

Engineering Weekly Report 9/17/2026 - 9/24/2026

<https://docs.mbari.org/internal/projects/Engineering/Weeklies/2026/>

Executive Council Notes

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Individual Activities

- Michael Anderson
- Kevin Barnard
- Francois Cazenave
- Laura Chrobak
- Danelle Cline
 - 901221 - Midwater Time Series
 - Add neg_logsumexp classifier scores and taxonomy decode
 - 901502 - Ocean Soundscape
 - Finished Oceans PBP poster
 - Out of Office
 - September 21-24 Oceans Conference, Monterey
 - October 18th, SMM 2026 pre-conference Workshop: Evolving AI Applications in Modern Marine Mammal Science: From Computer Vision to Generic and Agentic AI, Puerto Rico
- Duane Edgington
 - Out of Office
 - ~~September 8-13 ECGV conference. Present UAVS Yolo26/RFDETR model performance. Have reservations. Registered. Cancelled~~ Virtual attendance only
 - September 21-24 IEEE Oceans Conference, Monterey. Present poster on Perch-hoplite. Registered.
 - October 19-24 Pytorch Conference, San Jose. Present poster on Perch2.0 port to pytorch. Registered. Have reservations.
- Kevin Gomes
 - Out of Office
 - Sep 21-24: Oceans conference
 - Oct 5-9: Vacation
- Andy Hamilton
- Kent Headley
 - 902204 - Scalable Robotics
 - Made several improvements, to cerulean sonar driver, including critical bug fixes, pending installation and test.
 - Continued work on pipeline to combine bathymetry, nav, and attitude for use with mb-system.
 - Overhead
 - Prepped ocean soundscape demo for oceans, tested potential network issues, did update to live feed for better behavior when network is unavailable.
 - Out of Office
 - Sep 21-24: Oceans conference

- Rich Henthorn
 - 300078 - DMO Support - AUV
 - Recovered i2MAP vehicle
 - 902111 - Carbon Flux Ecology
 - SINKer recovery
 - SINKER deployment with ADCP
 - 902305 - Event Detection Using the Sedimentation Event Sensor
 - SES Recovery
 - Good data set from the past 5 months
 - Found issue with event detection method
 - SES Deployment
 - 2 day turnaround
 - Updated event detection method
 - Out of Office
 - Sept 14 to 18 - Durkin Cruise
 - Sept 24 - Oceans Conference
 - Dec 21 to Dec 31 - Vacation
- Akshay Hinduja
 - Out of Office
 - Sep 24, 2026 - Oct 2, 2026 - IROS 2026
 - Sep 21, 2026 and Sep 23, 2026 - Oceans 2026
- Brett Hobson
- Irene Hu
- Scott Jensen
 - Out of Office
 - September 23-28 (Vacation)
- Brent Jones
 - 901112 - Monterey Bay Time Series
 - Completed assembly of new PIC32 SIPPER and finished bench testing. Ready for tank testing
 - Investigating ways to recover, service, deploy WW from other boats. Road the Shana Rae and determined it is very adequate for this job
- Chad Kecz
 - Out of Office
 - Out of office on Fridays
- Brian Kieft
 - Out of Office
 - 07/17-07/22 (GMT -4)
 - 07/26-08/07 (GMT +9)
 - 08/26-08/28 (GMT -4)
 - 08/29-09/02 (GMT -5)
- Denis Klimov
- Eric Martin
 - Out of Office
 - Sick 8/24-8/26
- Thom Maughan
 - Out of Office
 - September 21-24 Oceans Conference, Monterey

- Mike McCann
 - 200109 - Core Mooring Data - MDUC
 - Reviewing operation of the combine scripts
 - Overhead
 - Oceans
 - Out of Office
 - Half time schedule: Generally away Mondays, Fridays, and alternate Thursdays
 - 21-24 September: Oceans Conference
 - 12-16 October: Web3D Conference
 - 20-29 October: Remote/Comp time
- Enoch Nicholson
 - Out of Office
 - June 26 to July 6th
 - July 30 to Aug 10
- Tom O'Reilly
- Mike Risi
 - 200105 - Core Navigation - MDUC
 - Working with Quinn on changes to pt-control for pan and tilt presets
 - 300070 - DMO Support - Ventana
 - Making changes to VISCA positioner after testing
 - 902606 - Low Altitude Survey AUV
 - Working on materials for LAS AUV CDR
 - Meetings with LRAUV and Hyperion team members to discuss software concept design
 - Out of Office
 - Offsite on Tuesday and Friday
 - January 2, 2026 - vacation
 - January 19, 2026 - January 30, 2026 - vacation
 - March 4-5, 2026 - vacation
 - March 16, 2026 - vacation
 - March 30, 2026 - vacation
 - May 18, 2026 - vacation
 - June 22, 2026 - vacation
 - June 29, 2026 - July 1, 2026 - vacation
 - August 17, 2026 - vacation
 - September 8, 2026 - September 10, 2026 - vacation
 - October 12, 2026 as vacation
- Paul Roberts
 - 901221 - Midwater Time Series
 - recorder assembly planning
 - 901513 - Targeted Sampling by AUVs
 - materials for OCEANS
 - 901809 - Deep Sea Bioinspiration
 - multiview camera controller
 - 901904 - Deep-Sea Coral-Sponge Community Observatory
 - multispec v1 data review
 - 902004 - Planktivore
 - opah data
 - ahi deployment
 - 902111 - Carbon Flux Ecology
 - SINKER maintenance and deployment

- Brent Roman
 - Out of Office
 - Sept 8 - Oct 16 (vacation)
- Carlos Rueda
 - Overhead
 - IEEE Oceans Conference
 - Out of Office
 - ~~Sept 8-11: vacation~~
 - Sept 22-24: IEEE Oceans Conference
 - End of Oct–Beg of Nov: vacation (dates TBD)
 - Nov 12: vacation
 - Dec 9-10: vacation
- Karen Salamy
 - 300057 - Mooring Maintenance
 - Weekly maintenance and data download checks.
 - 902101 - LRAUV Technology Development
 - Bug Fixes
 - Keep cancelled Schedule rows after timeout — opened for review, closes #868 ([#869](#))
 - Restore Dash4 vehicle diagram overlay parity — opened for review, closes #858 ([#872](#))
 - Restore depth sparkline for dives >8h — new draft PR (new approach) ([#873](#))
 - Issues Filed
 - bug: Dash5 docked vehicle diagram missing Dash4 overlays ([#858](#))
 - fix: Docs paragraph spacing does not match Dash4 ([#859](#))
 - cancelled directives display as timed out ([#868](#))
 - bug: Data tab Latest Dive is a logset window and does not return to newest logset ([#871](#))
 - In Review
 - Restore depth sparkline for vehicles submerged longer than 8 hours — new approach ([#873](#)) Sep 23
 - Restore Dash4 vehicle diagram overlay parity ([#872](#)) Sep 22
 - Add Center Map button to TrackDB platform list ([#870](#)) Sep 21
 - Keep cancelled Schedule rows after timeout ([#869](#)) Sep 21
 - Send command or mission on launch and recover events ([#853](#)) Sep 10
 - Science charts reload on scroll fix ([#848](#)) Sep 8
 - Schedule shows Unknown operator fix ([#825](#))
 - Mission modal & Schedule log polish ([#814](#))
 - Restore depth sparkline for vehicles submerged longer than 8 hours-> prior PR ([#810](#))
 - Display mission ID in pending Schedule rows ([#805](#))
 - Gate map marker edits behind login ([#790](#)) - Waiting on re-review
 - 901805 - Coastal Biogeochemical Sensing Program
 - Had a ZOOM meeting with Yui and Nick to discuss their potential need for my time this Q4 and potentially in 2027..
 - 902111 - Carbon Flux Ecology
 - Bug Fixes
 - Route instrument-status/ADCP to adcp-status-range; fix Instruments panel — merged ([#109](#))
 - Issues Filed
 - feat: show powered-down banner on all tabs, not just System Overview ([#106](#))
 - bug: ADCP Health offline while live ensembles are in Redis ([#107](#))

- feat(health): startup system check with change/failure notifications ([#108](#))
 - Completed
 - ADCP Health offline while live ensembles are in Redis — via PR #109 ([#107](#))
- Overhead
 - Attending the Oceans Monterey 2026 Conference - All week.
- Out of Office
 - March 15-24, 2027 - Vacation
 - On-campus 3 days/week (**T, W, TH**). New OFFICE - G106.
- Brian Schlining
 - 902403 - Expedition DB Modern
 - Continuing work on the [backend](#) and [frontend](#). Added management tools for roles/permissions, people, and devices. Improving search. Added jumps from dive details pages to annotations and videos
 - Out of Office
 - Sep 9 - Vacation
 - Oct 21 - 24 - Oceans Conference, Monterey
 - Nov 12 - Vacation
- Quinn Shemet
 - Out of Office
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- Alana Sherman
 - Overhead
 - Oceans!!
 - Out of Office
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- George Stern
 - 300078 - DMO Support - AUV
 - Checking and re-specing unavailable parts for the dorado prop board
 - 902204 - Scalable Robotics
 - Reflashed dead Orin NX that was supposed to ship the next day and put molas 40 pin connector through a flex cable, lot of troubleshooting and working with boxfish before the issue was found. Everything appears to be working
 - 902304 - Piscivore Cam
 - Started the Etechs on the piscivore gen 4 light build
- Justin Tucker
 - Out of Office
 - Oceans: September 21-24
 - Vacation: September 25th
 - Stanford Project team: September 29th
 - Vacation: October 13th-23rd
- Johann Voigtlander
 - Overhead
 - At oceans 2026
- Emme Wiederhold
 - Out of Office
 - November 25th - December 8th