Johann Voigtlander

Week 52

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th
    - Oct 9-13th

Week 51

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Integrated new Cerulean sonar on Blueboat
    - Cleaned lab
    - Added RTC to Blueboat
- 902208 - Mini ROV Operations
    - Building up a 10” PC rack
    - Purchased Focal GME boards
- 902402 - CSEM
    - The shipment finally left!
    - Purchased foul-weather gear
    - Organized files
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
    - Made PO for 4DNAV
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th
    - Oct 9-13th

Week 50

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Debugging Blueboat tailscale disconnection. Purchased an RTC to integrate
    - Drew up sensor baselines in solidworks for data processing
    - Surveyed the harbour where RC & DP moor up
- 902208 - Mini ROV Operations
    - Purchased DVL and VN100, started looking into integrating into the mini
    - Looking into purchasing stock to build a new swing arm mount as a spare
- 902402 - CSEM
    - Got final approval for CSEM shipment to Antarctica. Need to finalize palletizing with Matt & ship the pallets out
- 902504 - Scalable Semantic Mapping
    - Organizing payment for 4Dnav use in the Arctic
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th
    - Oct 9-13th

Week 49

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Completed blueboat survey of the harbour
    - Purchased blueboat spares
    - Looking at transport case for blueboat
- 902208 - Mini ROV Operations
    - Powered 10’ van to inspect AC unit
    - Purchased VN100, computer equipment, made PO for DVL
- 902402 - CSEM
    - Completed BlueROV water sampling modification and validated functionality in the test tank
    - Working on shipping paperwork
    - Packing gear for shipping
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th

        - Oct 9-13th

Week 48

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Debugged Blueboat power issue
    - Completed multiple harbor tests
- 902208 - Mini ROV Operations
    - Completed end-of-year spending sheet
- 902402 - CSEM
    - Packing system for Antarctica
    - Refurbishing BlueROV
        - Creating niskin bottle trigger mechanism for ROV
    - Completing paperwork for shipping
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th
    - Oct 9-13th

Week 47

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th
    - Oct 9-13th

Week 46

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Added Procman & LCM spy to blueboat

        - Event camera tests in the test tank
        - Organized Blueboat harbor survey for DMO
- 902208 - Mini ROV Operations
    - Getting quote for DVL
    - Helping Matt with dangerous goods paperwork to get the containers back to MBARI ASAP
    - Attended Geosense MiniROV deployment meeting
- 902402 - CSEM
    - Moved equipment to ESB
    - Set up the system for a tutorial for Eliana
    - Moved line spooler to ESB to decrease length of line from 250m to 150m for Antarctic trip
    - Working on shipping logistics to Chile
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th
    - Oct 9-13th

Week 45

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Wrapped up code, wiring, and housing for the event camera - ready for testing
    - Installed and enabled Procman on the blueboat, updated documentation
- 902208 - Mini ROV Operations
    - Made Hall sensor cable for thruster redesign
    - Set up an electrical testing jig for thruster tests
    - Found the thruster test tank test setup. Looking for a suitable load cell
- 902402 - CSEM
    - Completed German Antarctic treaty course
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th
    - Oct 9-13th

Week 44

- 702108 - Deployable AI

- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Redesigned the event camera to fit the new lens
    - Enhanced event camera software
- 902208 - Mini ROV Operations
    - Investigated the new AD2S1200 resolver-to-digital board. Interfaced it with our current resolvers
- 902402 - CSEM
    - Met with Eliana to discuss Antarctic deployment
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th
    - Oct 9-13th

Week 43

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Improved code for Eventcam
    - Shrunk housing to use GroupB without the extension
    - Investigating a better lens option with Paul R
- 902208 - Mini ROV Operations
    - Learning more about Maxon drivers for thrusters
- 902402 - CSEM
    - Met with Aaron & Eliana to discuss Antarctic deployment logistics
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th
    - Oct 9-13th

Week 42

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Wired up event camera
    - Fixed bugs in code
- 902208 - Mini ROV Operations

- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th
    - Oct 9-13th

Week 41

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Designed housing for event camera. Mounted components and built electrical harness
    - Improved event camera code, fixed ERC, added record button, added buttons to change FPS, added a timestamp to the filename.
    - Calculated camera FOV in seawater
    - Improved blueboat Norbit mount
    - Fixed blueboat Tailscale networking issues
- 902208 - Mini ROV Operations
    - Had meeting regarding new thruster design
- 902402 - CSEM
    - Figuring out Antarctic shipping logistics
    - Completed Antarctic treaty training course
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
    - Rigging training
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th

Week 40

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Started working on the event camera. Installed and bench tested on raspberry pi
    - 3D modelled all components, working on 3D modelling a mounting plate
- 902208 - Mini ROV Operations
- 902402 - CSEM
    - Working out logistics to ship the equipment from Korea -> MBARI -> Antarctica
- 902504 - Scalable Semantic Mapping

- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th

Week 39

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Working on new event camera
        - 3D model of camera made
        - Electronics purchased
- 902208 - Mini ROV Operations
- 902402 - CSEM
    - Working out logistics of Antarctic deployment. Possibly may not happen due to engine trouble on the ship.
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th

Week 38

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th

Week 37

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations

- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th

Week 36

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th

Week 35

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th

Week 34

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition

- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th

Week 33

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Assisting with Mola in the test tank
    - Purchased RTK GPS options for the Arctic
        - Resolving shipping issues
    - 3D model of the docking station complete
- 902208 - Mini ROV Operations
    - MiniROV high voltage meeting with Alana
- 902402 - CSEM
    - Trigger box housing completed
    - Programming finished and tested
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th

Week 32

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Assisting with Mola in test tank
    - 3D modelling new blueboat Norbit mount
- 902208 - Mini ROV Operations
- 902402 - CSEM
    - Wiring done on the new CSEM triggerbox
    - Continuing code development
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th

Week 31

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Designed and printed mounts for USBL on MOLA and docking station
    - Mola in test tank to collect data
- 902208 - Mini ROV Operations
    - Looked through old NUC PC's and organized them
- 902402 - CSEM
    - Ordered parts for new triggerbox construction
        - Started initial programming
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th

Week 30

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Started Mola2 commissioning, discovered overdischarged batteries
    - Mola1 in the test tank on Tuesday, collecting data
    - Designed and printed mounts for WiSub & USBL on Mola AUV docking station
    - Helped Pushyami repair Blueye ROV thruster
- 902208 - Mini ROV Operations
    - Packaged and inventoried the last few items to ship up to Alaska
- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
    - Blueboat heave test completed
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th

Week 29

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Designed and built Mola AUV docking station

        - Created powerpoint presentation for ASVs
- 902208 - Mini ROV Operations
- 902402 - CSEM
    - Reviewed manufacturing of datalogger housing
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
    - Open house
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th

Week 28

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th

Week 27

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Mobilized & demobilized Ventana mapping drawer
    - Blueboat improvements
        - Base station bulkheads installed
        - Cart stands designed and 3D printed to protect Norbit WBMS
        - Updated software
        - Purchased waterproof camera
- 902208 - Mini ROV Operations
    - Worked out MiniROV 4k camera upgrade budget and video map
- 902402 - CSEM
    - Wrote proposal activities and budget
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
    - Met with the Arctic team to go over AUV/ROV operations
- Overhead

- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th

Week 26

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Constructed the Ventana mapping drawer
    - Blueboat is back together
        - Working on battery safety
- 902208 - Mini ROV Operations
    - Working on Arctic shipping logistics with KOPRI
- 902402 - CSEM
    - Working on Arctic shipping logistics with KOPRI
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th

Week 25

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Blueboat electronics re-installed into new hull
        - Debugged tailscale connection issue
    - Coordinating plan to confirm old batteries are useable or not
    - Installed VN100 into PoE2 can and confirmed all sensors functional
    - Ordered new connectors and daisy-chained lights
- 902208 - Mini ROV Operations
- 902402 - CSEM
    - Drew up engineering drawings for datalogger protective housing to be manufactured
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
    - KOPRI medical documents submitted
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th

Week 24

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Laser assembled in new housing
    - 3D printed PoE can mount brackets and laser/camera caps
    - Tested PoE gear: cameras, lights, multibeams, laser…
    - Ordered parts to daisy chain additional lights
- 902208 - Mini ROV Operations
- 902402 - CSEM
    - Engineering drawings of the datalogger protective housing were made
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th

Week 23

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th

Week 22

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Working on Blueboat Norbit WBMS pole re-design
- 902208 - Mini ROV Operations
    - Following up on delivery date for Focal board. They are still expected to arrive well before the Arctic expedition
- 902402 - CSEM
    - Working with Mr. Shin on winch deck placement changes
- 902504 - Scalable Semantic Mapping

- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 21

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Deployed Blueboat on the beach from the paragon - hull sustained damage
    - Installed cradlepoint router in the boat and installed tailscale VPN
- 902208 - Mini ROV Operations
- 902402 - CSEM
    - Discussions with Mr. Shin regarding CSEM deck placement.
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 20

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Integrated a relay on the Blueboat to remotely power the Norbit
    - Built up a network map of Blueboat - working with Adriana & Travis for Tailscale VPN integration
- 902208 - Mini ROV Operations
- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
    - Debugged Roberto’s SBE 16 CTDs
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 19

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Cleaned up Blueboat wiring

        - Scheduled a deployment with the Paragon, the boat performed well, but requires further upgrades
        - Conducted a blueboat harbour test. Data was processed, and a bathymetry map was created
- 902208 - Mini ROV Operations
- 902402 - CSEM
    - Working on Antarctic logistics
    - Creating a datalogger and triggerbox GUI to see the settings and data stream better
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 18

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 17

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 16

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration

- 902204 - Scalable Robotics
    - Connected Blueboat with 4g/5g modem
    - Prepared blueboat for harbour test
- 902208 - Mini ROV Operations
    - Debugged Focal issue on MiniROV
- 902402 - CSEM
    - Replaced corroded cabling in black winch
    - Rewired winch 3-phase to clockwise rotation for minirov control van
    - Inventorying and packing for Arctic trip
    - Getting new lines made for 3rd and 4th datalogger deployment
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 15

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Cleaning up Atuncita wiring in miniROV control van
    - Routed SDI cable for additional monitors in control van
    - Investigating 4g/5g router installation on blueboat. Looking into zerotier option with Adriana
- 902208 - Mini ROV Operations
    - Printed spare ice core holders for swing arm
        - Getting one made from resin for lower friction
    - Cleaned up cabling in control van
    - Debugged issue with 4DNAV opening up com ports used by vehicle
    - Made winch GUI smaller to fit on copilot screen
    - Verified a few cable assemblies' wiring to be potted
    - Tested out new gas funnel
    - Got a new minirov profile made on windows tablet
- 902402 - CSEM
    - Built up space in control van for topside electronics
    - A large plug was installed in the control van for 208V 3-phase black winch connection
    - Purchased additional GPS loggers and spare parts for deploying 2 additional data loggers
    - Debugged GFCI issue on CSEM power supply - verified equipment safety
    - Built cable for topside voltage and current monitoring
    - Helped out with ITAR/EAR classifications on CSEM equipment
    - Installed power supply in AUV server rack
    - Built up cable to connect 4th datalogger for time sync

- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 14

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - MiniROV in test tank for final Arctic tests
    - I deployed the blueboat in the harbour and tested the RTK GPS and Norbit multibeam.
    - Working on Blueboat 4G/5G modem integration with Adriana
- 902208 - Mini ROV Operations
    - Re-installed Norbit
    - Fixed issues from mobile rack -> container swap
    - Designed and printed mount for ice drill on drawer and quiver
- 902402 - CSEM
    - Winch control panel parts ordered
    - Black winch cover being made
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 13

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Remounted RTK GPS antennas further towards the bow
    - Found GPS offsets
    - Organized harbour deployment for later this week
- 902208 - Mini ROV Operations
    - Synchronized Atlas to the MiniROV Raids with the help of Neil Connor. Purchased spare NAS raid
    - Organized control van, helped cable management
- 902402 - CSEM
    - Completed mob, deployment (x2), and demob on the Fulmar. Deployments went smoothly and were successful
    - Compiled and organized all the data and notes
    - Purchased GFCI test cable to debug potential issues with power supply

- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
    - Sent CSEM load shackle notes to Mr. Shin
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 12

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 11

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Enabled RTK on the BlueBoat
- 902208 - Mini ROV Operations
    - Moved essential electronics into MiniROV lab and reconnected for test tank days
    - Ordered subsea fiber bulkheads and patch cables
    - Debugging the control van input power issues
    - Fixed issues with manip probe, CT, temp probe, and alt/depth in LabView.
        - Problem was with file structure for logging on the co-pilot PC
- 902402 - CSEM
    - Cruise planning and logistics
    - Rewired winch to 240V 3-phase for Fulmar
    - Getting CTD ready for deployment
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 10

- 702108 - Deployable AI

- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Installed Norbit WBMS
    - Charged & Installed 8P batteries for deployment
    - Programmed mission failsafes
    - Advised Vicente how to build thrusters to create a small constant water flow currentt in the test tank
- 902208 - Mini ROV Operations
    - Rebuilt clump thruster and tested
    - Worked out how to sync Atlas & Raid project library using VicaVersa software with the help of Neil
    - Helped Frank install swing arm, additional lights, probe motor, probe camera, temp probe, alt/depth
    - Reconfigured LabVIEW Digi devices to work with the newly installed sensors - still troubleshooting
    - Looking into replacing our raid drive NAS, which has critical errors
    - Purchased additional SDI->HDMI and HDMI->SDI modules for additional monitors and computers in the control van
    - Purchased spare fiber bulkheads & patch cables
    - Renewed LabView license
- 902402 - CSEM
    - Wound up winch, ready for deployment
    - Fulmar is 240V 3-phase, winch voltage needs to be swapped over
    - Organizing crew and logistics
    - Finished all NOAA VPM forms
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 9

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - Removed VN110 from BlueBoat. Helping install InertialSense IMU/RTK sensor
- 902208 - Mini ROV Operations
    - Troubleshooting clump ground fault in motor.
        - Tuned original clump motor, reassembled
    - Found ground fault in clump tilt motor cable.
    - Ordered spare Wago modules
    - Found othe ut specs of the control van power converter for maintenance
- 902402 - CSEM
    - Completed vessel project manager

        - Organizing March 17th cruise
        - Connected Dataq for topside real-time current monitoring
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 8

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 7

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
    - MiniROV In test tank for camera and laser calibrations
- 902208 - Mini ROV Operations
    - Dissasembled clump EPOD
        - Fixed vicor 850 degree C reading. I added an additional PT100 temperature probe.
        - Updated schematics with new changes
    - I opened up the thruster housing and found ‘milky’ oil and some metal particles. We are replacing that thruster in hopes it will clear the ground fault on the clump.
- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 6

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration

- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
    - Test tank camera and laser calibrations for GT
    - Clump EPOD disassembled
- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 5

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
    - MiniROV Dive, 12 hour day, collected animals
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
    - Tool sled swap to benthic setup
    - Reconnected control van to building
    - Upgraded Focal box with diagnostics board
- 902402 - CSEM
    - Adjusted lengths of line on black winch & general maintenance
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 4

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
    - MiniROV Mob
    - GT Dives x3
- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 3

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 2

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation

Week 1

- 702108 - Deployable AI
- 901809 - Deep Sea Bioinspiration
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902402 - CSEM
- 902504 - Scalable Semantic Mapping
- 902505 - 2025 Arctic Expedition
- Overhead
- Out of Office
    - Dec 16th - Jan 10th - Vacation
    - May 30th - June 5th
    - Oct 9-13th