

Ben Raanan Sorted By Project

300083 - DMO Support - LRAUV

- Daphne MBTS run (Week 10)
- Pontus Biolium diamond run (Week 10)

600034 - Control Tech - Rock

708158 - DHS Y6

- Back from WHOI/Maine under-ice deployment. (Week 8)
- Implementing and testing fixes/updates for LRAUV's under-ice missions. (Week 8)
- Support for WHOI/LRAUV team. (Week 8)
- Software updates for under-ice docking (Week 9)
- Working with the folks at WHOI to get the TethysDash clone up and running. (Week 10)
- Vehicle deployed to sea at WHOI. (Week 11)
- Supporting the WHOI team in planning/ops. (Week 11)
- Y7 budget (Week 16)
- Data analysis and debriefing with the team at WHOI (Week 16)
- Data analysis and group meetings (Week 17)
- Data analysis, troubleshooting, and general support for the WHOI team. (Week 19)
- Preparing for deployment in Buzzards Bay tomorrow. (Week 19)
- Planning for YR7 (Week 22)

901009 - CANON

901101 - Ocean Imaging

- Met with Dave and Tom for kick off. (Week 8)
- Started work on OpenCV upgrade for MB-System photomosaic app. (Week 11)
- Updating mosystem photomosaic app to OpenCV 4.2 and integrating with MB-System build (Week 12)
- Completed opencv upgrade to the mosystem photomosaic app. Started work on stereocalibration scripts. (Week 13)

901103 - Biodiversity & Biooptics

901513 - Targeted Sampling by AUVs

901800 - LRAUV Payload & Support

- Developing UBAT on/off interface for LRAUV (Week 10)
- Resolved a mission level issue in the ESP/CANON sampling insert. (Week 11)
- Resolved DVL micro data configuration issue in the driver code. (Week 11)
- Started deprecating unused software components. (Week 11)
- Support for LCM back-seat API development. (Week 11)
- Migrating new docking capability to independent module (app code, build, missions, configs) (Week 12)
- Updating LRAUV BackSeatDriver component to new LCM API (Week 12)

- Additional work on LCM back-seat interface (Week 13)
- Completed migrating new LRAUV docking capability to independent module and devised configuration management strategy. (Week 13)
- Deprecating unused parts of LRAUV application source. (Week 13)
- Working on back seat component and LRAUV-LCM architecture (Week 14)
- Working on LRAUV LCM back-seat interface (Week 16)
- Continued work on LCM backseat interface (Week 17)
- Additional work on LRAUV-BSD interface: (Week 19)
 - Completed updates to lcm types and design of new writer/handler class. (Week 19)
 - Generated documentation materials. (Week 19)
 - Met with the dev team to present progress. (Week 19)
- Integrating Tethys backseat API with the LRAUV app (Week 22)

901809 - Deep Sea Bioinspiration

- Setting up development environment on Nvidia Jetson TX2 (Week 12)
- Jetson TX2 setup. (Week 13)
- Gathering materials for Mesobot backseat interface (Week 17)
- TX2 setup with the folks at CVisionai (Week 17)
- Spun up the new Jetson NX (Week 22)

901910 - Plankton Taxonomic GrpAUV

- Meet with Monique to discuss analysis results. (Week 11)

902008 - Multi Vehicle Sim

- Starting ROS training course (Week 13)
- 2021 proposal (Week 22)

902009 - AUV UI

- Met with UCSC team to discuss UX experiment design and get them set up with TethysDash + LRAUVsim docker image. (Week 11)

Out of Office

Overhead

- ER (Week 9)
- GTC training (Week 16)
- Special leave (Week 17)
- Coursera: Linear Algebra (Week 17)