

Paul Roberts Sorted By Project

701164 - SnoCam+ Build

702108 - Deployable AI

- Prep for Jan 21/22 field work (Week 3)
- Fieldwork debrief, paper planning (Week 5)
- Planning for compute purchase (Week 7)
- Planning for camera system build out (Week 7)
- Hardware procurement (Week 9)
- Hardware procurement (Week 10)
- Hardware procurement (Week 11)
- Planning for chassis assembly (Week 11)
- Camera fiber testing (Week 12)
- Backseat recorder testing (Week 12)
- Galene deployment support (Week 13)
- Galene 23 and 24 deployments (Week 15)
- Housing assembly and testing (Week 19)
- Hardware assembly and testing (Week 20)
- Galene 27 deployment (Week 20)
- Hardware assembly and testing (Week 21)
- Assembly and testing of Triton camera (Week 22)
- vehicle integration and testing (Week 22)
- Triton camera assembly and testing (Week 23)
- Triton camera data review (Week 30)
- Triton 45 deployment prep (Week 30)
- ML workshop (Week 32)
- Deployment data review (Week 32)

901221 - Midwater Time Series

- Opening i2MAP housing, swapping fans (Week 7)
- Planning for 4k recorder upgrade (Week 7)
- Testing 12G sdi through seacon coax (Week 11)
- Testing 4k sdi/fiber converters (Week 15)
- Testing possible coax 12G-SDI options (Week 15)
- 4k recorder housing design (Week 16)
- Finishing housing drawings, ordering parts (Week 19)
- 4k recorder housing fab (Week 33)
- 4k recorder chassis design and i2map upgrades (Week 33)

- Recorder housing controller design (Week 34)
- Recorder housing chassis design (Week 34)
- 4k upgrade chassis fixtures (Week 35)
- Fiber port testing (Week 35)
- 4k recorder chassis (Week 36)
- 4k interface (Week 36)
- i2MAP modifications (Week 36)
- 4k upgrade, fiber port testing, chassis assembly (Week 37)
- i2MAP deployment and 4k camera upgrades (Week 44)
- 4k recorder controller schematic capture (Week 46)
- Sony FX6 4k120p testing (Week 50)

901513 - Targeted Sampling by AUVs

- Planning for Ahi deployment (Week 12)
- Planning for adaptive yoyo testing (Week 13)
- Review of ROIs from adaptive yoyo missions (Week 19)
- Integration of VL krill model into Triton Camera (Week 46)
- Triton 48 Krill detection deployment (Week 47)
- Review of krill detection deployment (Week 49)
- Planning for EPS target sampling deployment (Week 49)

901809 - Deep Sea Bioinspiration

- Optim/Galene deployment and eng. testing (Week 10)
- Review of Optim Galene 27 video and planning for next deployment (Week 21)
- SOI interface can documentation (Week 34)
- SOI interface can assembly (Week 34)
- SOI 2026 cruise documentation and preparations (Week 35)
- SOI hardware documentation (Week 36)
- SOI integration and cruise planning (Week 36)
- Oceanshot imaging system design (Week 37)
- SOI cruise prep, interface documentation (Week 37)
- CANON Triton camera data management (Week 37)
- Scuba-eyeris NUC testing and chassis design (Week 44)
- Scubris chassis fabrication (Week 46)
- UWA image system design support (Week 46)
- Scuba-EyeRIS assembly (Week 47)
- Ocean Shot UAW (Week 47)
- Ocean Shot Bigelow Falkor (too) documentation (Week 47)
- Scuba-EyeRIS build (Week 49)
- SOI planning (Week 50)
- Scuba-EyeRIS (Week 50)

901904 - Deep-Sea Coral-Sponge Community Observatory

- SWIR System controller (Week 3)
- SWIR strobe design (Week 3)
- SWIR Controller design (Week 5)
- SWIR system controller layout (Week 6)
- SWIR controller layout (Week 7)
- SWIR controller layout (Week 8)
- SWIR controller fab (Week 9)
- Housing design review (Week 9)
- Mechanical review of SWIR housing (Week 10)
- SWIR camera concept review (Week 11)
- Modeling SWIR camera internals (Week 12)
- SWIR controller assembly and testing (Week 13)
- SWIR chassis design (Week 19)
- SWIR system build prep (Week 32)
- SWIR controller hardware/software support (Week 35)
- SWIR camera chassis (Week 36)
- SWIR backlight chassis (Week 36)
- SWIR camera and backlight chassis assembly (Week 37)
- SWIR multispec (Week 44)

902004 - Planktivore

- Instrument and data documentation (Week 3)
- Deployment planning (Week 3)
- Ahi 23 I2MAP deployment (Week 5)
- Ahi 24 deployment (Week 6)
- Data management (Week 6)
- Coordinating with CFE lab on planktivore data pipelines using aidata and sdcats (Week 7)
- Weekly meeting (Week 9)
- Coordinating development of classification models (Week 9)
- MBTS deployment support (Week 15)
- Ahi 27 Deployment, Synchro OWF (Week 16)
- Low-mag samples for clustering and model training (Week 19)
- Shadowgraph illumination design (Week 19)
- Data management (Week 21)
- Planktivore deployment on LRAUV Ahi (Week 21)
- i2MAP/Planktivore deployment (Week 22)
- V2 Unit 2 build (Week 23)
- V2B build (Week 30)
- V2B build support (Week 32)
- Data processing support (Week 32)
- V2B build (Week 33)
- Hardware procurement (Week 35)

- Synchro deployment (Week 44)
- Production support (Week 46)
- Shadowgraph illumination testing (Week 46)
- Optics pod production coordination (Week 47)

902111 - Carbon Flux Ecology

- Battery power packs for suba-isiis deployment (Week 9)
- Battery packs for scuba-isiis (Week 10)
- Scuba-isiis batteries (Week 11)
- Mini-Sidekick housing design (Week 16)
- Chiton deployment on LRAUV Triton (Week 21)
- Mini-Sidekick controller design (Week 34)
- Mini-Sidekick chassis design (Week 34)
- Mini-sidekick controller design (Week 35)

902204 - Scalable Robotics

- 2025 Kickoff Meeting, HSI and EVS planning (Week 5)
- Concept design for HSI lighting (Week 15)
- PoE can #2 chassis assembly (Week 19)
- PoE can 2 assembly (Week 20)
- PoE Can 2 assembly (Week 21)
- 10G Interface can wiring and assembly (Week 22)
- 10G Interface assembly and testing (Week 23)
- HSI strobe design (Week 32)
- HSI strobe design (Week 33)
- HSI lighting support (Week 44)
- HSI strobe deployment (Week 46)

902306 - SINKER

- 2025 Kickoff Meeting (Week 5)
- System-controller firmware dev: periodic imaging events and state diagrams (Week 6)
- Orin AXG pylon image recorder dev (Week 6)
- System controller updates with RTC and event scheduler (Week 7)
- Sediment camera bulkhead upgrades to Ti (Week 7)
- Orin Pylon camera acquisition software (Week 7)
- Autonomy firmware (Week 8)
- Wiper motor assembly and testing (Week 8)
- Nortek ADCP integration (Week 8)
- autonomy firmware (Week 9)
- system integration (Week 9)
- camera acquisition software (Week 9)
- Dev meeting (Week 9)

- Preparation for March 10 autonomous deployment (Week 10)
- Deployed for 1 week of autonomous recording on March 10 (Week 11)
- Autonomous deployment and data management (Week 12)
- station light assembly and testing (Week 13)
- Ordering WiSub hardware (Week 13)
- Dev Meeting (Week 23)
- Planning for July 15 deployment (Week 23)
- MARS testing / troubleshooting (Week 30)
- Data publishers for dashboard (Week 30)
- Data publishing for dashboard (Week 32)
- Real-time data and system health status (Week 33)
- Zmq monitor app (Week 36)
- Dev meeting (Week 36)
- ZMQ system monitor (Week 37)
- Scoping software tasks for 2026 (Week 47)
- Data management (Week 49)
- EOY spending (Week 49)
- Planning for recovery on Dec. 12 (Week 50)
- Testing alternative flux camera settings (Week 50)

902405 - Precision Control Technologies

- Purchasing hardware for universal AC/DC upgrades to interface housing (Week 7)
- Updating chassis for new power supplies and network hardware (Week 10)
- Planning for April 15 deployment (Week 11)
- Interface can power supply upgrades (Week 12)
- Interface can upgrades (Week 13)
- Code migration to tensorbook2 (Week 13)
- Prep for april 15 deployment (Week 15)
- April 15 deployment (Week 16)
- Completed testing of existing tracking software, demo on radiolarians and sinkers (Week 16)
- May 27, testing 3rd order filter on CFE lab dive (Week 22)

902503 - Spare MBARI 4K Camera

Out of Office

- Nov 22 through Nov 30, Scotland
- Dec 26 through Jan 4, San Diego
- Jan 6-10 Vacation
- Jan 29 : Photonics West
- June 20 - June 29, Whistler, BC
- Aug 7-Aug10, Truckee

Overhead

- Hyperion design review (Week 5)
- Moving 4k camera to building G (Week 6)
- Camera lab planning (Week 6)
- Abstracts (Week 19)
- Abstract presentation (Week 20)
- ML workshop (Week 32)
- SE Interviews (Week 34)

901221 - Midwater Time Series

- 4k upgrade planning and hardware testing (Week 3)