

Doug Pargett

Week 52

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
- 901205 - ESP SURF Center
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office
 - Sick Leave

Week 51

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
- 901205 - ESP SURF Center
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office
 - Sick Leave

Week 50

- 300078 - DMO Support AUV
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- 901205 - ESP SURF Center
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- Overhead
- Out of Office
 - Sick Leave

Week 49

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Meetings with Function to review design status.
- 901205 - ESP SURF Center
 - Designing new blank cartridge parts for improving pressure testing. Getting first test articles made.
 - Designing changes to the G3 mechanism for the Function cartridges. Fixing fastener hole misalignments.
- 901800.98 - Bioacoustic Payload

- Overhead
 - Engineering mtg
- Out of Office
 - Sick Leave

Week 48

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
- 901205 - ESP SURF Center
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office
 - Sick Leave

Week 47

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
- 901205 - ESP SURF Center
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office
 - Sick Leave

Week 46

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
- 901205 - ESP SURF Center
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office
 - Sick Leave

Week 45

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Meetings with Function for the new Archive only cartridge.
 - Redesigning the G3 ESP spindle assembly for the Function cartridges.
- 901205 - ESP SURF Center
 - Creating G3 ESP models for animation studios
- 901800.98 - Bioacoustic Payload
- Overhead

- Out of Office
 - Sick Leave

Week 44

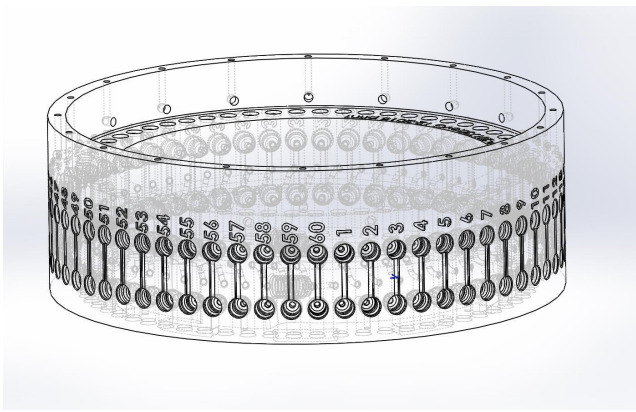
- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Meetings for the
 - Redesigning the Toroid Valve array and several other parts.
- 901205 - ESP SURF Center
 - Disassembled Honu to inspect the cartridge bus cabling assembly, reassembled Honu.
- 901800.98 - Bioacoustic Payload
- Overhead
 - Engineering mtg
- Out of Office
 - Annual Leave
 - Sick Leave

Week 43

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Redesigning the G3 ESP toroid valve array and cartridge mounting system to use the new Function cartridges.
 - Meetings and discussions about cartridge springs and testing.
- 901205 - ESP SURF Center
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office
 - Annual Leave
 - Sick Leave

Week 42

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Started redesign of toroid array... about 10% done so far. Lots of other parts in the G3 system will need to be redesigned as well.



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- 901205 - ESP SURF Center
 - Meetings
- 901800.98 - Bioacoustic Payload
- Overhead
 - Seminar
- Out of Office
 - Leave

Week 41

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Built up an actuator and single cartridge seawater valve for the Tower instrument. Installed and upgraded Tower.
 - Develop a few concept designs of valve push/pull and release mechanisms to possibly replace the spring return system that is getting stuck. One concept is quite promising.
- 901205 - ESP SURF Center
 - Inspected and refilled the oil dome on Honu.
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office
 - Leave

Week 40

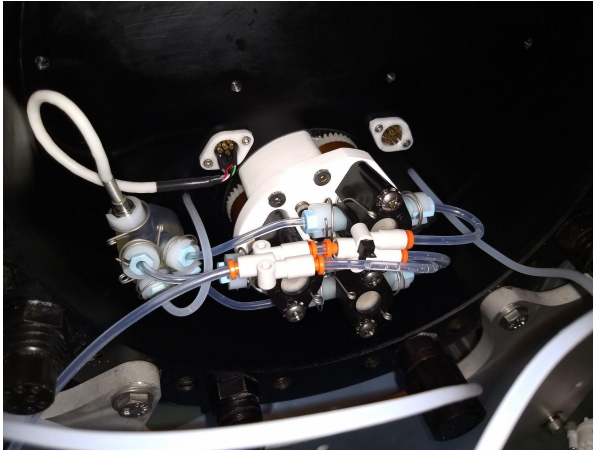
- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Developing a push and pull valve pin grabber
- 901205 - ESP SURF Center
 - Cleaning up, Organizing ESP lab
 - Rebuilt oil dome on Honu
 - Replaced a few TV valve seals on Honu
- 901800.98 - Bioacoustic Payload
- Overhead
 - Meeting
- Out of Office
 - Leave

Week 39

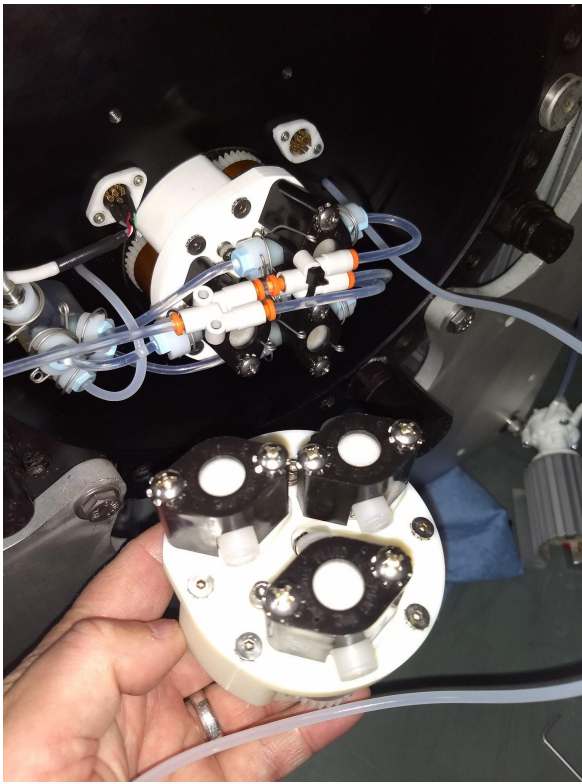
- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Testing cartridges and spring
- 901205 - ESP SURF Center
 - Rebuilding pumps and repairing ESP instruments
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office

Week 38

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Testing new cartridges at pressure
 - Testing of PV actuation forces
 - Designing new toroid valves for bench instruments.
- 901205 - ESP SURF Center
 - Installing a new pump assembly in Honu



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- Rebuilding a G3 pump assembly.



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- 901800.98 - Bioacoustic Payload
- Overhead
 - Hollaback training
- Out of Office

Week 37

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Testing cartridges and forces to actuate valves
- 901205 - ESP SURF Center
 - Rebuilt oil dome assembly on MV1, starting on Honu.
- 901800.98 - Bioacoustic Payload
- Overhead
 - Meetings, Seminars, etc
- Out of Office

Week 36

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Testing the new cartridge at pressure.
- 901205 - ESP SURF Center
 - Rebuilding oil domes on 3G ESP instruments
- 901800.98 - Bioacoustic Payload
 - Removed material of driver weight to better fit inside shell
- Overhead
 - Engineering mtg

- Out of Office
 - Holiday

Week 35

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - In the few hours I could be onsite this last week, I helped modify the Alpha 3 cartridge and it passed pressure testing.
 - Picked up equipment from Function in Palo Alto.
- 901205 - ESP SURF Center
 - A couple meetings...
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office
 - Work from home...
 - Covid testing for possible school exposures.

Week 34

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Pressure testing of Alpha 3 cartridge
 - Setting up to test a press fit seal pin on cartridges
- 901205 - ESP SURF Center
 - Meetings, lab organization.
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office
 - Sick leave

Week 33

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
- 901205 - ESP SURF Center
 - Rebuilt the FlowerPot pump housing with a polyurethane diaphragm and viton orings.
 - Installed the bulkhead valve assembly with the 3d printed frame onto FlowerPot.
 - Setup the MV-3 instrument to be in the FlowerPot housing. ESP Koa will get rebuilt to use the new Function design cartridges.
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office

Week 32

- 300078 - DMO Support AUV

- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
 - Started cleaning and doing post deployment inspection of Koa.
 - EPDM oil comp diaphragm lost flexibility and EPDM o'rings may also have suffered. Planning to test polyurethane and some other rubber materials for oil comp diaphragm.
- 881135 - 3G ESP Cartridge Redesign
 - Vacuum testing of V2.2 cartridges with Nadia
 - Dropped off the Stumpy ESP Instrument and equipment at Function's Palo Alto office.
- 901205 - ESP SURF Center
 - Setting up to test the old 4km ESP style pulse suppressor in the Koa instrument.
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office

Week 31

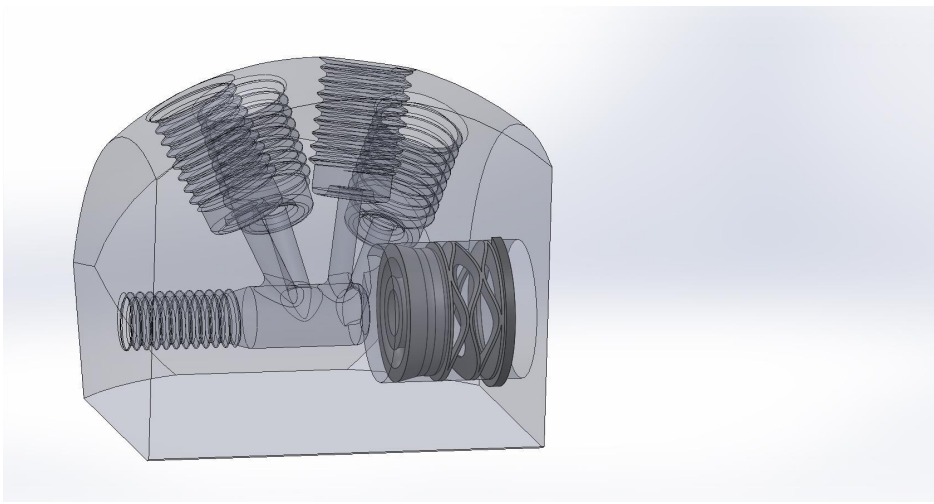
- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
- 901205 - ESP SURF Center
 - Working on concepts for a mechanical pressure damper that might fit in the oil chamber of 3G ESP.
- 901800.98 - Bioacoustic Payload
- Overhead
 - Engineering meeting
- Out of Office
 - Vacation

Week 30

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
- 901205 - ESP SURF Center
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office
 - Vacation

Week 29

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Following the design mods and tests, commenting when needed.
- 901205 - ESP SURF Center
 - Designing a possible mechanical pulse damper for the G3 ESP sampling pumps.



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- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office
 - Vacation

Week 28

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Investigated a proposed plunger material change.
 - FEA work on thermal heating of the cartridges to try and predict how proposed changes might work with the existing heater.
- 901205 - ESP SURF Center
 - Answering questions
 - Investigated a potential collaboration.
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office
 - Holidays, vacation

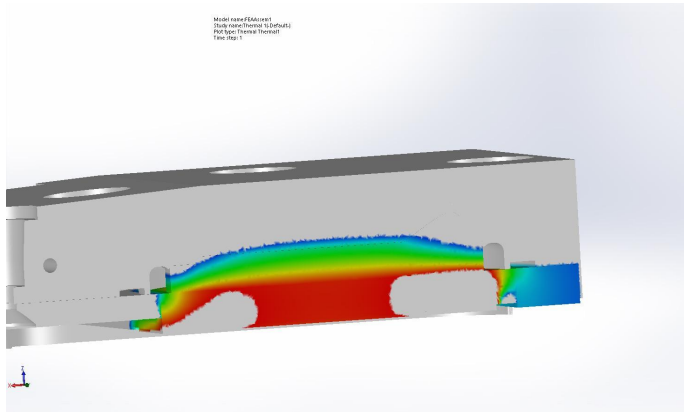
Week 27

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
- 901205 - ESP SURF Center
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office

Week 26

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign

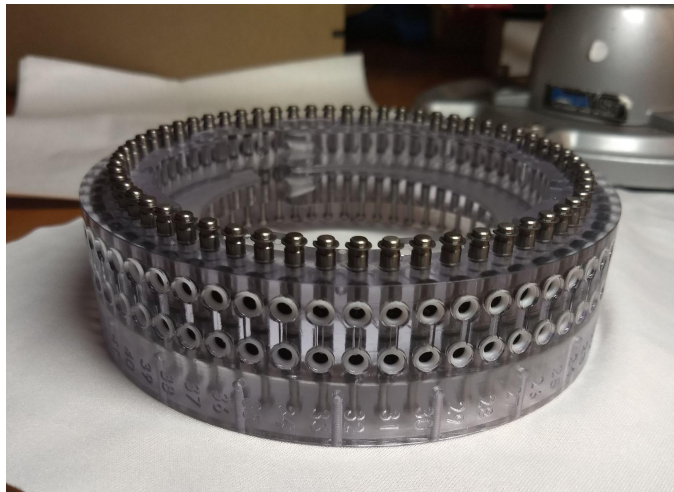
- 901205 - ESP SURF Center
 - Lots of thermal FEA to investigate what is driving temperature gradients across the sample filter.



- - Pressure and cold testing of MV2.
- 901800.98 - Bioacoustic Payload
 - Inspected the gimbal assembly, and fixed a protruding screw head.
 - Adjusted cable ties/clamps to improve motion clearance.
- Overhead
- Out of Office

Week 25

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Ran several FEA analyses on proposed mods to the alpha 3 cartridge.
 - Meetings
- 901205 - ESP SURF Center
 - Assembled a new warp core. (Actually, I installed the 120 port seals around the new Toroid valve ring from the MV3 ESP.)



- - Started pressure testing of MV2.
- 901800.98 - Bioacoustic Payload
 - Installed stainless steel backing plates to try and shield the transducers from “crosstalk”.



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- Overhead
 - Engineering mtg.
- Out of Office

Week 24

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
- 901205 - ESP SURF Center
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office

Week 23

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
 - Rebuilt some parts to the Koa ESP
 - Installed Koa on Saildrone Surveyor for Hawaii mission
- 881135 - 3G ESP Cartridge Redesign
 - Running FEA of Alpha 3 design. Looks promising, still have some questions on a seal arrangement.
- 901205 - ESP SURF Center
- 901800.98 - Bioacoustic Payload
- Overhead
 - Solving network issues and remote access.
- Out of Office

Week 22

- 300078 - DMO Support AUV

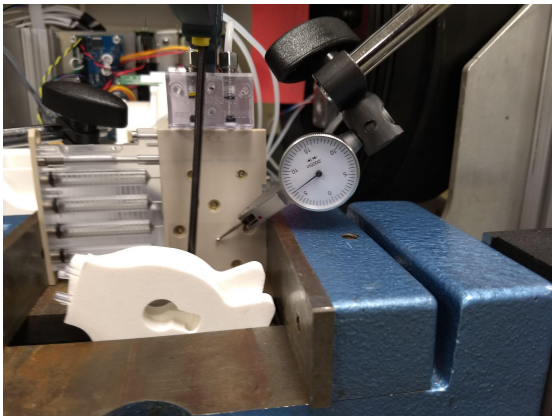
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
 - Recovered the Koa ESP from the Saildrone Surveyor
- 881135 - 3G ESP Cartridge Redesign
 - Testing cartridge fastener strength
 - Reviewing the newest alpha 3 design
- 901205 - ESP SURF Center
 - meetings
- 901800.98 - Bioacoustic Payload
- Overhead
 - Solving some network problems
- Out of Office
 - Holiday

Week 21

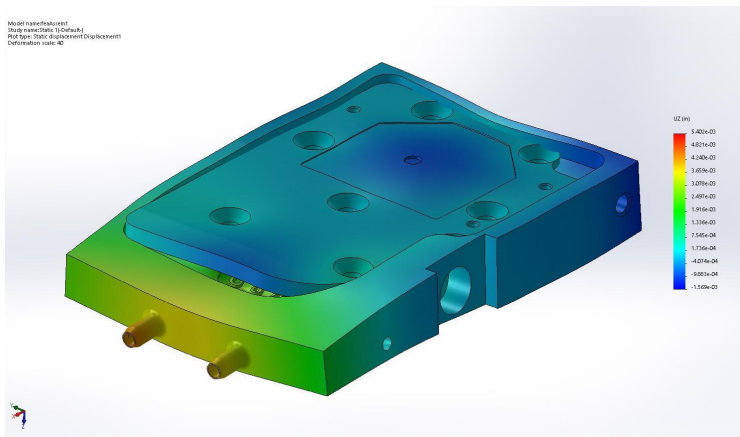
- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - More testing of cartridges to narrow down the leak path.
 - FEA of the model to try some new options
- 901205 - ESP SURF Center
 - Prep MV2 for initial leak testing
- 901800.98 - Bioacoustic Payload
- Overhead
 - meeting
- Out of Office

Week 20

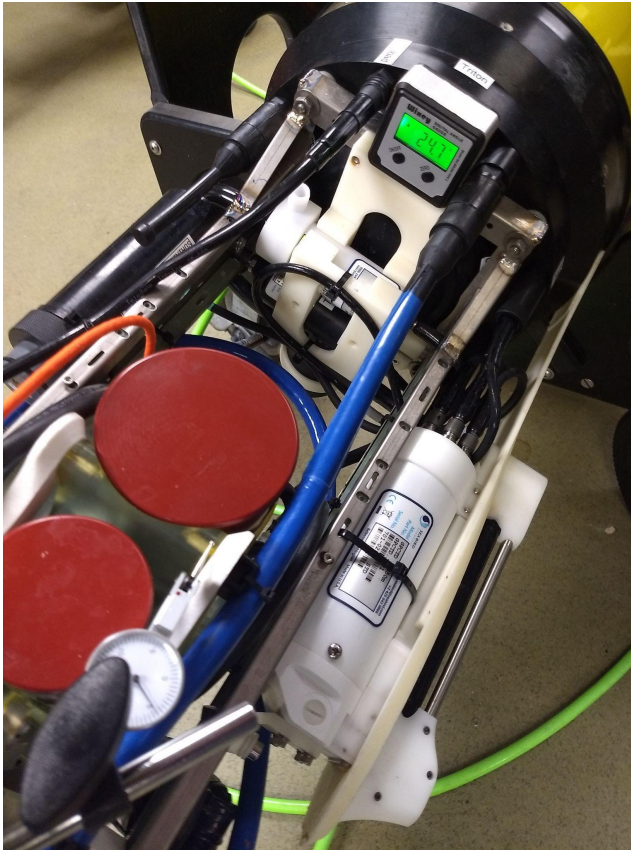
- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Lots of cartridge testing and FEA analysis



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- 901205 - ESP SURF Center
 - Meetings and a bit of work to prep MV2 for more testing
- 901800.98 - Bioacoustic Payload
 - Measured deformation of structure due to vehicle roll.



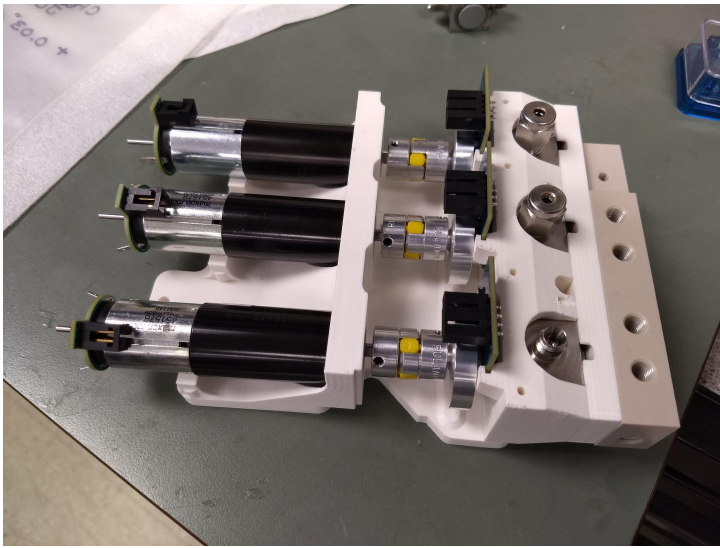
- Overhead
- Out of Office

Week 19

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
 - Made a new ESP intake and delivered it to Saildrone.



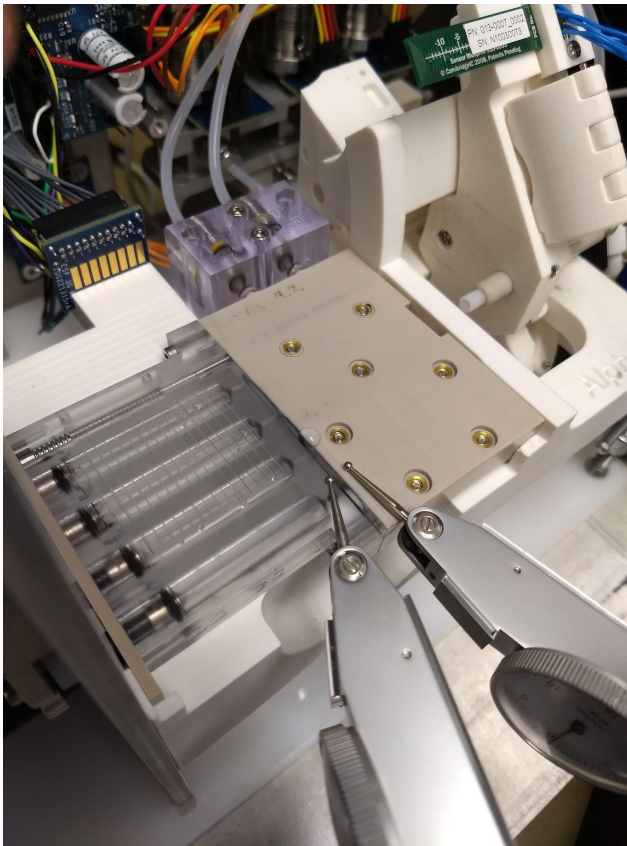
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- 881135 - 3G ESP Cartridge Redesign
 - Lots of cartridge testing.
- 901205 - ESP SURF Center
 - Meetings and interviews
 - Built up the new bulkhead valve block.



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- Added new parts to MV3 for testing
- 901800.98 - Bioacoustic Payload
 - Shaped the new lead gimbal weight and adjusted the mechanism to try and best fit the available swing area. More adjustment is probably needed.
- Overhead
 - Usual meeting
 - Battery safety review meeting
- Out of Office

Week 18

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Pressure testing new cartridges, seal mods and assembly methods.



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- 901205 - ESP SURF Center
 - Lots of online meetings.
- 901800.98 - Bioacoustic Payload
 - Adjusted the gimbal mechanism for better operation.
 - Sculpted the new lead weight to clear the shell.
- Overhead
- Out of Office
 - Some sick time after jab 2...

Week 17

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Reviewing new cartridge designs to try and find possible leak sources.
 - Inspecting parts and assemblies
 - Setting up method to measure cartridge deformation while testing new cartridges.
- 901205 - ESP SURF Center
 - Building up new 3G pump assembly to test pressure pulse reduction methods.
- 901800.98 - Bioacoustic Payload
- Overhead
 - Seminars
- Out of Office
 - A few hours for the dentist and the vaccinators

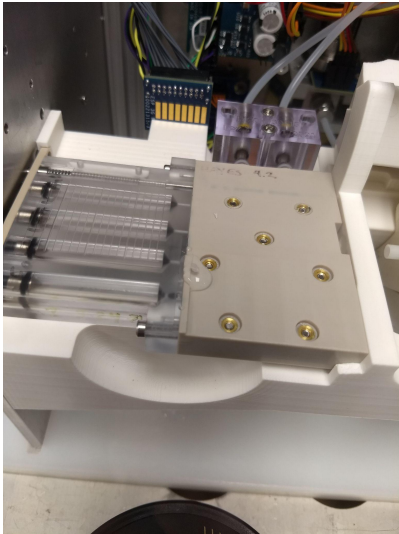
Week 16

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB

- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
- 901205 - ESP SURF Center
 - Meetings
- 901800.98 - Bioacoustic Payload
- Overhead
 - Seminars
- Out of Office
 - A few days off

Week 15

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Assisted in pressure testing of new test cartridges. We found some more leaks, but getting closer to the goal! Will likely need torque tools to pre-load screws correctly during assembly.



- Ordered lab tools to help measure part deformation when testing cartridges. We may need to “shape” some components to better seat the seals during assembly.
- 901205 - ESP SURF Center
 - Requested final parts from the shop to build new G3 bulkhead valve assembly with the 3d printed frame.
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office
 - A few days off.

Week 14

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Pressure tested the FrankenTower.
 - 1st run of new cartridge tests (on parts that we knew had manufacturing problems) showed check valve leaks.
- 901205 - ESP SURF Center

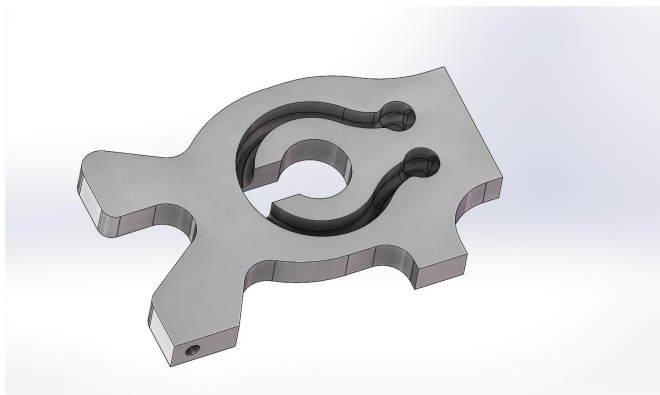
- Building up new bulkhead valve assembly with 3d printed frame. Several mods and new parts needed.
- Reviewing G3 pump pulsing conditions.
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office

Week 13

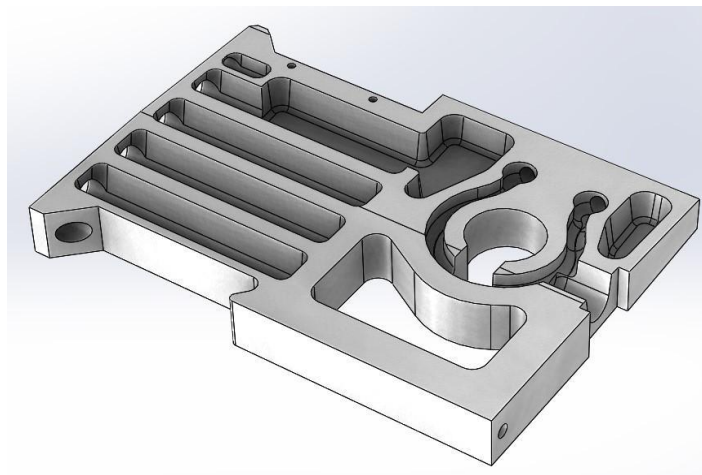
- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
 - Waiting on Saildrone...
 - Parts sent to shop for print
- 881135 - 3G ESP Cartridge Redesign
 - Redesigning new toroid valves to have retaining-hardstop clips removable when the instrument is fully assembled. This allows for a valve to be removed and have the seals replaced while the mechanism /instrument is fully assembled. In the last couple of weeks, we needed this benefit of the old system.
- 901205 - ESP SURF Center
 - Lots of zoom meetings
 - Parts sent to shop for print.
- 901800.98 - Bioacoustic Payload
- Overhead
 - Engineering meeting
 - Seminar
- Out of Office

Week 12

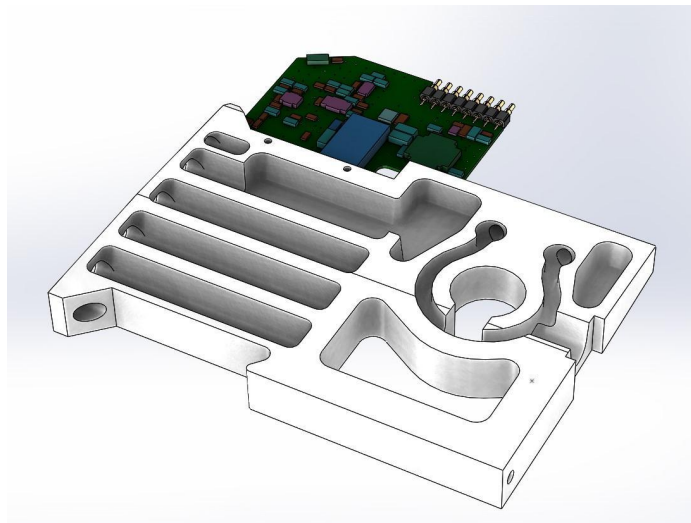
- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
 - Discussing how to improve the ESP's seawater intake system on the Saildrone.
- 881135 - 3G ESP Cartridge Redesign
 - I designed a new "blank" cartridge that matches the porting and geometry of the new G3 ESP cartridges. The old blank cartridges were called "Fish" due to their shape. It is unlikely we can continue to call these "Fish". Perhaps "Not A Fish"



- A Fish:



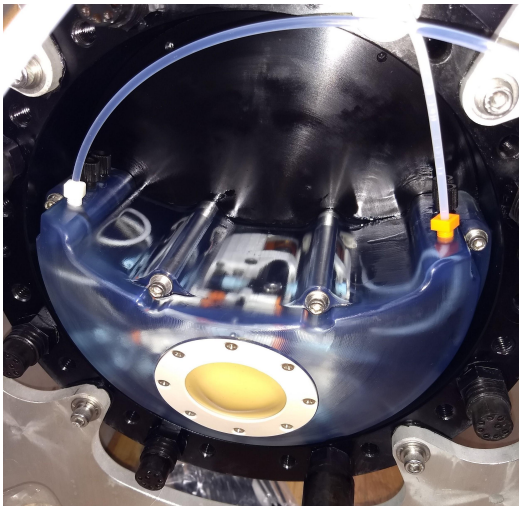
- Not A Fish:
- These also have the capability of accepting a small electronics board and that would upgrade the blank cartridge to be “Smart”.



- Smart Not A Fish:
- 901205 - ESP SURF Center
 - Replaced valve pins and seals on a few carousel positions of the ESP Honu instrument.
 - Inspected and realigned the carousel drive on MV2 due to a gear slipped on the shaft.



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- Installed a pump into the MV2 instrument, and filled the oil dome. This oil dome was printed on MBARI's in-house acrylic 3D printer. Thanks!



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- 901800.98 - Bioacoustic Payload
- Overhead
 - Seminar
- Out of Office

Week 11

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
- 901205 - ESP SURF Center
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office

Week 10

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - ESP Tower has been pressure calibrated, pump installed, and oil chamber filled.
 - Setting up for static hydrotest, and pressure testing of Tower with a mock-cartridge.
- 901205 - ESP SURF Center
 - Discussion with Lee Valve Co about G3 ESP valve needs, and G2 ESP valves that are being obsoleted by another mfg.
 - Testing of the pump on ESP Honu to see if there's a problem with it. So far it looks ok as most of the other pumps also have this pressure fluctuation. More testing needed to see what we can do about it.
- 901800.98 - Bioacoustic Payload
- Overhead
 - Director dialog and Wednesday seminar
- Out of Office

Week 9

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone

- Following along Saildrone's ocean testing and occasionally answering a question.
- Designing a single flush bottle holder for the front of the G3 that will fit thru the small hatch of the Saildrone without needing to be removed and reassembled inside the vehicle.
- 881135 - 3G ESP Cartridge Redesign
 - Our equipment is back and the team is meeting with Function on their status and next steps.
 - Calibrating the Tower instrument's pressure sensors for High Pressure testing of the new cartridges.
- 901205 - ESP SURF Center
 - Calibrating MV2 for new pump installation and build-up.
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office

Week 8

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
 - After the fix to the Koa G3 ESP instrument last week, it passed all tests and got reloaded with several cartridges. I helped prep the instrument and took it up to Alameda and helped get it installed in the Surveyor Saildrone. Initial tests look good.



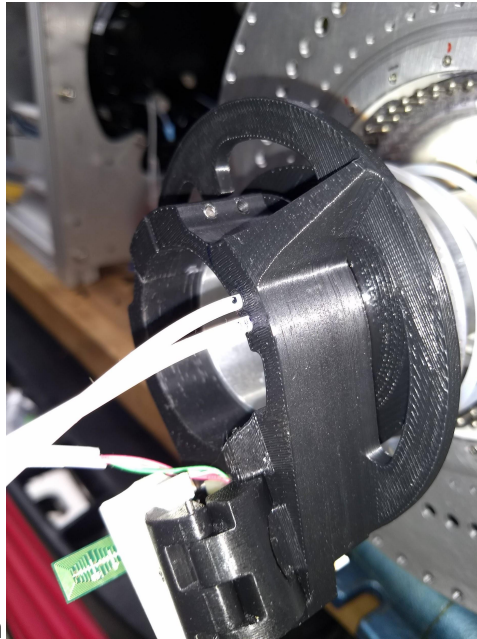


- 881135 - 3G ESP Cartridge Redesign
 - Function had a problem with a component on the single cartridge ESP they are using. I got them a replacement part from our other instrument, and gave them direction on how to replace it.
- 901205 - ESP SURF Center
 - Meetings, answering emails...

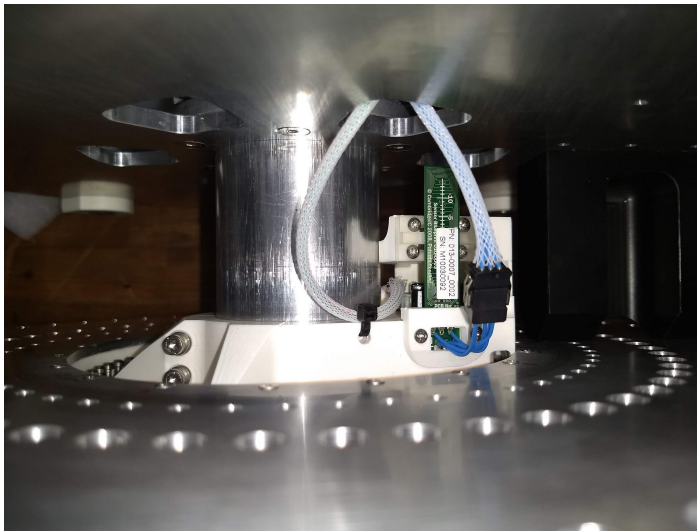
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office

Week 7

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
 - Assembled a new bleach bottle holder for the FlowerPot Housing
 - Helped prepare Koa for deployment
- 881135 - 3G ESP Cartridge Redesign
 - Got the Stumpy instrument to Function for testing the new cartridges.
- 901205 - ESP SURF Center
 - Repaired the Koa ESP instrument after a part broke and misaligned deep inside it.



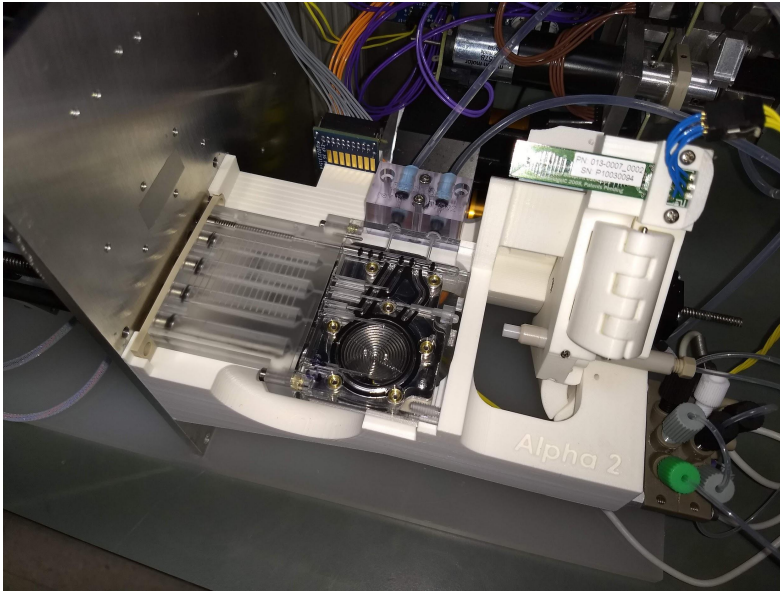
- Broken



- Fixed
- 901800.98 - Bioacoustic Payload
- Overhead
 - Engineering meeting
- Out of Office
 - Holiday

Week 6

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Rebuilt the single cartridge ESPs to work with the newest test cartridges.



- 901205 - ESP SURF Center
 - Working on a concept for an electromagnet tipped actuator for the G3 ESP.
- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office

Week 5

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
- 901205 - ESP SURF Center
 - Completed redesign of bottle holder. Submitted fab request to shop.
- 901800.98 - Bioacoustic PayloadOverhead
- Out of Office
- Overhead
 - Annual Review
 - Engr meeting

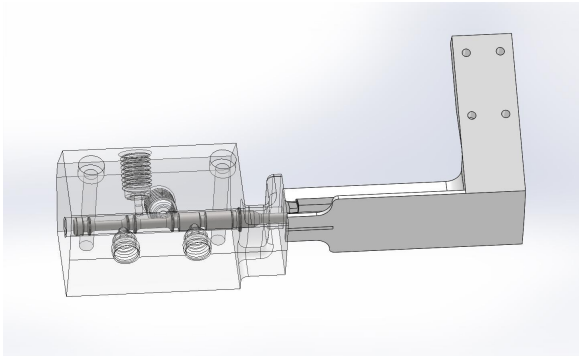
Week 4

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Sent new cartridge port coupling to Protocafe for 3d printing.
- 901205 - ESP SURF Center
 - Finished bulkhead valve redesign and submitted parts to MBARI shop for 3d printing.
 - Started redesign of Flowerpot bleach bottle bracket.

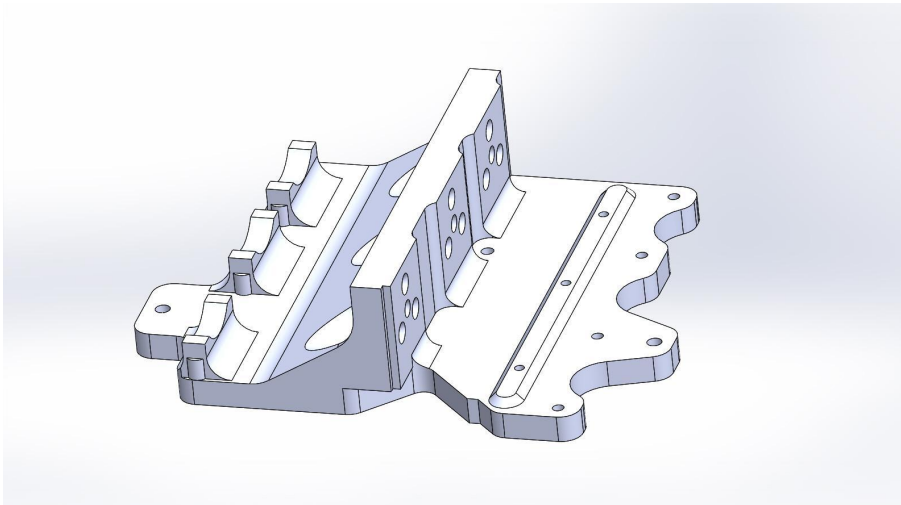
- 901800.98 - Bioacoustic Payload
 - Prepared documents for annual review
- Overhead
- Out of Office

Week 3

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
 - Revising Toroid Valve for Alpha 2.2 cartridges



- 901205 - ESP SURF Center
 - Meetings
 - Coordinating with shop for fab of parts, checking with outside shops.
 - Design mod for bulkhead valves to use different flex coupling to assist assembly.
 - Final changes to bulkhead valve mounts prior to 3d print.



- 901800.98 - Bioacoustic Payload
- Overhead
- Out of Office
 - MLK Holiday

Week 2

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
- 901205 - ESP SURF Center

- Revised the bench ESP stage to match the new cartridge and sent it to Ray for 3d printing.
- Traced back which parts got printed and which ones got delayed at the end of last year. Requesting one to be made at an outside shop.
- Designing new 3G toroid valve to work with the new cartridge port spacing.
- 901800.98 - Bioacoustic Payload
- Overhead
 - Training
 - Resolved an annoying Solidworks file bug.
- Out of Office

Week 1

- 300078 - DMO Support AUV
- 708143 - NOAA ECOHAB
- 708146 - NOPP Saildrone
- 881135 - 3G ESP Cartridge Redesign
- 901205 - ESP SURF Center
 - Meetings
 - Updating the solid models for the Bench G3 ESP (and subsequent 3d prints) to use the Alpha 2 cartridges coming from Function. Solidworks has some new bugs... likely due to still using the 2019 version.
- 901800.98 - Bioacoustic Payload
- Overhead
 - Meeting
 - Solidworks issues
- Out of Office
 - A day of "vacation" on Monday.