

Scott Jensen Sorted By Project

300078 - DMO Support - AUV

708178 - Marine E Development NAV

- Meetings to continue development of Battery (Week 40)

800165 - eDNA Sampler Trials

808015 - Monitoring McCloud

- Preparatory discussion for the upcoming McCloud Deployment (Week 11)
- Mapping out installation hardware needs (Week 13)
- Preparation and determining required equipment (Week 14)
- Power needs and power station design (Week 14)
- Continued planning for the power stations (Week 15)
- Acquisition of power station components (Week 16)
- Installed two instruments at Bollobokka and The Nature Conservancy (Week 20)
- Watching installations (Week 23)
- Monitoring the power stations (Week 25)
- Still watching the power stations (Week 26)
- Continued monitoring of the power station environment (Week 28)
- Monitoring power station (Week 31)
- TNC has intermittent communications (Week 32)
- Monitoring TNC cooling pump situation (Week 33)
- Trip to perform repair of failed pump at TNC (Week 35)
- Monitoring power subsystems (Week 38)
- Monitoring power (Week 39)
- Monitoring power system health (Week 40)
- Continued monitoring (Week 41)
- Planning towards recovery at end of October (Week 41)
- Continued observation of the installations. (Week 42)

901205 - ESP SURF Center

- Preparing for Australian deployment (Week 3)
- Finally the sampler is packed and has shipped to Australia (Week 5)
- With the equipment shipped it now has been a chance to clean up a few details for this deployment and make sure there are not any forgotten details (Week 6)
- Testing of SURF center assets to make sure they are still functional (Week 15)

- Support development of puck reader (Week 16)
- Development and design of creekside power station (Week 16)
- Preparing for Iceland deployment by fabricating needed parts and collecting equipment (Week 21)
- Supporting lab operations (Week 23)
- Finding solutions to hunting valves (Week 23)
- Support of upcoming 3g deployment and issues with the instrument (Week 25)
- Supporting build up to CANON (Week 26)
- Supporting upcoming deployments (Week 27)
- Support of field deployments (Week 31)
- Bulkhead valves are being a real problem (Week 32)
- Electronic Component failures (Week 32)
- Mechanical assembly failures (Week 32)
- Support continued diagnostic work of bulkhead valve (Week 35)
- Support of other projects (Week 39)
- Preparing for FIDO training meeting (Week 49)

901405 - Wave-Energy Conversion for Oceanographic Applications

- Working on testing out the power electronics (Week 5)
- These are identical electronics, just replacements for the damaged set (Week 5)
- The build of the replacement power converter has been completed along with initial acceptance tests. (Week 6)
- Finally assembly prior to integration is underway (Week 6)
- Monitoring the build up for next deployment (Week 11)
- Batteries, batteries, batteries. Charged, Internal resistance, capacity all checked and 24 identified (Week 13)
- Installed into Buoy (Week 13)
- Meetings about numbers of cells and the like for the design of the battery pack (Week 21)
- Battery development specification meetings (Week 23)
- Meetings and meetings about the battery (Week 25)
- Landing on an external battery for low SoC recovery (Week 25)
- Meetings and discussions about state machines and the best implementation for the battery. (Week 26)
- Battery meetings and specification reviews (Week 27)
- More meetings but getting more focused (Week 29)
- Preparations for a 6x PTO electronics fabrication (Week 31)
- A bit more working getting PCB package out for Fabrication and Assembly (Week 32)
- Another meeting closer to building but some questions linger (Week 33)
- Conducted a sleuthing into the buoy failures. (Week 46)
- 6x build of power electronics is now complete (Week 49)
- Supporting design of HDS battery system (Week 49)

902101 - LRAUV Technology Development

902106 - Niobicon-Based AUV Docking Development

Out of Office

- Vacation December 22- January 2
- Feb 10 - 24 Tasmania Deployment
- Feb 25 - March 7 vacation
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- Funeral
- 7/3-7/25 vacation
- 7/17-22/25 vacation
- 7/(3-7)/2025 vacation
- 7/(17-22)/2025 vacation
- 8/(7-8) Vacation
- 9/(8-12) Vacation
- 9/26 Vacation
- 10/(2-3) Vacation
- McCloud Recovery Oct 27-28

Overhead

- Building G move (Week 3)
- Figuring out where I left off (Week 11)
- Cleaning out stores of batteries (Week 14)
- M-Tech intervues (Week 32)
- A little work on Induction motor dynamics for LARS (Week 38)

Unavailable December 9-10 for training meeting

706008 - READI-Net

- Working on an improved measurement technique of the clamp (Week 6)
- Getting the software repositories up to date (Week 6)
- (Week 6)
- Beginning the processes of ramping back up after shutdown (Week 20)
- Setting up and collecting characterization data for the force sensor (Week 21)
- Working through some software issues related to the latest revision of the instrument mechanics (Week 23)
- Implementing some error handling in the software (Week 23)
- Preparing beta unit as model for 9x build (Week 23)
- Lots of work around building up the first article model (Week 25)
- Most wiring is done (Week 25)

- Fluidics have been plumbed (Week 25)
- Continued work on the code's conversion to exceptions. Mostly cleaning up loose ends. (Week 26)
- Setting up the build environment to reflect that it is running on the FIDO PCB (Week 26)
- Continued work configuring the code for the production unit (Week 27)
- Running instrument and testing for typos (Week 27)
- Testing of the changes in code to exceptions (Week 28)
- Reorganized the various parameters into better categorized files (Week 28)
- Lots of work on the big build (Week 29)
- Continued code clean up (Week 29)
 - New "calibration" files (Week 29)
 - Locating errors and code testing from the exceptions change over (Week 29)
- Implementing error recovery scheme (Week 31)
- Support of 9x instrument build (Week 31)
- Preparing for first run of 100 instruments (Week 32)
- Completed first run of the 10 instruments (Week 32)
- Performed first run checkout on all instruments (Week 33)
- Flow sensor calibrations (Week 33)
- Discussions about puck counter sensor (Week 33)
- Instruments are built now the process of check out (Week 35)
 - Work with contractor to tidy up code (Week 35)
 - Confirming flow calibration (Week 35)
- Dress rehearsal deployment on dock (Week 35)
 - Permission granted (Week 35)
 - Preparing instrument (Week 35)
- Preparing instrument for dock deployment on sept 4 (Week 37)
- Support of Dock Dress and the issues it illuminates (Week 38)
- Recovering from dock dress and building the notes of things to fix (Week 39)
- Implementing some of the fixes found (Week 39)
- Working towards Bozeman trip. Testing system and pulling together required equipment (Week 40)
- Due to shutdown Bozeman trip is most likely canceled. (Week 41)
- To maintain momentum the project is shifting for another dock deployment. With all the lessons learned from the first and work to correct, a second chance will hopefully be just as successful with less learning and more completions. (Week 41)
- First dock deployment unveiled numerous problems and since then these have been dealt with. (Week 42)
- Now, second dock deployment is underway and going much better with hopes that it will continue. (Week 42)
- Much work on code verification and recovery processes (Week 46)
- Preparing for contractor visit to commission remaining instruments (Week 46)
- Wrapping up project and preparing for training meeting (Week 49)