

Denis Klimov

Week 52

- 300083 - DMO Support - LRAUV
- 800139 - EyeRIS (Remote Imaging System)
- 901809 - Deep Sea Bioinspiration
- 901903 - BioRAMAN
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 51

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 - We have parts started coming together for the Fluume assembly integration. Couple of important pieces are still being made: Aquarium assembly (by Gary Plastics Place) and Mounting Plate (need functional water jet for this one). We can, however, start on the assembly with what we have, assemble lifters, access integrity, replace casters, add crossbarace and modify assembly as needed while waiting for parts.
- 902101 - LRAUV Technology Development and Fleet Operations
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Week 50

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Week 49

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Week 48

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Week 47

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Week 46

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 - We have a conceptual design of key components for Aquavore / Fluume adaptation: (1) Aquarium designed to transit water flow from round water pipe to rectangular optical section, allowing access to the flow structure from the water free surface; (2) Wide version of Aquavore Base supporting the aquarium; (3) Lifting assembly holding the Aquavore Base and Aquarium, allowing vertical adjustment under load.
 - Currently, finalizing parts, detailing drawings, and placing orders
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 45

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Week 44

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Week 43

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Week 42

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Week 41

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Week 40

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Week 39

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Week 38

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Week 37

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- 901809 - Deep Sea Bioinspiration
- 901903 - BioRAMAN
- 902004 - Planktivore
 - We are looking at building a mobile setup for Aquawore.
- 902101 - LRAUV Technology Development and Fleet Operations
 - Removing LRAUV project related parts from building G.
- Overhead
 - IFCB on Power Buoy is deployed!
- Out of Office

Week 36

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- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 35

- 300083 - DMO Support - LRAUV
- 800139 - EyeRIS (Remote Imaging System)
 - Revising battery pack design for EyeRIS using newly compiled Battery System Design Check-List
- 901809 - Deep Sea Bioinspiration

- 901903 - BioRAMAN
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - This week we have a deployment of IFCB on Power Buoy; at this time more or less routine deployment still requires careful prepping of IFCB to ensure good optical calibration and quality images.
- Out of Office

Week 34

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Week 33

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Week 32

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Week 31

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- Overhead
- Out of Office

Week 30

- 300083 - DMO Support - LRAUV
 - Some work on the LRAUV battery pack 'sticks' replacement; updating serial numbers without opening repaired packs
- 800139 - EyeRIS (Remote Imaging System)
 - Reviewing battery pack redesign requirements
- 901809 - Deep Sea Bioinspiration
- 901903 - BioRAMAN
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - As Power Buoy deployment is approaching, work on IFCB and battery pack replacement will need to be ramped up in about a week. Batteries for a Power Buoy battery pack are equalized, and would be retested in several days, to check for any weak or abnormal unit, then replacement as necessary, mounting control boards, and assembling a pack once the battery box is ready.
- Out of Office

Week 29

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Week 28

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Week 27

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Week 26

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Week 25

- 300083 - DMO Support - LRAUV
- 800139 - EyeRIS (Remote Imaging System)
- 901809 - Deep Sea Bioinspiration
- 901903 - BioRAMAN
- 902004 - Planktivore
 - Organizing parts and fastener, and updating assembly jig with 100% fill bases
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - Power Buoy was recovered for maintenance, this means we have the opportunity to inspect IFCB condition mid-deployment. IFCB was removed, disassembled, and powered up on a test stand. We are evaluating the condition of remote intake assembly and looking if biofouling protection is adequate or could use an improvement.
- Out of Office

Week 24

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- Overhead
- Out of Office

Week 23

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- Overhead
- Out of Office

Week 22

- 300083 - DMO Support - LRAUV
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- Overhead
- Out of Office

Week 21

- 300083 - DMO Support - LRAUV
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- 901809 - Deep Sea Bioinspiration
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- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 20

- 300083 - DMO Support - LRAUV
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- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 19

- 300083 - DMO Support - LRAUV
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- 901809 - Deep Sea Bioinspiration
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- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 18

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- 901903 - BioRAMAN
- 902004 - Planktivore
 - We have upcoming deployment approaching quickly. Of a recent development, designed a vacuum viewport extractor which greatly simplified removal of viewports, to the point that now insertion is a bigger effort.
 - Also, worked on various issues of mounting and clearances on a strobe assembly, as well as cables and routing
 - Also, designed an assembly jig allowing handling Planktivore housings during assembly

- 902101 - LRAUV Technology Development and Fleet Operations
 - Degaussing two primary battery packs for upcoming LRAUV deployment
- Overhead
- Out of Office

Week 17

- 300083 - DMO Support - LRAUV
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- 901809 - Deep Sea Bioinspiration
- 901903 - BioRAMAN
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 16

- 300083 - DMO Support - LRAUV
- 800139 - EyeRIS (Remote Imaging System)
- 901809 - Deep Sea Bioinspiration
- 901903 - BioRAMAN
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 15

- 300083 - DMO Support - LRAUV
- 800139 - EyeRIS (Remote Imaging System)
- 901809 - Deep Sea Bioinspiration
- 901903 - BioRAMAN
- 902004 - Planktivore
 - We had to do couple of adjustments on the strobe assembly design, due to issues of tolerances stack. Latest testing indicated they fit satisfactory now, but better fit would require drastic redesign/ reprint of 2 parts. This temporary modification of parts on the mill would have to do for upcoming deployment
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - We are ramping up for IFCB deployment. This year configuration includes improved biofouling protection, Zinc anode, and replaced intake tube from copper to PTFE due to corrosion issues during 2021 deployment.
- Out of Office

Week 14

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- 901903 - BioRAMAN
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead

- Out of Office

Week 13

- 300083 - DMO Support - LRAUV
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- 901809 - Deep Sea Bioinspiration
- 901903 - BioRAMAN
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 12

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- Overhead
- Out of Office

Week 11

- 300083 - DMO Support - LRAUV
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- 901809 - Deep Sea Bioinspiration
- 901903 - BioRAMAN
- 902004 - Planktivore
 - The hardware for mounting strobe boards is ordered, this week we are attempting to assemble the board stack and do the test fit on the frame assembly
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - For Power Buoy - IFCB integration, looking into mobile setup for IFCB testing in building D, due to space constraints around Power Buoy location
- Out of Office

Week 10

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- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 9

- 300083 - DMO Support - LRAUV

- 800139 - EyeRIS (Remote Imaging System)
- 901809 - Deep Sea Bioinspiration
- 901903 - BioRAMAN
- 902004 - Planktivore
 - Core of the lab test setup (Aquavore) is ready, next - doing some improvements and setting up the experiment.
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - Prepping deployment of IFCB on Power Buoy is starting to ramp up. We are identifying what the differences are from previous deployment, and what improvements to be implemented, and a schedule.
- Out of Office

Week 8

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- 901809 - Deep Sea Bioinspiration
- 901903 - BioRAMAN
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 7

- 300083 - DMO Support - LRAUV
- 800139 - EyeRIS (Remote Imaging System)
- 901809 - Deep Sea Bioinspiration
- 901903 - BioRAMAN
- 902004 - Planktivore
 - Material for Aquavore tank/ aquarium is ordered and picked up from Professional Plastics, assembly is done by Gary's Plastic Place in Santa Cruz since gluing acrylic with good quality requires skill and very specific techniques.
 - Also, order for rails/ fasteners from McMaster is received
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - BEDS: searching for the new place to park BEDS mobile station test setup.
- Out of Office

Week 6

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- 901809 - Deep Sea Bioinspiration
- 901903 - BioRAMAN
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 5

- 300083 - DMO Support - LRAUV

- 800139 - EyeRIS (Remote Imaging System)
- 901809 - Deep Sea Bioinspiration
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- 902004 - Planktivore
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Week 4

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Week 3

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Week 2

- 300083 - DMO Support - LRAUV
- 800139 - EyeRIS (Remote Imaging System)
 - Initial discussions of plans for a year
- 901809 - Deep Sea Bioinspiration
 - Discussions of potential concept design reviews for multi-camera system
- 901903 - BioRAMAN
- 902004 - Planktivore
 - We are ramping up work on this, resuming lab testing, and starting outfitting a Flume set up in the Rock Lab
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - BEDS: data from 3 experiments are provided to Mike McCann and Roberto for decoding and visualizing
- Out of Office

Week 1

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