

Brian Kieft

Week 52

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 12/19 - 12/28 (PST)
 - 12/29-01/03 (MST)

Week 51

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 12/19 - 12/28 (PST)
 - 12/29-01/03 (MST)

Week 50

- 300082 - DMO Support - Wave Glider
 - Recovered Tiny last Friday following wet wifi testing
- 300083 - DMO Support - LRAUV
 - On call for daphne MBTS
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
 - Met with USGS team to go over last year's experiment and look ahead to this summer. Current plan is July and August operations for 2 months.
- 708168 - DHS/LRAUV Under-Ice
 - Diagnosed and fixed issue with Stella GPS. Added code change in application to prevent this configuration issue from stomping on real GPS fixes in the future.
 - Working to get pyxis config up to date.
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
 - Assisted with deployment prep and GF troubleshooting. Supporting current deployment
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
 - Worked with Yanwu to bring up simulator. Now working and testing missions
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
 - Met with team in Santa Cruz for final end of year planning
 - Rolled out link for alpha testing: <https://mbari.vercel.app/>
 - Collecting user feedback. Mission command/control planned for first of year
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Dropped a fresh MF modem off with sub Elecia for further development on the Benthos driver.
 - Need to work with her/Benthos to see if we can implement a datagram response to a range request.
- 902102 - Multi-LRAUV Simulation Environment
 - Lots of work bringing up the lab/local machine to recent changes but they're all working now.
 - 140% over on labor currently.
- 902106 - Niobicon-Based AUV Docking Development
 - Wrapped up docking deployment and added 8 new issues to JIRA that were discovered during testing. Docking success improved significantly this fall.
- Overhead
 - Interviews
 - Ran wet wifi testing with Tethys/Tiny. While signal strengths were observed, no video was transferred.
- Out of Office
 - 12/19 - 12/28 (PST)
 - 12/29-01/03 (MST)

Week 49

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
 - Met with team today to discuss plans for 2 month deployment in 2023 and review the work done in 2022.
- 708168 - DHS/LRAUV Under-Ice

- Assisting in troubleshooting LRAUV Stella.
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
 - Working with Yanwu on a passive acoustic monitoring mission and will test next week in coordination with wet wifi testing.
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Prepping for wet wifi testing alongside waveglider for this weekend.
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
 - My work focused mostly on docking. Completed 109 docking runs to test various configurations that we previously simulated.
 - Additionally work to improve the vertical control during docking or straight and level flight was accomplished.
- Overhead
 - Interviews for two candidates. One in person for 2 days and the other via zoom.
 - Met to discuss candidates for embedded position
- Out of Office
 - 11/21 - 11/25 (MST)
 - 12/28-30 (PST)

Week 48

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
 - Supported Galene deployment last week.
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
 - Trying to get Yanwu up and running
- 902106 - Niobicon-Based AUV Docking Development
 - Lots of docking work with Tethys
- Overhead
- Out of Office
 - 11/21 - 11/25 (MST)
 - 12/28-30 (PST)

Week 47

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 11/21 - 11/25 (MST)
 - 12/28-30 (PST)

Week 46

- 300082 - DMO Support - Wave Glider
 - Helping out the the PIE deployment for Yui.
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
 - Supported the first real deployment of Stella.
 - Diagnosed and fixed a problem with the DVL
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
 - Troubleshooting on Galene for network issues to the backseat
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Handed off an MF DAT to Elecia for MMP mode integration. Progress is looking good with basic binary command/response flowing.
 - There may be a minor budget overage on the MMP integration task. Working on scoping. I'm inclined to spend a little more and implement the full headers at this point. Will seek \$\$
 - Working with Tanner on integrating the new lights component.
- 902102 - Multi-LRAUV Simulation Environment
 - Finally got the sim running on two machines here. Will test with Yanwu next.
- 902106 - Niobicon-Based AUV Docking Development

- Lots of work with Michael and Rob to adjust docking algorithms in sim the past two weeks. Both now have source code access and have been contributing to the current release.
- More interaction with AllMotion on their stepper.
- Integrated the new docking arm stepper controller
- Deployed Tethys from the beach for docking tests today.
- Overhead
 - More travel receipts :(
- Out of Office
 - 11/21 - 11/25 (MST)
 - 12/28-30 (PST)

Week 45

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 10/24 - 10/28 (PDT)
 - 11/21 - 11/25 (MST)
 - 12/28-30 (PST)

Week 44

- 300082 - DMO Support - Wave Glider
 - Prep for upcoming PIE deployment with Spray
- 300083 - DMO Support - LRAUV
 - Discussing plans for boatless deployment for Daphne
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
 - Met with team to discuss upcoming tasks for Stella deployment next week
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design

- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
 - Lots of work trying to get the system built/installed. Almost there but still some hurdles.
 - Met with team to discuss plan for easy rollout (e.g. simple script that handles everything). Working on optimizing uptake.
- 902106 - Niobicon-Based AUV Docking Development
 - Working with Rob on data analysis for docking
 - Also component/behavior questions
 - Integrating docking arm actuator. Base class changes have been completed. Now working on component integration
 - Met with Francois on Tue to dial in physical limits
- Overhead
 - Lots of travel expense report overhead
- Out of Office
 - 10/24 - 10/28 (PDT)
 - 11/21 - 11/25 (MST)
 - 12/28-30 (PST)

Week 43

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 10/24 - 10/28 (PDT)
 - 11/21 - 11/25 (MST)

Week 42

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
 - Daphne demonstration beach launch on Monday
 - Working with Tanner for some new component design
 - Supporting Pontus deployment off Pt. Sur and in N Monterey Bay
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice

- Met with SW team to discuss plans for DVL development and new behaviors
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
 - Recovered Makai Monday following successful CANON deployment
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
 - Wrapped up some CANON mission changes with Yanwu
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
 - Met with team to discuss progress and am preparing to send out link for alpha testing hopefully next week
 - 2 action items for end points surrounding the scheduler
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Fixing bug with ESPComponent and writing data after critical failure
 - TRN ingest work
- 902102 - Multi-LRAUV Simulation Environment
 - Lots of work on getting a build running. Currently working through issues on the container build from source. Hoping to have instructions posted to users by the end of the week.
- 902106 - Niobicon-Based AUV Docking Development
 - Working on integrating new stepper controller with new actuator
- Overhead
 - Met with USGS/WHOI team to go over plans for potential funding of under ice ops in Lake MI.
 - Wrapping up various expense reporting from May-Sep
- Out of Office
 - 10/24 - 10/28 (PDT)
 - 11/21 - 11/25 (MST)

Week 41

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
 - CANON is underway. Lots of support early on to get Makai settled
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
 - Working with Yanwu on CANON related missions
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
 - Met with team to go over progress and holes in the API. I have a couple action items.
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Working on bioacc tasks and system diagram
 - Arm actuator integration with new smaller controller.
- 902102 - Multi-LRAUV Simulation Environment
 - Lots of work to attempt to build the sim. So far we're having issues.

- 902106 - Niobicon-Based AUV Docking Development
- Overhead
 - Various hiring committee tasks
- Out of Office
 - 10/24 - 10/28 (PDT)
 - 11/21 - 11/25 (MST)

Week 40

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 07/31 - 08/11 (EDT) USGS
 - 08/19 - appointments
 - 08/28 - 09/01 (EDT) USGS
 - 09/12 - 09/28 (GMT+2 - vacation)

Week 39

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office

- 07/31 - 08/11 (EDT) USGS
- 08/19 - appointments
- 08/28 - 09/01 (EDT) USGS
- 09/12 - 09/28 (GMT+2 - vacation)

Week 38

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 07/31 - 08/11 (EDT) USGS
 - 08/19 - appointments
 - 08/28 - 09/01 (EDT) USGS
 - 09/12 - 09/28 (GMT+2 - vacation)

Week 37

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 07/31 - 08/11 (EDT) USGS
 - 08/19 - appointments

- 08/28 - 09/01 (EDT) USGS
- 09/12 - 09/28 (GMT+2 - vacation)

Week 36

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 07/31 - 08/11 (EDT) USGS
 - 08/19 - appointments
 - 08/28 - 09/01 (EDT) USGS
 - 09/12 - 09/28 (GMT+2 - vacation)

Week 35

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 07/31 - 08/11 (EDT) USGS
 - 08/19 - appointments
 - 08/28 - 09/01 (EDT) USGS
 - 09/12 - 09/28 (GMT+2 - vacation)

Week 34

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
 - Preparing to wrap up Lake MI deployment next week.
 - Dealing with various issues on Stella and running vehicles.
- 708168 - DHS/LRAUV Under-Ice
 - Troubleshooting Stella GPS issues
 - Tagging/loading Polaris and Stella. Assisting in prep for Polaris for Tuesday's salinity intrusion cruise off the cape.
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
 - Did a couple runs for Giancarlo to collect raw AHRS data. Working on reviewing.
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
 - Troubleshooting basic host sim issues with Yanwu
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Updated CPLD programming repo and tested on test mobo
 - Diagnosed clock issue on spare mobo
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
 - Integrating stepper motor actuator for docking arm
- Overhead
- Out of Office
 - 07/31 - 08/11 (EDT) USGS
 - 08/19 - appointments
 - 08/28 - 09/01 (EDT) USGS
 - 09/12 - 09/28 (GMT+2 - vacation)

Week 33

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
 - Lots of work this month running Triton and Brizo in Lake Superior and Lake Michigan. Triton will be recovered tomorrow and troubleshooting on an issue inside Brizo will commence then as well. So far great results from Lake Superior and hoping to get Brizo back in the game shortly as both vehicles return to Lake Michigan.
 - First beach launch/recovery of an LRAUV was successful. After a tour of the Apostle Islands and West arm of Lake Superior, Triton will be recovered and sent down to Lake Michigan.
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles

- Assisting with host sim issue for Yanwu
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Trying to fix CPLD issue on spare mobo
 - Passed along repo info and gave permissions to Elicia for DAT development.
 - Grabbing raw AHRS data for Giancarlo
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
 - Integrating new docking actuator and stepper controller. Awaiting cable.
- Overhead
- Out of Office
 - 07/31 - 08/11 (EDT) USGS
 - 08/19 - appointments
 - 08/28 - 08/31 (EDT) USGS
 - 09/12 - 09/28 (GMT+2 - vacation)

Week 32

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice



- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 07/31 - 08/11 (EDT) USGS

- 08/28 - 08/31 (EDT) USGS
- 09/12 - 09/28 (GMT+2 - vacation)

Week 31

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice



- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 07/31 - 08/11 (EDT) USGS
 - 08/28 - 08/31 (EDT) USGS
 - 09/12 - 09/28 (GMT+2 - vacation)

Week 30

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
 - Packed up container and it shipped today. Flying Sunday.
- 708168 - DHS/LRAUV Under-Ice
 - Deployed LRAUV Polaris up in the Chukchi Sea for a USCG demo with WHOI. This was a new ocean for LRAUV and the highest latitude yet (>71 deg)



-
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 07/31 - 08/11 (EDT) USGS
 - 08/28 - 08/31 (EDT) USGS
 - 09/12 - 09/28 (GMT+2 - vacation)

Week 29

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 07/15 - 07/21 (AKDT) WHOI
 - 07/31 - 08/11 (EDT) USGS
 - 08/28 - 08/31 (EDT) USGS

- 09/12 - 09/28 (GMT+2 - vacation)

Week 28

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
 - Working on logistics/planning
- 708168 - DHS/LRAUV Under-Ice
 - Leaving Friday for Barrow
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
 - Met for proposal discussions
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Launched Brizo/Tethys for testing Tim's hotbunking missions.
 - Launched Triton for bioacoustics testing.
- 902102 - Multi-LRAUV Simulation Environment
 - Team meeting yesterday for Q3/Q4 transition planning
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
 - Proposals
- Out of Office
 - 07/15 - 07/21 (AKDT) WHOI
 - 07/31 - 08/11 (EDT) USGS
 - 08/28 - 08/31 (EDT) USGS
 - 09/12 - 09/28 (GMT+2 - vacation)

Week 27

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development

- Overhead
- Out of Office
 - 07/02 - 07/09 (HST - vacation)
 - 07/15 - 07/20 (AKDT)
 - 08/01 - 09/03 (EDT)
 - 09/12 - 09/28 (GMT+2 - vacation)

Week 26

- 300082 - DMO Support - Wave Glider
 - Wrapped up piloting for PIE project. Tracking went very well with only one loss over 12 days.
- 300083 - DMO Support - LRAUV
 - Piloting pontus for fish tracking deployment
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
 - Prepping for Arctic trip. Fixed a couple minor issues on Stella.
- 708143 - Eco HAB
 - Gathering feedback from team and coming up with improvements for next year. Meeting next month to recap the experiment.
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
 - Usual q&a online
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
 - Walked through sim setup via Ben's documentation and got it running.
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
 - Started writing UX proposal
- Out of Office
 - 07/02 - 07/12 (HST - vacation)
 - 07/15 - 07/26 (AKDT)
 - 08/01 - 09/03 (EDT)
 - 09/12 - 09/28 (GMT+2 - vacation)

Week 25

- 300082 - DMO Support - Wave Glider
 - Supporting Yui's PIE deployment with Tiny/Hotspot tracking for coincident PCO2 sampling
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
 - Met with team to discuss operations in arctic. Ice is not looking great right now but proceeding with flights.
 - Assisted with ATT sim card acquisition
- 708143 - Eco HAB

- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Deployed Tethys yesterday and recovered today following docking tests.
- 902102 - Multi-LRAUV Simulation Environment
 - Built ignition/application and ran my first sim. Very cool!
 - Met with team today to discuss transition plan and progress.
- 902106 - Niobicon-Based AUV Docking Development
 - Fixed compass serial port issue on dock
- Overhead
- Out of Office
 - 07/02 - 07/12 (HST - vacation)
 - 07/15 - 07/26 (AKDT)
 - 08/01 - 09/03 (EDT)
 - 09/12 - 09/28 (GMT+2 - vacation)

Week 24

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
 - Recovered Brizo and wrapped up EcoHAB SB on Monday.
 - Brizo was deployed for 29 days and, along with WG Tiny, represented the first MBARI boat free operation. We employed joystick control to perform L&R ops from Goleta Pier. Brizo seen here making its final approach to the pier for recovery after a month at sea.
- 800139 - EyeRIS (Remote Imaging System)
 - Supported a deployment this week for acomms data transfer and tracking
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
 - Various support for ongoing missions being run offshore
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
 - Meeting next week with team for status update.
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
 - Deployment last week to test new docking arm
- Overhead
 - Assisted with DOEST work
- Out of Office
 - 07/02 - 07/09 (HST - vacation)
 - 07/13 - 07/22 (AKDT)

- 08/01 - 09/03 (EDT)
- 09/12 - 09/28 (GMT+2 - vacation)

Week 23

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 05/15 - 06/04 (EcoHAB PDT)
 - 07/02 - 07/09 (HST - vacation)
 - 07/13 - 07/22 (AKDT)
 - 08/01 - 09/03 (EDT)
 - 09/12 - 09/28 (GMT+2 - vacation)

Week 22

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 05/15 - 06/04 (EcoHAB PDT)
 - 07/02 - 07/09 (HST - vacation)
 - 07/13 - 07/22 (AKDT)

- 08/01 - 09/03 (EDT)
- 09/12 - 09/28 (GMT+2 - vacation)

Week 21

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 05/15 - 06/04 (EcoHAB PDT)
 - 07/02 - 07/09 (HST - vacation)
 - 07/13 - 07/22 (AKDT)
 - 08/01 - 09/03 (EDT)
 - 09/12 - 09/28 (GMT+2 - vacation)

Week 20

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 05/15 - 06/04 (EcoHAB PDT)
 - 07/02 - 07/09 (HST - vacation)
 - 07/13 - 07/22 (AKDT)

- 08/01 - 09/03 (EDT)
- 09/12 - 09/28 (GMT+2 - vacation)

Week 19

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 05/15 - 06/04 (EcoHAB PDT)
 - 07/02 - 07/09 (HST - vacation)
 - 07/13 - 07/22 (AKDT)
 - 08/01 - 09/03 (EDT)
 - 09/12 - 09/28 (GMT+2 - vacation)

Week 18

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 708143 - Eco HAB
 - Working on logistics and vehicle prep
 - Testing new mission changes and ESP integrations
 - Hooked up ESP test board
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Got Benthos MF replacement quote
 - Ran FQT on coulomb counter on vehicle Makai in preparation for EcoHAB
 - Tested quick GPS mission fix offshore last week
 - Opened Tethys to repair failed ethernet cable on backseat computer in preparation for TRN runs.

- Logged bad batteries on Brizo/Makai
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
 - Worked with Matt on LRAUV air ship quote
- Out of Office
 - 05/15 - 06/04 (EcoHAB PDT)
 - 07/02 - 07/09 (HST - vacation)
 - 07/13 - 07/22 (AKDT)
 - 08/01 - 09/03 (EDT)
 - 09/12 - 09/28 (GMT+2 - vacation)

Week 17

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
 - Working on logistics for August
- 708168 - DHS/LRAUV Under-Ice
 - Wrote component interface for INS and multibeam
 - Made an animation of our "oil" spill
- 708143 - Eco HAB
 - Prepping vehicles for May. Finished troubleshooting network/joystick issues on Brizo.
 - Met with Nick (UCSB) to talk about boat support and other logistics
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
 - Working with Yanwu on patch mapping mission tests
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Ran Tethys Thu-Tue on a mission testing some docking changes as well as patch mapping
 - Tested fixes to fast GPS fix mission
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 05/15 - 06/04 (EcoHAB PDT)
 - 07/02 - 07/09 (HST - vacation)
 - 07/13 - 07/22 (AKDT)
 - 08/01 - 09/03 (EDT)
 - 09/12 - 09/28 (GMT+2 - vacation)

Week 16

- 300082 - DMO Support - Wave Glider
 - Recovered WG Tiny after nearly a month at sea.
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs

- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
 - Supporting current Polaris deployment testing oil mapping
 - Added PD6 and water column capability for Stella LRAUV
 - Added ZDA on/off/ignore capability for Stella NAL9602
- 708143 - Eco HAB
 - See LRAUV development
 - Van secured
 - Crane/Pier access secured
 - Boat support secured
 - Schedule nearly fixed
- 800139 - EyeRIS (Remote Imaging System)
 - Recovered Galene following 4th engineering deployment last week.
- 901009 - CANON
 - Prepped Stella 113 for lagrangian drift sediment sample comparison with CPF
 - Deployed CPF with the team yesterday
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
 - Assisted with Tethys deployment testing mapPatch mission last week.
 - Debugged issue with acoustic retry first noted in 2021 EcoHAB. Fix is in current release and will be tested this coming week.
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Added joystick control on Makai in prep for EcoHAB
 - Troubleshooting network issues on Brizo
 - Prepped EZ servo to send in for noise assessment
 - Roughed in coulomb counter interface in CBIT to interface to Tanner's user space application interface to the hardware. Testing continues on Melia.
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
 - Serviced topside dock equipment yesterday
 - Added short final lockout to line capture behavior.
 - Queried Benthos on the short final azimuth noise issue when elevation angle steepens.
- Overhead
- Out of Office
 - 04/15 (PDT)
 - 05/15 - 06/04 (EcoHAB PDT)
 - 07/02 - 07/09 (HST - vacation)
 - 07/13 - 07/22 (AKDT)
 - 08/01 - 09/03 (EDT)
 - 09/12 - 09/28 (GMT+2 - vacation)

Week 15

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
 - Roughed in the calendar. Flights coming next.
- 708168 - DHS/LRAUV Under-Ice

- Supporting a Polaris deployment and prepping Stella for initial B&T and first sea trial.
 - Added yo-yo and multi lap functionality into the grid survey mission.
- 708143 - Eco HAB
 - Prep for SB is underway. Lining up boats and meeting with collaborators
 - Working with Tanner on fuel gauge integration for primary batteries.
- 800139 - EyeRIS (Remote Imaging System)
 - Supported Galene deployment this week testing image transfer, front tracking, etc
- 901009 - CANON
 - Supporting MBTS run for Daphne this week. Will initiate sampling tomorrow.
 - Prepped daphne for deployment
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
 - Working with Yanwu on his new patch mapping mission.
 - Supporting Tethys deployment this week to test the oil patch and figure out how to visualize the data properly.
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
 - Got an update on progress from our developers. Will connect our team more closely now.
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Got up to speed on TethysL and tried writing a new mission. Attempting to install on my host.
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
 - Supported Tethys deployment for further docking tests and some dock troubleshooting.
 - Investigating DAT configuration with Benthos.
- Overhead
- Out of Office
 - 04/15 (PDT)
 - 05/15 - 06/04 (EcoHAB PDT)
 - 07/02 - 07/09 (HST - vacation)
 - 07/13 - 07/22 (AKDT)
 - 08/01 - 09/03 (EDT)
 - 09/12 - 09/28 (GMT+2 - vacation)

Week 14

- 300082 - DMO Support - Wave Glider
 - Piloting Tiny/Hansen
 - Working with Yui to support PIE deployment which completed Monday. Tracking of Spray lasted for about 16 days!
 - Logs pulled and submitted.
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
 - Added ZDA support for NAL9602 component
 - Enabled PD6 mode for WHOI ADCP testing
- 708143 - Eco HAB
 - Working on basic logistics for May. Van, boats, etc.
- 800139 - EyeRIS (Remote Imaging System)
 - Preparing for deployment today. Did soak test and B&T on vehicle. \
 - Integrated joystick control

- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
 - Working with Yanwu on polygon bounding of LRAUVs. Reviewed mission results.
 - Will run oil and polygon testing over the weekend in preparation for Santa Barbara and Barrow deployments.
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
 - Met with team to discuss progress and onboarding Karen
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Performed a successful joystick integration and harbor test on Pontus.
 - Setting up backseat computers for work in Santa Barbara
 - Working with Tanner to get fuel gauge component operational for use with primary batteries.
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
 - Deploying again today for further docking tests and ROV footage on Thursday.
- Overhead
 - Supporting Hotspot work around the LRAUV dock for Ivan
- Out of Office
 - 04/15 (PDT)
 - 05/15 - 06/04 (EcoHAB PDT)
 - 07/02 - 07/09 (HST - vacation)
 - 07/13 - 07/22 (AKDT)
 - 08/01 - 09/03 (EDT)
 - 09/12 - 09/28 (GMT+2 - vacation)

Week 13

- 300082 - DMO Support - Wave Glider
 - Piloted Tiny over the weekend to support Yui's PCO2 tracking runs
 - Piloted Hansen over the weekend to support Astrid's bioacoustic runs
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
 - Met with team today to go over final details before the end of the month.
 - Preparing conops for arctic deployment
 - Added capability for ZDA messages to be turned on/off for LRAUV Stella (multibeam mapping vehicle)
 - Adding PD6 ingest capability to the ADCP to support mapping vehicle.
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
 - Planning has begun for EcoHAB SB deployment.
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
 - Working with Yanwu to test new mapPatch mission.
 - Publication review and chl offset characterization
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
 - Meeting with team to discuss plans. Onboarding Karen Salamy to the team to support front end development
- 902010 - Mesopelagic LRAUV

- 902101 - LRAUV Technology Development and Fleet Operations
 - Tethys deployed last Thursday for docking and patch tracking tests
 - Integrated joystick control over cellular for vehicle Pontus. Testing underway and plans to use this feature for EcoHAB in Santa Barbara (May/Jun)
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
 - Supporting docking deployment (see images at top)
 - Added remote discrete set/clr capabilities through the acoustic interface to automatically power lights/camera on dock when approaching
- Overhead
 - Supporting Yui's Spray/tracking deployment
 - Gender IDEA workshop
- Out of Office
 - 04/15 (PDT)
 - 05/15 - 06/04 (EcoHAB PDT)
 - 07/02 - 07/09 (HST - vacation)
 - 07/13 - 07/22 (AKDT)
 - 08/01 - 09/03 (EDT)
 - 09/13 - 09/30 (GMT+2 - vacation)

Week 12

- 300082 - DMO Support - Wave Glider
 - Supporting Spray tracking PIE deployment for Yui
 - Met with team to re-architect scripts to meet coincident PH/PCO2 sampling requirements for 2 week Tiny deployment. So far tracking has been solid over the last 72 hours!
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
 - LCB troubleshooting on discrete I/O channel yielded parts that weren't stuffed.
 - Troubleshooting wetlabs values for sim experiment
 - Loaded polaris with latest release to support lab testing
 - Transposed oil simulator to Buzzards bay. Pending lab test
 - Met with team to plan the rest of the work for March
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
 - Working with Yanwu on L. Erie paper and chlorophyll scaling factors post sampling.
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Integrated the WHOI joystick operation on vehicle Pontus here. Will test cell soon. Planning to use for video shoot and EcoHAB.
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
 - Lots of preparation underway for the full mooring deployment tomorrow!
- Overhead
 - Added some text to the BioSWAT DQ
- Out of Office

- 04/15 (PDT)
- 05/15 - 06/04 (EcoHAB PDT)
- 07/02 - 07/09 (HST - vacation)
- 07/13 - 07/22 (AKDT)
- 08/01 - 09/03 (EDT)
- 09/13 - 09/30 (GMT+2 - vacation)

Week 11

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
 - Supporting MBTS mission for Daphne
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
 - Reviewing requested course and logistics for deployment
- 708168 - DHS/LRAUV Under-Ice
 - Troubleshooting various issues involving the Stella vehicle bringup
 - Supporting upcoming Polaris deployment this week to run a simulated oil spill in Buzzard's bay. First is a lab test.
 - Met to discuss new components for mapping LRAUV
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
 - Working with Yanwu on oil spill breadth mission
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Supported docking deployments that ended last week and recovered dock last Friday. Very successful experiment. The real dock will be deployed asap.
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office
 - 3/10 (kids passports/half day)
 - 3/14-17 (AZ - MST)
 - 05/15 - 06/04 (EcoHAB PDT)
 - 07/02 - 07/09 (HST - vacation)
 - 07/13 - 07/22 (AKDT)
 - 08/01 - 09/03 (EDT)
 - 09/13 - 09/30 (GMT+2 - vacation)

Week 10

- 300082 - DMO Support - Wave Glider
 - Piloted this weekend
 - Preparing script to assist with tracking Yui's glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice

- Troubleshooting buoyancy system on Stella
- Reviewed Polaris DVL data
- 800139 - EyeRIS (Remote Imaging System)
 - Met to discuss
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
 - Reviewing issues with chl measurements from last summer
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
 - Met with Carlos/Kevin to discuss architecture
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Wrapped up DAT firmware updates on all 7 units
 - Added bootloader flashing tools to repo. Assisting Tanner with SOM bringup
 - Prepped Pontus for deployment next week
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
 - Continued docking tests with Tethys. Replaced dropweight Monday following
 - Updated LNM
 - Testing simulated oil spill for Buzzard's Bay demo later this month
 - Testing polygon geofencing for EcoHAB
 - Testing low power Hawaii transit mode
- Overhead
- Out of Office
 - 3/10 (kids passports/half day)
 - 3/14-17 (AZ - MST)
 - 05/15 - 06/04 (EcoHAB PDT)
 - 07/02 - 07/09 (HST - vacation)
 - 07/13 - 07/22 (AKDT)
 - 08/01 - 09/03 (EDT)
 - 09/13 - 09/30 (GMT+2 - vacation)

Week 9

- 300082 - DMO Support - Wave Glider
 - Piloting this weekend
- 300083 - DMO Support - LRAUV
 - Assisted with daphne MBTS deployment
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
 - Testing internal environmental simulator following Mike's fix on Tethys which is currently deployed offshore
 - Prepped tethys for deployment and launched yesterday for docking, oil spill sim, and polygon testing
 - Buoyancy issue was resolved on Stella today. Mechanical problem.
 - Checked RDI upward looking DVL for nav integration
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
 - Debugging an issue with sending acomms data to multiple modems
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle

- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
 - Implementation architecture decision to be made
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Fixed issue with navigation when including water speed from RDI DVL
 - Fixed Thruster HE fault interface issue with addition of polling for masked faults
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
 - Fixed dockingServo mode change issue that was ignoring initial commanded value
- Overhead
- Out of Office
 - 3/14-18 (AZ - MST)

Week 8

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
 - Helped troubleshoot Stella mass/buoyancy system
 - Worked on testing of onboard environmental simulation for oil spill demo in March
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Merged decoder fix for BEDs
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Found issue with Thruster HE interface. Working on a workaround
 - Fixed water speed navigation issue
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
 - Worked on the Tethys docking deployment.
- Overhead
- Out of Office
 - 3/14-18 (AZ - MST)

Week 7

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
 - Troubleshooting issues on Stella bringup with mass and buoyancy servos
 - Working on testing oil spill simulation to prepare for demo next month
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON

- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Updated altitude servo behavior to allow for missing altitudes
 - Fixed DAT command mode issue following a fault
 - Re-installed thruster HE after fixing a wiring issue on tethys and closed vehicle
 - Mission updates for line capture testing this week
 - Ran tank docking tests in preparation for deployment this week
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
 - Met with team to discuss deployment
- Overhead
- Out of Office
 - 3/14-18 (AZ - MST)

Week 6

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
 - Met with team to discuss plans for Lake Superior
- 708168 - DHS/LRAUV Under-Ice
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
 - Got NDA signed with our developer at Sumo
 - Chased down accounting issue which showed no MBARI payment for last PO. Issue ended up being a bank software issue on their end.
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Added in water speed for current estimator and ran some tests at sea on tethys
 - Assisting in upgrades to Tethys including HE thruster. Diagnosing possible wiring error.
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
 - Ran docking and charge tests in the tank
 - Preparing for deployment next week. Had to open vehicle due to a leaking connector.
- Overhead
 - Lots of wet wifi testing with coordinated location of waveglider over Tethys to transfer live streaming video
- Out of Office
 - 3/14-18 (AZ - MST)

Week 5

- 300082 - DMO Support - Wave Glider

- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
 - Supported deployment for the Norness oil spill wreck and the noreaster storm chase.
- 800139 - EyeRIS (Remote Imaging System)
 - Met with team to discuss testing opportunity involving backseat commanding depth when it detects a region of interest.
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
 - NDA signed for sub. Working through what issues need to be addressed for our prime (Sliced Bread)
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Added the water speed on DVL to water current estimator
 - Fixed a DAT init issue
 - Tethys is deployed on a wet wifi engineering mission as well as portuguese ledge tests.
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
 - Tank tested with actual dock in preparation for deployment
- Overhead
 - CPR/FA/AED course online
 - Met with high school student per request to discuss STEM career opportunities
- Out of Office

Week 4

- 300082 - DMO Support - Wave Glider
 - Assisted testing acomms on waveglider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
 - Met with team to discuss summer plans
- 708168 - DHS/LRAUV Under-Ice
 - Tested grid mission
 - Attended USCG LRAUV training sessions over the past 2 days
 - Supporting the Norness/Wreck1487 oil spill deployment right now. Returning early due to weather.
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
 - Reviewed L. Erie paper
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
 - Light support answering questions on scheduler
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
 - Wrote a tank test mission for use with the real dock in the tank

- Overhead
- Out of Office

Week 3

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office

Week 2

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
- 800139 - EyeRIS (Remote Imaging System)
- 901009 - CANON
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Added check for
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office

Week 1

- 300082 - DMO Support - Wave Glider
- 300083 - DMO Support - LRAUV
- 600034 - Precision Control Technologies for ROVs and AUVs
- 706007 - USGS Great Lakes Prey Fish Assessment
- 708168 - DHS/LRAUV Under-Ice
 - Met with team to discuss Stella bring up, Norness shipwreck mission Jan 20, USCG training Jan 25/26, and March USCG/NOAA oil spill demo.

- 800139 - EyeRIS (Remote Imaging System)
 - Fixed an acomm issue prior to deployment in the mission. Pictures of fishes were finally transferred to shore via Waveglider
- 901009 - CANON
 - Assisted with MBTS daphne deployment. Configured new GPCTD and adjusted some checklists for operators. Loaded master on daphne for this run.
- 901513 - Targeted Sampling by Autonomous Underwater Vehicles
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Worked with Denis to establish acomm on the bench for BEDs FQT.
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902009 - AUV User Experience Design
 - New PO invoice. Answering some basic questions and getting together a new group of interview candidates from our collaborators. Good feedback was received from the end of last year and the team is busy making changes.
- 902010 - Mesopelagic LRAUV
- 902101 - LRAUV Technology Development and Fleet Operations
 - Tested DAT compass wiring fixes
 - Automated HE thruster configuration parameters
 - Working on HE component final fixes
- 902102 - Multi-LRAUV Simulation Environment
- 902106 - Niobicon-Based AUV Docking Development
- Overhead
- Out of Office