM bridge route to long term, high message rate storage
 - Looking at other message technologies as I have a huge concern about the things I'm reading about what it takes to maintain a Kafka instance.
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
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- 901915 - Improving MBARI Data Impact
- Overhead

- Troubleshooting issues with images on our external website
- Finished 2024 summary reports for all members of the group
- Out of Office

Week 48

- 200105 - Core Navigation Data - MDUC
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
 - Working on Kafka as messaging middleware for DP data system
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
 - Per request from DMO, renamed some WaveGlider CCUs and migrated some data to make sure they aligned with named vehicles.
 - Some adjustments and data moving around for Crissy with respect to a SPOT drifter
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
 - Digging more into TimescaleDB
- Overhead
- Out of Office

Week 47

- 200105 - Core Navigation Data - MDUC
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
- Out of Office
 - Nov 20-22: Vacation
 - Out sick: 11/9-11/15

Week 46

- 200105 - Core Navigation Data - MDUC
 - Bi-weekly networking meeting for David Packard
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
 - Assisted with troubleshooting Dive number issue (and propagation through navproc M3RS)
- 706008 - READI-net
- 901009 - CANON

- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
- Out of Office
 - Nov 20-22: Vacation
 - Out sick: 11/9-11/15

Week 45

- 200105 - Core Navigation Data - MDUC
 - Configured the VM created by IS to be a ZeroMQ proxy for the David Packard simulator. The simulator navproc is now forwarding messages outside of what would be the 'rov network' (in theory) to keep the 'other' data clients separate from the ROV network.
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
 - Starting to work on clients for the new data system: Dataprobe, DiveLog, ArcMapNav
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
 - Reviewing web application code
- 901009 - CANON
 - Looking at turning on TimeZero file creation on the shore server so shore-based TimeZero servers can be tested
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Finally made a decision on the paid Slack plan that MBARI will be moving to. We are going to be moving to the Enterprise Grid program which will give us more flexibility and capability.
 - Met with John Zicker and Dona Crawford (Board Members) to talk about ML efforts and DOE compute capabilities. More follow on to come.
 - Setting up a time to talk to folks at Argonne National Labs about possible use of their compute facilities for our GPU processing needs.
- Out of Office
 - Nov 20-22: Vacation

Week 44

- 200105 - Core Navigation Data - MDUC
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
- Out of Office
 - Nov 20-22: Vacation

Week 43

- 200105 - Core Navigation Data - MDUC
 - Stood up new David Packard simulator NUC with Python processes to simulate ship data streams
 - Created new navproc installation on NUC for the new navproc, logr and new lcm-bridge processes that consume data from simulator, parse into LCM, log to logr files and forward as JSON to ZeroMQ.
 - IS created VM for Ubuntu that will serve as simulator API for data packets on the science network on the Packard.
 - Looking at Kafka/TimescaleDB combination as possible data store for high-frequency data from Packard and dashboard support using Grafana.
- 300057 - Mooring Maintenance
 - Some support tasks while Karen is on jury duty.
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
 - Set up READINet controller RockPi to review code from contractor applications.
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
- Out of Office
 - Nov 20-22: Vacation

Week 42

- 200105 - Core Navigation Data - MDUC
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
- Out of Office

Week 41

- 200105 - Core Navigation Data - MDUC
- 300057 - Mooring Maintenance
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- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead

- Out of Office

Week 40

- 200105 - Core Navigation Data - MDUC
 - Architecture discussion with Mike about how to best deal with logger monitoring and process management
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Wrapping up quarterly check ins
 - Wrapping up 2024 labor reports for engineers
- Out of Office

Week 39

- 200105 - Core Navigation Data - MDUC
 - Working on message bridging from navproc once log writing complete
 - Investigating OpenRVDAS as possible consumer of lcm bridge
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Quarter 4 group check ins
 - Met with cyber security contractor
- Out of Office

Week 38

- 200105 - Core Navigation Data - MDUC
 - Digging in to the new logr code and got it generating new log files that look just like the old based on the new processes Mike has for the single LCM type.
 - Picking up the LCM bridge project to see if this could serve as an API that then could be leveraged by Dataprobe successor.
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net

- 901009 - CANON
 - Some small ODSS support
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Some time digging out from being on vacation
 - Working on 2024 project summaries for my team for next week's quarterly check ins.
- Out of Office

Week 37

- 200105 - Core Navigation Data - MDUC
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
- Out of Office
 - Aug 22-24: Monterey Data Conference, Monterey, CA
 - Aug 28-Sep 12: Vacation

Week 36

- 200105 - Core Navigation Data - MDUC
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
- Out of Office
 - Aug 22-24: Monterey Data Conference, Monterey, CA
 - Aug 28-Sep 12: Vacation

Week 35

- 200105 - Core Navigation Data - MDUC
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON

- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
- Out of Office
 - Aug 22-24: Monterey Data Conference, Monterey, CA
 - Aug 28-Sep 12: Vacation

Week 34

- 200105 - Core Navigation Data - MDUC
 - More work on logr2 code
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
 - Helping debug some video card issues for the machine paduk
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
 - More investigation of the SuperToken framework
- Overhead
 - Preparing invited talk for Monterey Data Conference
 - Delivered talk at Monterey Data Conference and attended other days
 - Proposal related meetings
 - Group meeting
 - Running down costs for Slack plan upgrade
 - Preparing and executing Director's Discretionary request for ActiveState license for EXPD
- Out of Office
 - Aug 22-24: Monterey Data Conference, Monterey, CA
 - Aug 28-Sep 12: Vacation

Week 33

- 200105 - Core Navigation Data - MDUC
 - Worked with IS to fix some networking issues with navproc simulation hardware (thanks Adriana!)
 - Getting going on the logr utility again.
- 300057 - Mooring Maintenance
 - Some attention needed over the weekend as the server elvis stopped responding which interrupted downloads
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
 - Looking into SuperToken for an open source authentication/authorization framework ... promising.
- Overhead
 - MiniROV DiveLog API/Application working with IS to prototype Duo/OAuth

- MiniROV/EE Hiring activity
- Working with Joe on an issue where ActiveState is trying to up our annual subscription by 10x in cost.
- Working on my presentation for the Monterey Data Conference next week.
- Out of Office
 - Aug 22-24: Monterey Data Conference, Monterey, CA
 - Aug 28-Sep 12: Vacation

Week 32

- 200105 - Core Navigation Data - MDUC
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
 - Trying to expand the data extraction for the WaveGlider to other reports, but the API from Liquid does not return any data from the reports we care about. Have a ticket into Liquid support.
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
 - Working on demo/prototype of NodeJS application that can serve GraphQL and REST APIs that can be protected by OAuth/OpenIDC security that can plug into our Azure AD system.
- Overhead
 - Proposal review
 - MiniROV/EE hiring activity
- Out of Office
 - Aug 28-Sep 12: Vacation

Week 31

- 200105 - Core Navigation Data - MDUC
 - Cranking away at logger for single LCM type
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Looking at MiniROV dive log replacement application (Broke on clients who upgraded to Mac OS X Ventura, something to do with ODBC).
 - Working with IS to get a prototype of Duo SSO (linked with Azure AD) and will attempt to use it on the Qt and web versions of the MiniROV divelog apps.
 - Proposal review meetings
- Out of Office
 - Aug 28-Sep 12: Vacation

Week 30

- 200105 - Core Navigation Data - MDUC
 - Restarting on this work as proposal review slows down
 - Refactored to pull out JSON config from main
 - Refactoring config code to use trigger set to channel level instead of item level
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
 - Weekly networking meeting
 - Going to see if I can run down more information on MarineTraffic for API usage and a service that DMO can use.
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
 - Starting to think about DiveLog app upgrade
 - Playing around with Qt/API to see if it might be a good replacement for Xojo thick client
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
 - Meeting to go over API with regards to web application
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
 - Starting research on large scale data storage
- Overhead
 - Proposal review
 - Reporting working for proposal review
 - Met with CEO Search committee
 - MiniROV/EE interview
- Out of Office
 - July 5-7: Vacation
 - Aug 28-Sep 12: Vacation

Week 29

- 200105 - Core Navigation Data - MDUC
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Reviewing proposals. SE-IE is very oversubscribed so there is lots of work to do.
 - More screenings and interviews for MiniROV/EE candidate
- Out of Office
 - July 5-7: Vacation
 - Aug 28-Sep 12: Vacation

Week 28

- 200105 - Core Navigation Data - MDUC

- Proposals
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
 - Meetings for networking
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
 - Working on GSS documentation for changes to UI
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Proposals
 - Budgets
 - Interviews for OVAI PM and MiniROV/EE
 - Met with CyberSecurity consultant to walk through changes/suggestions
- Out of Office
 - July 5-7: Vacation
 - Aug 28-Sep 12: Vacation

Week 27

- 200105 - Core Navigation Data - MDUC
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
- Out of Office
 - Aug 28-Sep 12: Vacation

Week 26

- 200105 - Core Navigation Data - MDUC
 - Starting the refactor of the logr code based on single LCM type
 - Moved to spdlog for logging on new logger (highly recommend)
- 300057 - Mooring Maintenance
 - Performed M1 turn
 - Some clean up from mooring turn
- 300059 - DMO Divisional Support - David Packard
 - Spent a large chunk of time going through signal maps from the shipyard and generating questions for them.
 - Meeting to discuss latest documentation updates from the yard.
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson

- 706008 - READI-net
- 901009 - CANON
 - Some clean up and restarting post server patching
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Having quarterly check in meetings with my group (7)
 - Group budget work
 - Proposal preparation
 - Accepted invite to Monterey Data Conference to give invited intro talk.
- Out of Office
 - Aug 28-Sep 12: Vacation

Week 25

- 200105 - Core Navigation Data - MDUC
- 300057 - Mooring Maintenance
 - Starting SSDS configuration for M1 turn
 - Met with Karen to get handoff of information related to download portion of mooring turn
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Interviews for MiniROV/Engineer position
 - Interviews for OVAI Program Manager
 - Attended DEI Seminar by Lori Mackenzie
 - Working on Cybersecurity Policy documents
- Out of Office
 - Jun 9,12: Vacation
 - Aug 28-Sep 12: Vacation

Week 24

- 200105 - Core Navigation Data - MDUC
 - Finally got through the detailed deep dive on data pathways for status items and clarified their usage and necessity so we can decide how to implement same functionality in single LCM type
- 300057 - Mooring Maintenance
 - Preparation underway for mooring turn coming up soon
- 300059 - DMO Divisional Support - David Packard
 - Reviewing cybersecurity and network architecture changes
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
 - Reviewing 4DNav to try to plan for ODSS integration
- 706008 - READI-net
 - Meeting
- 901009 - CANON

- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Interview for OVAI PM
 - Interview for EE/MiniROV
 - Reviewing cybersecurity documents for internal MBARI policy development
- Out of Office
 - Jun 9,12: Vacation
 - Aug 28-Sep 12: Vacation

Week 23

- 200105 - Core Navigation Data - MDUC
 - More work on LCM Bridge application
 - Traced all code for item status to see if we lose any information with single LCM type
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
- Out of Office
 - Jun 9,12: Vacation
 - Aug 28-Sep 12: Vacation

Week 22

- 200105 - Core Navigation Data - MDUC
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
 - Met to discuss possible replacement of the linux controller with COTS alternative
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Interview process
 - Took part in a cybersecurity incident response tabletop exercise with IS group and cybersecurity contractor.
- Out of Office
 - Aug 28-Sep 12: Vacation

Week 21

- 200105 - Core Navigation Data - MDUC
 - Working on LCM Bridge again

- Working on logr using new single LCM type
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
 - Helping out with figuring out how to register/view WMS layers on 4D Nav
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
 - Supporting experiment
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Interviewing candidates for SE Embedded
- Out of Office
 - Aug 28-Sep 12: Vacation

Week 20

- 200105 - Core Navigation Data - MDUC
 - Looking over documents that I got access to in order to understand signal routing
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
 - Attended meeting with CyberSecurity contractor for the ship and things are much clearer now and many of the main concerns were clarified.
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
 - Meeting with contractor
- 901009 - CANON
 - CANON readiness meeting
 - More work on Echosounder web application for viewing products.
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Fixed bug in Telepresence app that was causing the join to the zoom meetings to fail
 - I was notified that the MINIROV DiveLog app would not run after machine was upgraded from Monterey to Ventura. I'm able to replicate the failure, but it's deep in the ODBC driver somewhere and having a difficult time diagnosing the problem.
 - Still thrashing on MSSQL connection for dive log and contemplating moving to a web app entirely, but having issues connecting from my laptop via NodeJS too ... WTH???
 - Abstract submissions
- Out of Office
 - Aug 28-Sep 12: Vacation

Week 19

- 200105 - Core Navigation Data - MDUC
 - Refactoring logr to utilize new single LCM type.
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard

- Reading through documentation related to cyber security
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
 - Trying to get up to speed on 4D nav and learn how we can use WMS layers (possibly from ODSS)
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
 - Looking over SDI-12 protocol to see if it's something we need to support
- 901009 - CANON
 - Added new layers to the ODSS for circles centered over MARS node with N,S,E,W stations labels
 - Helping University of Hawaii troubleshoot their SSDS installation. Their server died and they moved the disk to a new machine, but SIAM not sending messages through to SSDS now.
 - The UofH server had crashed back in March and they moved the disk to a new machine, but during the crash, something must have gotten messed up in the database transactions and all the incoming JMS messages were being queued, but not written to the database. I ended up stopping the server, blowing away the cache directory where the message queues and database transactions were and then restarted the server. All is back and happy again (despite the gap in data through April).
 - Working on application to host the MARS echosounder data for the upcoming experiment. Chad setup images posting to ProjectLibrary so I can work on the application
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Interview candidate for embedded engineer
 - ARG! All database XOJO apps that use ODBC/TDS stopped working under OS X Ventana and trying to troubleshoot.
 - Working on Slack business plan proposals
 - Working on Atlassian plans.
- Out of Office
 - Aug 28-Sep 12: Vacation

Week 18

- 200105 - Core Navigation Data - MDUC
 - Working on logr code for new single LCM type
 - More work on lcm-bridge code
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
 - Meetings to discuss networking, data flow and cyber security
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
 - Researching 4D nav to figure out how we will plumb in tracking DB positions and if we can integrate ODSS/ERDDAP WMS maps
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Check in meeting with AWS
 - Group meeting to talk about proposals (EXPD)
 - Edited engineering drawing pages to add new person
- Out of Office
 - Aug 28-Sep 12: Vacation

Week 17

- 200105 - Core Navigation Data - MDUC
 - Continuing work on LCM bridge to other messaging systems to support API access as well as the possibility of a higher bandwidth data logging technology.
 - Starting to dig into changes to log for the new single LCM type.
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
 - Meeting with possible contractor for firmware system
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Hiring committee stuff
 - Met with Matt/Andrew to discuss proposal work to update EXPDB
- Out of Office
 - Aug 28-Sep 12: Vacation

Week 16

- 200105 - Core Navigation Data - MDUC
 - Looking at extending Kevin B's work to bridge the gap between LCM and more than just WebSockets
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Coordinating with AWS for Heidi to speak at a conference
 - Working on Strategic Roadmap (Implementation plan)
 - Non-project meetings
- Out of Office
 - Mar 30, 31: Vacation
 - Aug 28-Sep 12: Vacation

Week 15

- 200105 - Core Navigation Data - MDUC
 - Trying to get some traction back on this by restarting the LCM message bridging and logger transition to single LCM type
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson

- 706008 - READI-net
- 901009 - CANON
 - Planning meeting
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Met with IP related group
 - Working on Python script to inventory code repositories and identify licenses and copyrights on CVS, subversion, GitHub and BitBucket repositories.
 - Presentation preparation for ODSS overview for Synchro meeting on Tuesday (4/11)
 - Presented and participated in the Synchro meeting on Tuesday
 - Working with Neil on scoping the addition of object storage to Titan
 - Talking with AWS (and Heidi) about presenting at event
- Out of Office
 - Mar 30, 31: Vacation
 - Aug 28-Sep 12: Vacation

Week 14

- 200105 - Core Navigation Data - MDUC
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
 - Helping with some networking issues
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Meetings related to filling in for Andy
 - Catching up from couple days vacation
 - Cybersecurity meetings with vendor
 - Management overhead (quite a bit)
 - NSF Seminar
- Out of Office
 - Mar 30, 31: Vacation
 - Aug 28-Sep 12: Vacation

Week 13

- 200105 - Core Navigation Data - MDUC
 - Wrote a small Python app that listens for LCM messages, converts them to JSON and pushes over websockets to browsers.
 - Met with Kevin B and Carlos to talk about LCM web viewer coordination.
 - Working on coming up with full stack application architecture for data related apps
- 300057 - Mooring Maintenance
 - Some troubleshooting of the inductive CTD string.
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana

- Monitored today's first dive back in the water
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
 - Planning meeting for May deployment
 - Fixed bug with ESRI layer and deployed to production
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Weekly IS meeting
 - Met with IP lawyers to discuss licensing and data sharing. More work is coming on this.
 - Quarterly check in meetings with my group
 - Documentation for Telepresence and bring up of services that had stopped when we switched over to the spare rcnavproc1 machine on the Carson.
- Out of Office
 - Mar 30, 31: Vacation
 - Aug 28-Sep 12: Vacation

Week 12

- 200105 - Core Navigation Data - MDUC
 - Learning CMake to see if that's the build environment I should be using for logr (and other) projects.
 - Looking at converting the config of logr to JSON from the custom format it currently uses.
 - Exploring Kafka as an option for high bandwidth data storage in parallel with traditional logging.
 - Starting to create skeleton of simple LCM simulator
 - Talked with Mike about more LCM details and the possibility of a web version of LCM spy
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
 - Overhauled the build for the custom LCM logger and updated the code to try and match the file structure that the GSS playback was looking for. Deployed on bubinga and updated NAS firmware while I was at it.
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
 - Zoom call with BBWS.
- 901009 - CANON
 - Build overhaul continues
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Attended Zoom meeting with Cyber Security contractor. Much more work to come on this.
 - Group Meeting
- Out of Office
 - Mar 30, 31: Vacation
 - Aug 28-Sep 12: Vacation

Week 11

- 200105 - Core Navigation Data - MDUC
 - Light prototyping for use of single LCM type.
- 300057 - Mooring Maintenance

- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
 - Somehow the Leica GPS on the Carson is happy again (with respect to Navproc) and verified data streams we have to date with Dataprobe.
- 706008 - READI-net
- 901009 - CANON
 - More overhaul of the docker compose used in ODSS so I can align all four ODSS deployments and standardize on Ubuntu and Docker.
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Met with Henry, Fred and Mike about ODSS use for Syncro project
- Out of Office
 - Mar 30, 31: Vacation
 - Aug 28-Sep 12: Vacation

Week 10

- 200105 - Core Navigation Data - MDUC
 - Looking into creating some simple command line simulators just to help with development
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
 - Working on changes to custom logger to work better with GreenSea workspace replay
 - Bringing systems back up on Carson
- 300079 - DMO Divisional Support - Rachel Carson
 - Troubleshooting an issue with the Leica GPS. It died before the shipyard and it's back up and running, but data feeds are not making it to navproc for some reason.
- 706008 - READI-net
 - Follow up meetings to parse through user feedback for handoff to BBWS
- 901009 - CANON
 - Looking at upgrading ODSS on zuma on Carson.
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
- Out of Office
 - Mar 30, 31: Vacation
 - Aug 28-Sep 12: Vacation

Week 9

- 200105 - Core Navigation Data - MDUC
 - More reverse archeological digging.
 - Lot's more reverse archeology and documenting in detail [here](#)
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson

- Carson due back Wednesday (currently scheduled) so will work on bringing systems back up after that.
- 706008 - READI-net
 - Two-day workshop to kickoff project and gather requirements for sampler hardware and UI software.
- 901009 - CANON
 - Meeting
 - Docker container fails after build with Dockerfile so I am thinking I will move the ODSS application itself to git checkout install directly to manage updates easier and to match boat installations.
 - Looks like Carson will be returning Wednesday so I might work on upgrading the ODSS out there starting later this week.
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - Moving offices Friday (2/24)
 - Attended Steve's Memorial
 - Helping import external LRAUV related Slack channels into our workspace.
- Out of Office
 - Mar 30, 31: Vacation
 - Aug 28-Sep 12: Vacation

Week 8

- 200105 - Core Navigation Data - MDUC
 - Configured all existing NUCs and moved to new server rack so I have single KVM spot where I can work on different versions of the code in different versions of Ubuntu.
 - Dev machines set up for Qt as well.
 - Working through and documenting RC logging to get a handle on how the status items are used in logging and further downstream.
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- Overhead
 - RE candidate seminar and dinner
 - SRSC meeting
- Out of Office
 - Review finalization

Week 7

- 200105 - Core Navigation Data - MDUC
 - Updating Mac dev environment to better support local dev of navproc/logging
 - Review of Packard materials to date to start documenting a signal mapping that will be needed to capture all data streams
 - Tracing downstream use of status items in navproc code.
 - Build up of Ubuntu 22.04 NUC to see how CoreNav build goes ... looks like there is problem with dependencies for libbot2, might cause issues.
- 300057 - Mooring Maintenance

- After linux patches applied, found lock file was preventing mooring downloads. Cleared lock file and data looking good again.
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
 - Helping DJ with GSS setup in ROV pilot areas (cables, ubuntu issues)
 - Debugged some issues with hardware on the machines in DJ's area. Looks like it was yet another bad/fried NVidia card.
 - Starting to work on upgrading DiveLog app
- 706008 - READI-net
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
 - Reviewed notes to reset goals for project and will meet with Mike to start thinking about next steps.
 - AWS is offering to talk about helping with this effort, should talk to Monique and John to see if they are interested
- Overhead
 - Meeting with robotics research engineering candidate
 - Wrap up of performance reviews
 - Met with AWS to discuss SageMaker/EFS issue and submitted a help ticket.
 - Met with AWS Global Impact Computing folks to see if there is work we can do together. More work needs to be done with group and maybe Monique and John to scope some ideas.
 - Dealing with fall out of Linux patching.
 - Scheduled almost all quarterly meetings
 - Talking to Paul R about options to host a web application that is being served from DeepRip as it will need to be externally available for a report.
 - Group meeting where we talked through Docker issues that cropped up with the last round of patches. I also talked about the AWS meeting which we will need to reschedule.
- Out of Office

Week 6

- 200105 - Core Navigation Data - MDUC
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- DQ2210 - READI-net
- Overhead
- Out of Office
 - Feb 1-3: Vacation

Week 5

- 200105 - Core Navigation Data - MDUC
 - Digging through code to try to see downstream usage of 'status' items and how single LCM type impacts logging.

- More detailed docs to work on possible simulator build
- Purchased new, cheap rack for my office to expand current rack mounts to make room for more equipment.
- Since we lost power, I took the opportunity to move all the equipment from the old rack to the new and also installed the simulator NUC there too. All in one nice roll around unit now.
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- DQ2210 - READI-net
- Overhead
 - Performance reviews
 - MiniROV Hiring Committee
- Out of Office
 - Feb 1-3: Vacation

Week 4

- 200105 - Core Navigation Data - MDUC
 - Updated firmware on the Moxa NPort in my office to prep for both Ventana support and possibly use it for a simple simulator for Packard.
 - Mid-sprint meeting to discuss status updates
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
 - Finalized diagram and I think it got sent off to the shipyard for cabling.
- 300062 - DMO Divisional Support - Doc Ricketts
 - Meeting with SMD to discuss UDP/NMEA message structure for telemetry upgrade.
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 901009 - CANON
 - Working on fixing the base layer on ODSS. ESRI deprecated the current layer and after the new year, tiles are coming up empty. They have a new layer, but it needs API key and such so it's taking a bit to get that implemented. Have it working on test and a new image built and pushed to DockerHub, need to find a good time to replace the image on production ODSS.
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- DQ2210 - READI-net
 - Meeting with contractor to discuss new UI prototypes and hardware
- Overhead
 - Performance reviews preparation
 - Strategic roadmap review and gave input on implementation part.
 - Strategic roadmap committee meeting
 - Group meeting
 - MiniROV/EE Hiring committee
- Out of Office

Week 3

- 200105 - Core Navigation Data - MDUC
 - Updated diagrams and created simplified diagram that Mike sent to the shipyard to make sure we capture physical wiring that is required during construction
 - Had back-and-forth with serial splitter vendor and received price list and waiting to validate which serial splitters we are actually getting with the boat before purchasing
 - Meeting to discuss end of sprint 1 and start of sprint 2
 - Doing archeological work to remember how navproc/logr works to prepare for next sprint
- 300057 - Mooring Maintenance
 - A small bit of maintenance on monitoring scripts
 - New-ssds machine crashed late last week, but no cause found
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 901009 - CANON
 - Restarted services for AMQP consumption
 - Troubleshooting missing map tiles from ESRI basemap and it appears they have deprecated the basemap and I need to update the web application to use new vector based map.
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
 - Discussion with Monique about possibly using LRAUV and Dorado as test case for larger combined data set to test different storage mechanisms
- DQ2210 - READI-net
- Overhead
 - Performance review preparation
 - Some cleanup and restructuring of Weekly Reports as the year kicks off.
- Out of Office

Week 2

- 200105 - Core Navigation Data - MDUC
 - Reworked diagram and documentation on data pathways for planning for David Packard. Meeting tomorrow to discuss.
 - Trying to procure some hardware to build a simulation environment. Turns out to be NOT cheap.
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
 - Some small support before the ship left for the yard
- 300079 - DMO Divisional Support - Rachel Carson
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- DQ2210 - READI-net
- Overhead
 - Performance reviews
 - Cleaning out some old stuff to plan for 2023 projects.
- Out of Office

Week 1

- 200105 - Core Navigation Data - MDUC
 - Kick off meeting to discuss planning, project management, and sprint definitions
- 300057 - Mooring Maintenance
- 300059 - DMO Divisional Support - David Packard
 - Working on updates to plans for signal routing and data management
- 300062 - DMO Divisional Support - Doc Ricketts
- 300070 - DMO Divisional Support - Ventana
- 300079 - DMO Divisional Support - Rachel Carson
- 901009 - CANON
- 901221 - Midwater Time Series
- 901915 - Improving MBARI Data Impact
- DQ2210 - READI-net
- Overhead
 - Starting on performance review activities
 - Group overhead with meetings and yearly planning
- Out of Office
 - Working from home due to positive COVID but should be back in the office Thursday.