

Paul Roberts Sorted By Project

702108 - Deployable AI

- Kickoff meeting, planning for miniROV simulator (Week 4)
- (Week 32)
- Planning for Oct. cruise (Week 35)
- RL modeling support (Week 38)
- Preparing for Oct 14-16 tank testing (Week 40)
- Field testing RL agent (Week 43)
- Revisions to boxview software (Week 43)
- Data review and reporting from Oct 2024 field work (Week 44)

702108.99 - 6-eye camera-compute mod

- Planning for build, sourcing parts (Week 31)
- concept design and preparing for starting build (Week 32)
- Design and concept review (Week 33)
- Hardware procurement (Week 38)
- Finished drawings for camera housing (Week 44)
- Starting fabrication of v1 system (Week 45)
- Starting production of 1500 m housing (Week 46)
- Ordering parts (Week 46)
- Chassis mechanical design (Week 47)

901513 - Targeted Sampling by AUVs

- Figures and text for JFR submission (Week 45)
- Paper support (Week 46)

901809 - Deep Sea Bioinspiration

- EyeRIS on SCUBA concept design (Week 5)
- EyeRIS on Scuba (Week 6)
- EyeRIS on Scuba (Week 9)
- 4-camera video output (Week 9)
- EyeRIS on SCUBA design (Week 10)
- SCUBA-EyeRIS hardware development (Week 11)
- EyeRIS-Scuba electronics (Week 12)
- Ordering parts for SCUBA-EyeRIS (Week 13)
- Testing DeepSTARia for April dive series (Week 13)
- DeepSTARia software testing (Week 15)

- SCUBA-EyeRIS mechanical design (Week 15)
- Planning for Optim / Galene LRAUV deployment (Week 15)
- Optim video review (Week 19)
- Chiton 1500 m assembly (Week 25)
- Scuba-EyeRIS CXP 2.0 testing (Week 25)
- Chiton 1500 m build (Week 26)
- Scuba-EyeRIS CXP 2.0 fiber testing (Week 26)
- Scuba-eyeris CXP 2.0 testing (Week 27)
- Chiton 1500 assembly (Week 31)
- Chiton 1500 nvme drive testing (Week 33)
- Prep for field work Oct 22,23 (Week 43)

901904 - Deep-Sea Coral-Sponge Community Observatory

- Multispectral ROV camera electronics (Week 1)
- Internal mechanical mounting (Week 3)
- Camera testing (Week 3)
- Mechanical modeling for ROV camera (Week 4)
- Review of electrical design (Week 4)
- Weekly meeting and data format discussion (Week 5)
- Setting up camera capture PC (Week 6)
- Topside camera computer setup (Week 9)
- Electrical design review (Week 9)
- Camera computer setup (Week 10)
- Fiber camera testing (Week 11)
- Closeup lens testing (Week 11)
- ROV camera chassis and control PCB fitment (Week 12)
- Planning for proposal (Week 21)
- multispec targets (Week 22)
- Phase 1 proposal (Week 27)
- ROV camera fabrication planning (Week 27)
- Planning for Sept engineering tests (Week 30)
- MSCC assembly (Week 35)
- System assembly and testing for Sept. 16 deployment (Week 36)
- Multispec deployment and analysis (Week 38)
- MIW poster (Week 38)
- Multispec deployments and data analysis (Week 39)
- Preparing for Oct 7 / Oct 11 deployments (Week 40)
- MIW poster materials (Week 40)
- SWIR camera scoping (Week 47)

902001 - Ventana 4k Camera

- Assembly and testing of camera (Week 1)
- Final assembly and testing (Week 3)

- Assembly and testing of camera (Week 4)
- White balance testing on Ventana (Week 6)
- Final assembly and electronics testing (Week 11)
- Assembly and testing (Week 12)
- Assembly and testing of MxD (Week 13)
- Testing second unit topside rack box and camera hardware (Week 15)
- abstract submission for spare camera (Week 20)
- MxD camera settings cards (Week 30)
- Assembly and testing (Week 35)
- System assembly and testing (Week 36)
- Finishing assembly and fixing issues with lens zoom speed (Week 45)
- Order spare parts (Week 46)
- Final assembly (Week 46)
- Assembly and testing (Week 47)

902004 - Planktivore

- RIMS software integration (Week 5)
- Deployment on LRAUV Ahi (Week 6)
- RIMS data ingest and testing dataset bootstrapping (Week 6)
- Deployment support (Week 9)
- RIMS integration (Week 9)
- Mooring data processing and import into RIMS (Week 10)
- Prep for March 18 deployment (Week 11)
- Coordinated deployment with I2MAP (Week 12)
- RIMS data management (Week 12)
- pre-post deployment checklists / training (Week 12)
- Data ingest into RIMS (Week 13)
- Preparing for April 15 deployment (Week 15)
- RIMS data management and deployment support (Week 19)
- RIMS data ingest and testing mapping tools (Week 20)
- Testing Tator with Planktivore images (Week 20)
- Planktivore data management (Week 21)
- RIMS data ingest (Week 22)
- RIMS annotation and model training (Week 25)
- model training and testing on data from May 2024 deployments (Week 26)
- Automated plankton identification testing (Week 29)
- Automated plankton detection software updates (Week 30)
- Ahi 15 deployment (Week 31)
- Data ingest from July 27 deployment (Week 32)
- Prep for Aug 22 deployment (Week 33)
- software updates (Week 33)
- Plankton Proxies deployment (Week 35)
- Data Ingest (Week 35)
- Deployment support (Week 36)

- Data access for RIMS (Week 36)
- ECOHAB deployment (Week 38)
- CANON deployment (Week 38)
- Data management (Week 38)
- ECOHAB deployment (Week 39)
- Image processing performance improvements (Week 39)
- Preparing for Oct. 7 deployment of benthic-planktivore (Week 40)
- Data ingest and processing CANON and ECOHAB deployments (Week 40)
- Data management (Week 44)
- Data management (Week 45)
- Shadowgraph design (Week 47)

902111 - Carbon Flux Ecology

- Planning for LRAUV operations (Week 5)
- Chiton deployment and data management (Week 19)
- Preparing for bringing Planktivore and Chiton images into clustering pipelines (Week 20)
- Planktivore and Chiton data management (Week 21)
- Minion housing optics (Week 22)
- Chiton data ingest (Week 35)
- Data management (Week 45)

902204 - Scalable Robotics

- Assembly and testing new PoE Can (Week 1)
- SOI integration and power system upgrades to PoE interface (Week 3)
- Wrapping up power upgrades for SOI integration (Week 4)
- Tank testing with updated PoE interface for SOI (Week 5)
- Building second HSI camera system (Week 6)
- OSM poster (Week 6)
- Falkor support (Week 9)
- Materials testing for aluminum tubes from Xometry (Week 11)
- Falkor support (Week 12)
- PoE housing rebuild (Week 15)
- PoE chassis rebuild (Week 19)
- PoE can rebuild (Week 20)
- PoE interface rebuild (Week 21)
- PoE interface rebuild (Week 22)
- PoE can rebuild (Week 25)
- PoE interface rebuild and testing (Week 26)
- Mola camera/lens review (Week 26)
- Mola stereo cameras (Week 27)
- PoE interface testing on Ventana (Week 27)
- Mola optics (Week 29)
- Splitter can PTH board (Week 30)

- Mola optics simulation (Week 30)
- PoE can and MiniROV testing (Week 31)
- Deployment support (Week 32)
- Mola central camera optics (Week 33)
- Prep for field work Oct 28 (Week 43)

902306 - SINKER

- Battery mechanics and electronics (Week 3)
- Kickoff meeting and project management (Week 4)
- Preparations for Feb 6 field work (Week 5)
- Wiper testing on Ventana (Week 6)
- Deployment support March 5 cruise (Week 9)
- First SINKER deployment on Ventana (Week 10)
- Revisions to sinking column brainstorming (Week 11)
- Data management (Week 11)
- wiper design and testing (Week 12)
- Testing revised wiper mechanism (Week 13)
- Test deployment on Ventana (Week 13)
- Planning for July Deployments (Week 15)
- Planning for July cruises and MARS installation (Week 19)
- Planning for July cruises (Week 22)
- Preparing for tank testing (Week 25)
- Tank testing for July 9 deployment (Week 26)
- Tank testing for July cruise (Week 27)
- Phase 1 Proposal (Week 27)
- Field work July 9 / 18 (Week 28)
- Data processing (Week 28)
- MARS deployment test on Ventana (Week 29)
- Planning for Oct 9 cruise (Week 30)
- Procurement of acoustic current sensor (Week 30)
- side-looking camera chassis design (Week 31)
- Side-looking camera chassis (Week 32)
- Side-looking camera chassis fab (Week 33)
- Assembly of shadowgraph system (Week 36)
- Side-looking camera assembly and testing (Week 38)
- Side-looking camera testing (Week 39)
- Preparing for Oct. 9 deployment (Week 40)
- Test tank sinking column flow imaging (Week 43)
- Tank testing data analysis (Week 44)
- Sourcing parts for SIT camera, motors, and hardware interfaces (Week 45)
- Review of frame design (Week 46)
- Order parts (Week 46)

Out of Office

- Jan 9-Jan12 at CES
- Feb 19- Feb 24 Ocean Science Meeting
- March 30-April 7
- April 14 April 20
- April 14 through April 20
- May 17
- June 21, 28
- June 28
- Aug. 16 2024 - CES Northstar
- Aug. 30 2024 - CES China Peak
- Nov 25-29 Vacation
- Jan 6-10 Vacation

Overhead

- Postdoc letters of support (Week 1)
- Preparing for DOEST (Week 20)
- Preparing for intern project (Week 20)
- Abstract presentations (Week 21)
- DOEST presentations (Week 21)
- SEE interview (Week 21)
- Intern planning (Week 21)
- DOEST (Week 22)
- Intern project (Week 22)
- Intern project support (Week 25)
- Intern mentoring (Week 26)
- Intern Mentoring (Week 27)
- Proposals (Week 28)
- Intern mentoring (Week 28)
- Intern mentoring (Week 29)
- Open house comp time (Week 29)
- Intern mentoring (Week 30)
- Intern mentoring (Week 33)

901221 - Midwater Time Series

- Review of camera options and 4k recorder options (Week 26)
- Planning for i2MAP service and upgrade to 4k recording (Week 26)
- i2MAP 4k recording planning (Week 27)
- Sony F55 bring up (Week 47)
- Atomos Connect interfacing (Week 47)