

901809 - Deep Sea Bioinspiration

Week 51

1. Denis Klimov
 - a. BBC filming is completed. Interesting experience and a lot of work, but the BBC crew came out quite happy with the footage. Also, we were employing for the first time the full access controls into the Test Tank for both Laser Safety and filming in general, which was good for gaining experience and it should be quite relevant for the upcoming scanning LIDAR trials

Week 44

1. Kevin Barnard
 - a. Discussed FathomVerse ID backend and mobile object detection inference with Imagine dev team
 - b. Made some tweaks to FathomVerse ID configuration schema

Week 43

1. Kevin Barnard
 - a. Attended 5th Marine Imaging Workshop Oct 7, 2024 – Oct 11, 2024
2. Paul Roberts
 - a. Prep for field work Oct 22,23

Week 41

1. Denis Klimov
 - a. At the Marine Imaging Workshop this week.

Week 37

1. Denis Klimov
 - a. Discussions, scheduling, and assignments for Marine Imaging Workshop

Week 33

1. Paul Roberts
 - a. Chiton 1500 nvme drive testing

Week 31

1. Paul Roberts

- a. Chiton 1500 assembly

Week 27

- 1. Paul Roberts
 - a. Scuba-eyeris CXP 2.0 testing

Week 26

- 1. Paul Roberts
 - a. Chiton 1500 m build
 - b. Scuba-EyeRIS CXP 2.0 fiber testing

Week 25

- 1. Paul Roberts
 - a. Chiton 1500 m assembly
 - b. Scuba-EyeRIS CXP 2.0 testing

Week 23

- 1. Johann Voigtlander
 - a. Troubleshooting integration of VectorNAV VN-300T IMU to ardurover

Week 21

- 1. Denis Klimov
 - a. Provided feedback for 2 OVAI job applicants

Week 19

- 1. Denis Klimov
 - a. Participating in the job interview for OVAI MLOps position
- 2. Paul Roberts
 - a. Optim video review

Week 17

- 1. Denis Klimov
 - a. Looked at the water leak issue on Minions project (with Fernanda Lecaros Saavedra)

Week 15

- 1. Paul Roberts
 - a. DeepSTARia software testing
 - b. SCUBA-EyeRIS mechanical design

- c. Planning for Optim / Galene LRAUV deployment

Week 13

1. Kevin Barnard
 - a. DeepSTARia paper accepted to Frontiers in Marine Science
 - b. Gave feedback for DeepSTARia paper proofs
2. Paul Roberts
 - a. Ordering parts for SCUBA-EyeRIS
 - b. Testing DeepSTARia for April dive series

Week 12

1. Paul Roberts
 - a. EyeRIS-Scuba electronics

Week 11

1. Paul Roberts
 - a. SCUBA-EyeRIS hardware development

Week 10

1. Paul Roberts
 - a. EyeRIS on SCUBA design

Week 9

1. Kevin Barnard
 - a. Attended Ocean Sciences Meeting; presented on DeepSTARia work (DO31A-07)
2. Denis Klimov
 - a. The air-bubbling setup for the Minions project, with bubbles to be used as the imaging objects was set and run in the Test Tank, but found inferior. We have some ideas for an improved setup, using a longer tube with micro-holes, but have not had a chance of testing this idea yet.
3. Paul Roberts
 - a. EyeRIS on Scuba
 - b. 4-camera video output

Week 6

1. Kevin Barnard
 - a. Prepared DeepSTARia presentation for OSM
2. Paul Roberts
 - a. EyeRIS on Scuba

Week 5

1. Paul Roberts
 - a. EyeRIS on SCUBA concept design

Week 4

1. Kevin Barnard
 - a. Worked on responses to reviewers for DeepSTARia paper

Week 3

1. Kevin Barnard
 - a. Working through interactive review comments on DeepSTARia for Frontiers in Marine Science