

Jon Erickson Sorted By Project

300070 - DMO Support - Ventana

300079 - DMO Support - Rachel Carson

- J-Box review. (Week 9)

300083 - DMO Support - LRAUV

701145 - Penguin Hotspots

- All the gimbal parts have arrived. Need to order hardware for assembly. (Week 1)
- Starting assembly of EK80 gimbal assembly for REMUS (Week 3)
- Still doing assembly on the gimbal parts. Seeking vendors for the shell parts connected to REMUS (Week 5)
- Paul M. has the tilt board to mount on the EK-80 electronics (Week 6)
- Aaron is machining the pressure case tube to fix the mistakes. (Week 6)
- Still working on gimbal assembly. (Week 6)
- Still trying to assemble the gimbal parts. Aaron is fixing the EK80 electronics cases. (Week 7)
- Finishing the Gimbal Assembly. (Week 9)
- Working on outside vendors for fiber parts(G-10) (Week 13)
- I'm a month behind and probably won't make the May sea trial with U. Maryland. Had a talk with Chad, not sure how he will de-scope. Just can't get all the parts in in time. (Week 15)
- Still fighting the parts battle to acquire parts in time. (Week 18)
- Fixing a less than adequate bracket design. (Week 18)
- Waiting on a second ti frame nose frame. (Week 18)
- Working on weight and balance for the EK-80 Gimbal assembly on Remus. Right now we are too heavy. (Week 20)
- Have almost all the parts on order or in hand. Still trying to acquire the foam flotation. (Week 22)
- Shell parts are due the end of June. Will need to be glued up here. (Week 22)
- Still doing assembly. Both gimbal assemblies are done. Waiting on the flow shell parts from vendors. (Week 23)
- Waiting on the shell (shroud) parts to be delivered. "Some assembly required". (Week 27)
- We've received all the shroud parts for the REMUS. Will start assembly tomorrow. (Week 28)
- REMUS EK-80 parts and assembly is done, except for the foam flotation. Arrives today. (Week 29)
- The foam finally arrived from Ideal Instruments. Perfect fit. (Week 30)
- Had to grind on the shroud parts to make them fit. Cut the tolerances too close. (Week 30)
- All the parts for the EK-80/gimbal/REMUS have been delivered and installed. (Week 31)

701147 - MARS O&M IV

701147.99 - MARS IV Node Upgrade

800139 - EyeRIS (Remote Imaging System)

- Starting to produce parts for 1500m EyeRis housing. Pressure case and chassis. (Week 13)
- 1500m EyeRis case parts are in the shop queue. (Week 15)
- Waiting on parts. (Week 18)

- The shop is still working on the 1500m version (Week 23)
- Received the last of the 1500m camera case parts. Need to be Q.C.'d. (Week 31)
- The 1500m pressure case tube is an inch too short for the interior cabling necessary. New tube to the shop! All the other parts are Q.C.'d and ok. (Week 39)

901217 - Chemical Sensor Program

- Finished two more mod's to the ISUS Spectrometer assembly. (Week 1)
- Assembling an ISUS-APEX Composite pressure case for Ballast testing. (Week 1)
- ISUS-APEX Pressure tester still leaks (Week 2)
- Assembling ISUS-APEX Composite case for Buoyancy testing. (Week 2)
- Pressure test chambers for ISUS probes. (Week 3)
- Calcs and solids for a pressure test cell for the complete ISUS sensor and stem. (Week 5)
- Prints for yet another pressure tester, for the entire ISUS sensor and stem. (Week 6)
- New pressure tester for the ISUS stem assembly. Copied the previous Swagelok VCO assembly. (Week 7)
- ISUS Stem pressure tester parts in the shop queue. (Week 9)
- Still trying to solve the equitech sensor test leakage. (Week 15)
- Received a new set of pressure test parts, still need to do Q.C. (Week 18)

901405 - Wave-Energy Conversion for Oceanographic Applications

- Take a look at the top level UW assembly. Waiting on Scott for the flat ribbon dimensions & lugs for the power leads. (Week 39)
- Working on adapting to UW's generator end cap. Will need a detail machine print to make a new substitute part. (Week 41)

901618 - Pelagic-Benthic Coupling and the Carbon Cycle

901805 - Coastal Biogeochemical Sensing Program

- kick -off meeting. I'm on the hook for the mechanicals of the "modFET" Ph sensor; press. Case, chassis, etc. (Week 5)
- Working on interior layout with the nanoFET ph board. (Week 6)
- And a pressure case to go with it. (neutrally buoyant of course). (Week 6)
- nanoFET - Working on the interior layout with the circuit board. (Week 7)
- Have three assembly designs, depending on the choice of sensor. No decisions yet. (Week 22)
- Working on flow cells for nanoFET. (Week 29)
- Working on pico-pH case/chassis/flowcell integration. (Week 30)
- Finished the top level design for the pico-pH-sub sensor tests. (Week 31)
- The pico-pH case design is in the shop queue. Three items. (Week 37)
- Waiting on the pH sensor pressure case parts from the shop queue. (Week 39)
- pico-pH sensor. Rev'd the parts in the shop queue. (Week 41)

901809 - Deep Sea Bioinspiration

- Subastian interface can end cap in the shop for mod. (Week 6)
- I still need to re-assemble the Falcore interface can. (Week 13)
- Started working on "multicam". Interior chassis parts. (Week 29)
- Working on the multicam case/chassis. (Week 30)
- Started the MultiCam interface can design. (Week 31)
- Finished the multicam interface can. We need the Mini ROV tool sled to finish the mounting. (Week 37)
- Multicam: Trying to finish the pressure case prints to get in the shop queue. (Week 39)
- Multicam pressure case parts and chassis parts are in fab.. (Week 41)

901911 - ROVVR

902004 - Planktivore

- Remote Batt. Pack parts are ready for Fab. (Week 1)
- Remote Batt. Case parts in the shop - 4wks. (Week 2)
- Remote Batt. pack parts in shop queue. (Week 3)
- Endcaps out for anodize, pressure case tubes are done. Waiting on chassis parts. (Week 5)
- Pressure case end caps are out for Anodize. (Week 6)
- Final assembly of the remote battery cases. (Week 7)
- Spent most of the last two weeks in design and drafting for the pressure case and “flashlights”. (Week 37)
- Will do a preliminary design review on Fri. to eliminate some of the design options. (Week 37)
- Flow SIM results for the “flashlights” produced good results. Starting the drafting for all the parts, (19 parts). (Week 39)
- Working on interior optics parts prints. There are still questions about machining the flashlights. (Week 41)

902010 - Mesopelagic LRAUV

- Pressure test protocol with Aaron to go to Maripro. (Week 5)
- Waiting on the strain gauges. (Week 5)
- Started working with Ti_squared for the hull end domes. (as Castings). (Week 6)
- Requested a quote for casting the hull end domes. Similar to LRAUV but larger. (Week 7)
- Pressure hull parts. End Domes, Rings, Motor Tube, all in Fab. (Week 9)
- Shop has the material for the tube end rings, and motor tube. (Week 15)
- The end dome machining of the castings is in the shop queue. (Week 20)
- Shop is machining the titanium end domes for the pressure hull. The castings came in slightly under size for machining allowance. Will have that discussion with Ti-Squared at some point. (Week 22)
- Aaron is still gluing the strain gauges in the hull tube. (Week 22)
- Have prints for the Chassis assembly and Load Control, as well as the prints for the assembly cart. All these are being drawing checked. (Week 23)
- Working on the new drop weight parts. Modifying the larger (2 liter) external buoyancy bladder to accommodate. (Week 27)
- Working on the necessary new fabricated parts. (Week 28)
- Working with Aaron to get the Lab View Dac working with the strain gauges and storing data. (Week 29)
- Space for the new Sierra wireless radio? (Week 29)
- The as built carbon tube came in over size from the advertised dimensions. Will need to Rev the titanium end rings to fit. (Week 37)
- Re-work on the titanium end domes is done. Re-work on the Ti end rings is waiting on Ray's return. (Week 39)
- The rear end dome weldment is completed, Brett, is assembling all the connectors and plugs to be water tight. (Week 41)

902101 - LRAUV Technology Development and Fleet Operations

- New materials for the nose shells from Carbon Scope Tubes. (Week 29)
- In the process of Rev'ing the battery bulkheads. Shipping damage is tearing them apart. (Week 39)
- Rev'ing the battery chassis parts yet again. Rev. D and Rev. G. (Week 41)

902107 - Microbiology Experiment on MARS

902201 - Blue Whale Observatory

Out of Office

Overhead

- Still working with and advising Quest Institute. Mostly about their MARS experiment. (Week 24)