

Denis Klimov

Week 52

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 51

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 50

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
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- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
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- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 49

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
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- Overhead
- Out of Office

Week 48

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
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- Overhead
- Out of Office

Week 47

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
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- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
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- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 46

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 45

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
 - Ordering and configuring a mobile workstation with XY stage for BEDS qualification testing
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore

- Optical assembly for camera and objective characterization is completed. Report is started, so far camera FOV and resolution characterized. Next, depth of field characterization
- 902101 - LRAUV Technology Development and Fleet Operations
 - Magnetic characterization and degaussing report is completed
- Overhead
- Out of Office

Week 44

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 43

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 42

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 41

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
 - Restoring linear stage setup for BEDS motion testing
- 901809 - Deep Sea Bioinspiration

- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
 - Sorting parts and setting up breadboard
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - Sorting and organising FCB parts for storage
- Out of Office

Week 40

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 39

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 38

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 37

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins

- Getting a motion table back to working order for BEDS qualification tests.
- 901809 - Deep Sea Bioinspiration
 - Helping Kevin with rotation table setup for scanning selected objects with EyeRIS system
- 901903 - Bio Raman
 - Parts for mounting longer probe head had been ordered and printed on FDM printer, but due to Fortus malfunction, layers had been shifted mid-print, so they need to be re-printed when machine is fixed.
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - Organizing parts for IFCB, and lab in general
- Out of Office

Week 36

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 35

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 34

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
 - Looking into setup of mounting new lab jack to hold new long probe head for DORISS-2
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - Final assembly of IFCB was completed and tested; and deployed on Power Buoy
- Out of Office

Week 33

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 32

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 31

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
 - Updated DeepPIV handbooks for versions 3 and 4 for the upcoming Falcor cruise
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - Preparation for IFCB deployment is on a finish line. We instrument is running in close to real sampling protocol, test fit to Power Buoy done this week, next is the subassembly to be completed together with filter intake.
- Out of Office

Week 30

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations

- Overhead
- Out of Office
 - June 14-18

Week 29

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office
 - June 14-18

Week 28

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office
 - June 14-18

Week 27

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
 - Prepping for DeepPIV pre-deployment testing in the Test Tank
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
 - Submitting LED base and line support for 3D printing.
- Overhead
- Out of Office
 - June 14-18

Week 26

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins

- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office
 - June 14-18

Week 25

- 300083 - DMO Support LRAUV
 - Ordered knurled black Nylon 3D printed inserts proto from Go Proto
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - Draft model for IFCB pre-filter provided to Francois so could design IFCB bottom mount; ordering and evaluating filtering mesh materials in order to finalize pre-filter design
- Out of Office
 - June 14-18

Week 24

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office
 - June 14-18

Week 23

- 300083 - DMO Support LRAUV
 - Working on an insert for PAR sensor as a substitute for painted optical surface
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
 - Finalizing LED source housing
- Overhead

- Figuring out remote intake configuration for IFCB. Effect of small ID tubing on dynamic pressure differential estimated, which could affect microorganisms transported. IFCB controls had been tested for purging additional volume of remote intake.
- Out of Office
 - June 14-18

Week 22

- 300083 - DMO Support LRAUV
 - Battery pack degaussing procedure: text draft completed.
- 800139 - EyeRIS
 - Second controller board is configured; performing optical testing with 5 LED strobes
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
 - Labels for DeepPIV 3 and 4 are completed and printed
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - We are doing testing of IFCB sampling protocols, with three fluids added to the internal compartments; calibrating beads, bleach, and biocide. Electrical tests for current and energy draw are completed. Mechanical integration to Power Buoy is under way; a hole in surface expression drilled, and IFCB housing initial test fit performed.
- Out of Office
 - June 14-18

Week 21

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 20

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
 - Updating second controller board, and optimizing strobe pulse length
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
 - Figuring out optical flat paint, that could stand up in salt water conditions
- Overhead

- Working on testing IFCB, tilt tests, current draw characterization, and drafting wiring for Power Buoy installation
- Out of Office

Week 19

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 18

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 17

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
 - Figuring out how to add heat sinking from MOSFETs in switching regulators on existing board, and retesting controller
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
 - Updating DeepPIV 3 and DeepPIV 4 use on deck policy for optional laser sheet angles
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - Installing and testing IFCB; helping organizing remote training session with MacLane
- Out of Office

Week 16

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration

- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 15

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
 - Updating operation on deck procedure for optional laser sheet labels
 - Ordering material for LED light diffusers
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 14

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
 - Testing and qualifying LED strobes, thermal protection, and optical performance
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
 - Received magnets for LED light sources mounting, updating model, and McMaster order with parts for box modification.
- Overhead
- Out of Office

Week 13

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
 - We started testing optical performance of LED strobes. So far so good, but the non-linearity of the Thorlabs detector was found, so test setup needs some corrections.
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
 - Selected and ordered 1" magnets for LED source housing; received parts for light box modification
- Overhead
- Out of Office

Week 12

- 300083 - DMO Support LRAUV
 - Working on battery pack degaussing report
- 800139 - EyeRIS
 - Working on the setup for optical tuning of LED clusters: detector attachment base; and mounting of the cluster to the optical table. Also 1 EyeRIS controller set is ready for testing.
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
 - Working on LED light source housing model and drawings, magnets selection, steel plate, and ordering parts
- Overhead
- Out of Office

Week 11

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 10

- 300083 - DMO Support LRAUV
 - Working on degaussing report
- 800139 - EyeRIS
 - Working on the setup for optical tuning of LED clusters: detector attachment base
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
 - Working on LED light source housing model and drawings, magnets selection, and ordering parts
- Overhead
- Out of Office

Week 9

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
 - Parts for power meter attachment for IRIS strobe are complete, assembling 3 units.
- 901023 - Continental Margins

- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
 - Did the test fit of sample chamber panel lock; they fit with some modification, shims under O-ring buffers.
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
 - Working on design of LED light sources; with Molex C-Grid connectors and magnet mount to the steel panel mounted inside the light box
- Overhead
- Out of Office

Week 8

- 300083 - DMO Support LRAUV
 - Helping Erik to debug LRAUV battery half-pack fault
- 800139 - EyeRIS
 - Cross braces for power meter attachment for IRIS strobe are complete, working on finalizing drawing for the aluminum tube
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
 - Working on mounting LED light sources inside the light box
- Overhead
- Out of Office

Week 7

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
 - 3D printed several parts laser power meter attachment for IRIS strobe, working on cross brace for temperature probe.
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
 - Panel Locks for a sample chamber are complete, O-rings fit quite nicely
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
 - Working on 2 LED light sources to test differential detection scheme
- Overhead
- Out of Office

Week 6

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman

- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 5

- 300083 - DMO Support LRAUV
 - Modifying another PAR sensor for an amplified version.
- 800139 - EyeRIS
 - Working on drawings for laser power meter attachment for IRIS strobe
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
 - Modified a Panel Lock for use O-ring as a buffer, and submitted to the machine shop
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 4

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
 - Looking into design of the optical power meter attachment for LED strobe
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
 - Revising panel lock brackets to include O-ring buffers
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
 - Testing another PAR sensor
- Overhead
- Out of Office

Week 3

- 300083 - DMO Support LRAUV
 - Design review of new battery pack controller
- 800139 - EyeRIS
 - Review of optical power meter attachment for EyeRIS LED strobe
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
 - Testing one more amplified PAR sensor
- Overhead
 - Preparing materials for performance review

- Out of Office

Week 2

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 1

- 300083 - DMO Support LRAUV
- 800139 - EyeRIS
- 901023 - Continental Margins
- 901809 - Deep Sea Bioinspiration
- 901903 - Bio Raman
- 901909 - NH4 and DIC Digiscan
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office