

Karen Salamy

Week 30

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
- 901101 - Seafloor Mapping
- 902101 - LRAUV Technology Development
- 901805 - Coastal Biogeochemical Sensing Program
- 902111 - Carbon Flux Ecology
- 902403 - Expedition DB Modern
- Overhead
- Out of Office
 - July 21-24, 2026 - Vacation
 - March 22-24, 2027 - Vacation
 - On-campus 3 days/week (**T, W, TH**). New OFFICE - G106.

Week 29

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
 - Spent time setting up for the new OA1 Mooring Turn on coredata8
 - Created a [spreadsheet](#) to help Jason and Jules clarify what the deployment will need
- 901101 - Seafloor Mapping
- 902101 - LRAUV Technology Development
 - Features
 - Implemented two-step verification code flow for adding/editing notification destinations (email/phone), matching TethysDash backend v4.99.85 — Issue #758, PR #767
 - Bug Fixes
 - Fixed depth chart not refreshing on active deployments and added bidirectional sync between depth chart hover and map scrubber — Issue #772, PR #773
 - Fixed Schedule tab showing raw command text (e.g. load Transport/keepstation.tl) instead of the clean mission name the vehicle reports — Issue #775, PR #776
 - Fixed _vt vehicle-tailored mission files (e.g. profile_station_vt.tl) not matching the vehicle's own telemetry mission name — PR #774
 - Fixed Leaflet zoom crash when navigating between vehicles with a stable MapContainer key — PR #769, PR #771

- Fixed trackline hover circles scaling incorrectly at high zoom levels (converted from geographic metres to pixel-based radius) — PR #770
 - Disabled two compromised GeoServer tile layers (DK3HORRO, 2020 Summer Astrid) and suppressed noisy vehicle-info timeout errors — PR #766
- Maintenance
 - Upgraded Node.js from v20 (EOL April 2026) to v22 LTS (active through April 2027) — Issue #746, PR #768
- Deployments
 - Tagged v5.2.14 through v5.2.18 for staging; v5.2.14-production pushed to production (dash5.mbari.org)
- 901805 - Coastal Biogeochemical Sensing Program
- 902111 - Carbon Flux Ecology
 - Features
 - Removed the Images tab from Camera Views — the camera panel is now Videos-only mode
 - Bug Fixes
 - Fixed TypeScript errors in CamerasTab and SinkerSchematic
 - Fixed duplicate useCameraLastCaptureTimes hook calls and import in cameras.tsx
 - Renamed cameraLastCaptureTimes → cameraLastCaptureTime to match hook declaration
 - Fixed undeclared ADCP variable references (adcpLastDataParsed/adcpLastDataTimeRaw → adcpParsedTime/adcpLastDataTime)
 - Note:** Work is on develop branch, not yet tagged for deployment.
- 902403 - Expedition DB Modern
- Overhead
- Out of Office
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Week 28

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
 - Weekly maintenance and download checks.
 - Working on the new OA1 Mooring turn - potentially occurring at the end of the month.
- 901101 - Seafloor Mapping
- 902101 - LRAUV Technology Development
 - Dash5 Features

- Added GPS surfacing position dots and sticky track tooltip to vehicle map track (Dash4 parity) — Issue #744, PR #745
- Updated Overview page vehicle widget to match full vehicle page (schedule indicator, payload info) — Issue #732, PR #743
- Added Watch Bill link to the user account dropdown menu for quick access — Issue #753, PR #754
- Made ship/TrackDB current position markers larger and more prominent on the map — Issue #755, PR #756
- Added quick-pick confirmation step for deployment start date to prevent accidental future dates from hiding vehicles on the map — Issue #757, PR #759
- Dash5 Bug Fixes
 - Fixed back button in mission wizard reverting to Parameters Summary step — Issue #723, PR #739
 - Fixed logset tooltip being clipped in narrow science data sidebar — Issue #718, PR #738
 - Fixed Ctrl+C/V clipboard state corruption in the document editor — Issue #740, PR #742
 - Fixed Ctrl+C on map clobbering selected text in input fields and editable areas — Issue #751, PR #752
 - Fixed Schedule tab displaying pending missions in wrong order and hiding a second queued instance of the same mission — Issues #760, #762, PR #761
 - Fixed depth chart zoom resetting immediately when moving the mouse after zooming in — Issue #763, PR #764
- Dash5 Testing/Maintenance
 - Fixed 3 pre-existing failing tests in the Irauv-dash2 test suite — Issue #750
 - Added missing test coverage for v5.2.9 features — Issue #748
- Dash5 Deployments
 - Tagged v5.2.12 and v5.2.13 for staging deployment (dash5-staging.mbari.org)
- 901805 - Coastal Biogeochemical Sensing Program
- 902111 - Carbon Flux Ecology
 - Met with SINKER Team yesterday to go over various requests for the SINKER Dash from the team.
 - SINKER Dash Bug Fixes / Improvements
 - Improved Dash Health UI clarity and added SedFlux dual-instrument instrument cards — v1.0.32
 - Fixed logs 404 error and cleaned up console output — v1.0.32
 - Added null guards for sumDurations and calculateBaseTime to prevent duration crashes — v1.0.31
 - Silenced noisy debug/warn logging in InstrumentsTab and useADCPSSSE — v1.0.30

- Network health monitoring, toolbar widgets, camera controls, and API hardening — v1.0.29
- SINKER Dash Deployments
 - Tagged and deployed v1.0.32
- 902403 - Expedition DB Modern
- Overhead
- Out of Office
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Week 27

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
 - Weekly maintenance and monitoring of newly deployed M1 Mooring 202606.
 - Received a note from Jason Adelaars regarding an upcoming OA1 deployment: *(Giving you a heads up that Jules and I are prepping an OA1 turnaround in about a month. We'll be swapping the microcat for an RBR CTD - will likely have similar column parsing as the current OA2 deployment. No pH probe on this deployment. Otherwise, the CO2 system, VR2C, dissolved oxygen, MET, and chlorophyll fluorescence will be there.)*
No set deployment date yet though *(We don't have an exact date yet. We still have a couple of blockers. I'm hopeful either the week of July 27th or August 3rd. But probably won't know for another few weeks.)*
- 901101 - Seafloor Mapping
 - Received a request from Jenny P. to make quick updates on SMDB.
 - Out of project time but plan to implement the quick fixes next week.
- 902101 - LRAUV Technology Development
 - Features
 - Added GPS surfacing dots, sticky track tooltip, and pre-waypoint marker on deployment map — Issue #744, PR #745
 - Added planktivore payload indicator and galene LEDs to the vehicle widget — PR #734
 - Bug Fixes
 - Brought overview VehicleCell to parity with the full vehicle page widget — Issue #732, PR #743
 - Fixed Back button in mission wizard now correctly re-shows Parameters Summary — Issue #723, PR #739
 - Fixed logset tooltip clipping in narrow science sidebar — Issue #718, PR #738

- Fixed map projected route backtracking and center button stale zoom — PR #737
 - Fixed clipboard state preservation between Ctrl+C/V in doc editor — Issue #740, PR #742
 - Fixed Amend Command unit parsing for LRAUV type annotations and trailing semicolons — PR #724
 - Restored modal visibility and document duplication — Issues #728, #729
 - Fixed pre-existing failing tests and added coverage for v5.2.9 features — Issues #748, #750
- Documentation
 - Added CHANGELOG.md tracking all v5.2.x staging releases
- 901805 - Coastal Biogeochemical Sensing Program
- 902111 - Carbon Flux Ecology
 - Merged PR #70 — Dash-Health UI clarity, SedFlux dual-instrument cards, logs 404 fix, console cleanup (merged Jun 29)
 - Merged PR #72 — Show 0.0% humidity instead of N/A when reading is zero (merged Jun 30)
 - Deployment Coordination with Danelle - A bandwidth spike on production (ZMQ stream containers consuming ~10 Mb/s) triggered a coordinated response between Danelle and I that led to several infrastructure improvements:
 - Danelle granted group-write access to /opt/deployments/sinker on both servers
 - Azure AD / NextAuth secrets moved from compose.yml into .env; saved to BitWarden SE-IE collection
 - Ansible agreed to only update version lines in .env, never overwrite the file
 - jetson-monitor and sinker-status-logger added to compose.yml (were previously manual containers)
 - Logs tab enabled; sinker-status-logs volume mounted on dashboard
 - All 15 services now compose-managed on production
 - Unified compose.yml from git (PR #6) agreed as target state — pending Danelle's merge
 - sinker-backend updated to v0.13.0 on both servers (verified against checklist before deploying)
- 902403 - Expedition DB Modern
- Overhead
 - Meetings, Talks, etc.
- Out of Office
 - July 21-24, 2026 - Vacation
 - March 22-24, 2027 - Vacation
 - On-campus 3 days/week (**T**, **W**, **TH**). New OFFICE - G106.

Week 26

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
 - Successful 202606 M1-Mooring Turn
- 901101 - Seafloor Mapping
 - Received an update request from Jenny P. Will look into it despite being out of projet time.
- 902101 - LRAUV Technology Development
 - Features
 - Improved Build a Command modal UX for mission variables: #696, PR #700
 - Enhanced science/depth charts w/ time window, logset, & axis controls: PR #703
 - Added Server Health modal with health and subscriber status:PR #704
 - Added recently used missions/ Amend Command to Build a Command: PR #700
 - Filtered unit choices by selected mission parameter in Build a Command: PR #708
 - Restricted Server Status menu item to operator/admin roles only
 - Bug Fixes
 - Removed stale Mission Script Guide link & clarified variable description:PR #706
 - Sorted Deprecated/ missions to the bottom of the mission picker: PR #711
 - Collapsed Deprecated sub-paths into a single group
 - Planning/Research
 - Reviewed open Dash5 GitHub issues for 2027 effort estimation (for PI request)
 - Reviewed open issues for potential closure
 - TethysDash
- 901805 - Coastal Biogeochemical Sensing Program
- 902111 - Carbon Flux Ecology
 - SINKER (sinker-dash) - In Progress (PR #57)
 - Implemented NetworkTab with real live data, toolbar health widgets, and status-logger improvements
 - Hardened API layer: 503 handling on missing SINKER_API_URL, power draw coercion, Redis default port, isOnline checks
 - Restored camera aliases and power_status integer enum
 - Added filesystem cache, jq fallback, and nc guard for instrument status
 - Fixed SSE relative import path and keyboard accessibility on network widget
 - Addressed 10+ rounds of Copilot PR review comments

- Reviewed the 2027 SINKER Proposal and commented.
- 902403 - Expedition DB Modern
- Overhead
- Out of Office
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Week 25

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
 - Preparing for M1 turn this Friday.
- 901101 - Seafloor Mapping
- 902101 - LRAUV Technology Development
 - Log Tab Repair & Dash4 Feature Port (Jun 10) — Fixed broken log file links in RealTimeLogs and restored Dash4-era log navigation features (PR #678):
 - Replaced individual shore.log/KML/parent links with a unified Data toolbar button
 - Added a Data button alongside the Shore and ESP buttons
 - Fixed KML filename reference to use shore.kml
 - Deployment-Scoped Science Data Time Windows (Jun 10) — Added a time window selector to the Science/Vehicle data chart sections (issues #651 and #677):
 - Options include Latest Dive and Full Deployment views
 - maxlen parameter omitted for long windows; data is decimated client-side instead
 - Fixed empty state display when no chart data is available for a given window
 - Fixed 404 responses being treated as errors instead of no-data
 - Native SMS / Phone Number Support for Notifications (Jun 15) — Added full phone number (SMS) support to the notification destination dialogs (PR #682):
 - Notification modal now detects phone numbers and adapts UI and wording accordingly
 - Test-send messaging customized for SMS vs. email destinations
 - Plain-text toggle hidden for phone number destinations
 - Users can now set a default notification destination (email or phone), persisted in localStorage and auto-selected on modal open
 - Inline "Make Default" checkbox added; modal close blocked when interacting with checkboxes
 - Developer Onboarding Guide (Jun 15) — Added a comprehensive docs/developer-onboarding.md covering monorepo setup, build workflow,

the exports→dist pattern, test commands, and key file locations (PR #684).

- createUser POST Payload Fix (Jun 16) — Removed an erroneous { data: } wrapper from the createUser POST body that was breaking user registration. Updated tests to assert the correct payload shape (PR #686).
- TethysDash API Compatibility Fixes (Jun 17) — Following a TethysDash backend update (v4.99.77), three breaking API changes were identified and patched with same-day PRs:
 - Fixed double-slash in default base URLs causing 400 errors across all API calls (PR #687)
 - Removed the noteMatches parameter from GET /events dropped by the backend (PR #688), and fixed the corresponding TypeScript test (PR #690)
 - Removed the path parameter from POST /commands dropped by the API (PR #689), and fixed the TypeScript compile error in the test (PR #691)
- 901805 - Coastal Biogeochemical Sensing Program
- 902111 - Carbon Flux Ecology
 - Working with Andrew McMann on getting MBARI SSO working on the sinkerdev server.
 - Other sinkerdev work (not on production yet):
 - Wired real data into the Network tab with connectivity scripts and a toolbar health dot
 - App version badge baked into the build via GIT_VERSION and displayed in the nav bar
 - Power status fallback logic using power_draw for lights, camera strobe, and SED status
- 902403 - Expedition DB Modern
- Overhead
- Out of Office
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Week 24

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
 - Preparing for M1 Mooring turn on Jun 19, 2026
- 901101 - Seafloor Mapping
 - Fixed .fnv file parser to always skip lines beginning with # (PR #308, Jun 2)
- 902101 - LRAUV Technology Development
 - Science/Vehicle chart time windows — PR #679 (Issues #651, #677)

- Added deployment-scoped time window selector to Science/Vehicle data charts (Latest Dive, 3 Days, 7 Days, Full Deployment)
- Created new useDeploymentChartData hook and getVariableData API client to fetch data across log session boundaries
- Fixed infinite loading caused by DateTime.utc() being recomputed on every render, invalidating React Query cache keys on each re-render (memoized with useMemo)
- Decoupled variable-name lookup from selected time window so 3-day/7-day windows always resolve chart variables even when the vehicle is mid-dive
- Treated TethysDash 404 responses as "no data" instead of errors so missing variables are silently omitted rather than breaking the chart section
- Removed 24-hour window option — too short for typical LRAUV dive cycles (last processed data is often 25–48h old)
- Omit maxlen cap for windows > 4 days; decimate client-side to 5,000 points to prevent truncation to most-recent data only
- Added informative empty state messages distinguishing "no data in window" from "data exists but not in this category"
- Multiple rounds of Copilot review fixes
- Log links / Data toolbar — PR #676
 - Added Data toolbar button to RealTimeLogs alongside existing Shore and ESP buttons
 - Fixed broken log directory links (corrected shore.kml filename, URL construction)
 - Added Dash4-style log navigation features
- FullWidthVehicleDiagram / DepthSparkline
 - Added Okeanids link button anchored to vehicle SVG coordinate system
 - Unified DepthSparkline and vehicle widget as a single scaling unit
 - Fixed volt/amp threshold text using alarm color incorrectly (now neutral)
 - Fixed sparkline position clamping and gate on vehicle-loaded state
 - Fixed recovered vehicle status display and RECOVERED docked-state handling
 - Multiple rounds of Copilot review fixes on PRs #657 and #578
- 901805 - Coastal Biogeochemical Sensing Program
- 902111 - Carbon Flux Ecology
 - Fixed a silent breakage in the nginx deployment where docker compose pull was replacing the custom MBARI nginx image (compiled with RTMP + fancyindex) with a stock Docker Hub image, causing all routing to fail with no error output. Added pull_policy: build to force Docker Compose to

always build nginx from the local Dockerfile on both dev and prod.
(deploy-sinker, Jun 4)

- 902403 - Expedition DB Modern
 - Reading through Brian's proposal for next year.
- Overhead
- Out of Office
 - March 22-24, 2027 - Vacation
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Week 23

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
 - Working with Jared F. on the next M1 mooring turn June 19th.
 - 901101 - Seafloor Mapping
- 902101 - LRAUV Technology Development
- 902504 - Scalable Semantic Mapping
 - Fixed mission links to use window.location.origin for correct absolute URLs, and addressed Issue #290 (3D Citations)
 - Removed duplicate missions-page class injection in mission_filter.html
 - Both bug fixes still need to be tagged and deployed to smdb-dev for testing.
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
 - Vehicle Track Visualization (Issue #652)

Week 22

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
- 901101 - Seafloor Mapping
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
- 902111 - Carbon Flux Ecology
- 902403 - Expedition DB Modern
- Overhead
- Out of Office
 - May 26-28, 2026 - Vacation
 - March 22-24, 2027 - Vacation
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Week 21

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance

- Working with Jared F. to prepare new M1 mooring deployment in June (20260606). Spent a bit of time testing settings and scripts for him.
- 901101 - Seafloor Mapping
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
 - May 18-20, 2026
 - Features
 - Preserved open accordion tab across vehicle switches — Issue #278, PR #642
 - Added Dash4 log color syntax highlighting — Issue #640, PR #641
 - Showed deployment start date below deployment title in toolbar — Issue #217, PR #645
 - Showed last comms elapsed time in the vehicle log toolbar — Issue #270, PR #646
 - Bug Fixes
 - Fixed compact log label wrapping to 2 rows instead of truncating — PR #647
 - Prevented React state-after-unmount warnings in async useEffect hooks — Issue #557, PR #644
 - Expanded Jest testMatch to discover tests in components/ and lib/ — Issue #560, PR #643
 - Hidden operator attribution for automatic Default missions in Schedule History — PR #648
 - Removed "Vehicle (automatic)" name from Default mission schedule cells — PR #648
 - Fixed blank line in schedule cell when name is empty — PR #648
 - Used isDefaultMission flag instead of label matching to detect Default missions — PR #648
 - Investigation/Research
 - Assessed feasibility of SST and HYCOM ocean model map overlays for the Bermuda LRAUV Pyxis deployment
- 902111 - Carbon Flux Ecology
 - May 19-20, 2026
 - Diagnosed sinkerdev outage — all containers were healthy but the site was unreachable due to a Docker network/iptables issue; resolved by bringing the stack fully down and back up
 - Pulled production watchdog fix (commit c438114) — run_stream.py patch now restarts dead camera worker processes (PlanktivoreHM, PlanktivoreLM, Shadowgraph) automatically; sinker-stream now requires ≥6 live Python processes to pass health checks

- Silenced all browser console logging — commented out console.log calls across 31 frontend source files (components, hooks, API client)
- Fixed recurring Controls & Environments breakage — 9 API proxy route files were constructing the wrong FastAPI URL (appending /api which FastAPI doesn't use); all 9 files corrected
- Prevented the bug from recurring — added a shared lib/backendUrl.js utility, a pre-build URL check script (check-backend-urls.sh), and a canonical build.sh that blocks the Docker build if the pattern reappears
- Updated health test suite — rewrote test_sinker_health.py for the new per-camera-container architecture; now passing 59/59. Noted environment difference: sinkerdev uses Redis on port 6380 while production uses 6379 — the test now correctly targets the proper port on the server it runs on.
- Pushed all fixes upstream — rebased and pushed corrected source code to mbari-org/sinker-dash on GitHub and updated mbari/sinker-dashboard:latest on Docker Hub so future deploys and image pulls are clean
- Tagged builds v1.0.9 through v1.0.13 throughout the day as fixes were validated
- 902403 - Expedition DB Modern
- Overhead
- Out of Office
 - May 26-28, 2026 - Vacation
 - March 22-24, 2027 - Vacation
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Week 20

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
 - Set up filesystem and scripts on coredat8 for upcoming M1 Mooring Deployment turn in June.
- 901101 - Seafloor Mapping
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
 - **Production Releases**
 - v5.1.22 — released May 7
 - v5.1.25 — released May 12
 - **May 5–11**
 - PR #583 — Comms Queue badge now only counts un-acknowledged commands
 - PR #589 — Hide parameter summary for non-mission commands

- PR #590 — Apply comms lookup to mission commands stuck on "pending"
- PR #591 — Surface MTMSN/MOMSN in Schedule History popup for satellite-acknowledged commands
- PR #593 — Show all command segments highlighted green in Schedule History row
- PR #595 — Demote timed-out directives to "Previous Vehicle Directives" section
- PR #599 — Exclude timeout status from Comms Queue count
- PR #600 — Timeout note takes priority over cell state:2 ACK in determineCommandStatus
- PR #601 — Group same-event-ID timeout notes into one collapsible Logs row
- PR #603 — Always show "Previous Vehicle Directives" section when historic items exist
- PR #605 — Timeout note is ground truth for all via types in determineCommandStatus
- PR #607 — Always show timeout pill for commands with explicit scheduled timestamps
- PR #608 — Timeout note overrides any API status, not just pending
- PR #610 / #611 — Show "Ended: N/A" for timed-out directives in Schedule History row, popup, and table
- PR #612 — Introduced StopwatchWarningIcon (custom hourglass + exclamation badge) for timeout status in ScheduleCell
- PR #613 — Exclude historically timed-out commands from Comms Queue count
- PR #614 — Comms Queue accuracy and timeout icon polish
- Map & Vehicle Widget
- PR #616 — Fixed polygon perimeter calculation in the Measure Distances & Areas tool (was missing the closing segment)
- PR #617 — Major vehicle widget update to v2.99: CTD toggle, battery threshold indicators, dynamic svg_current bar, camera indicator, docked-state rendering parity with Dash4, and numerous layout fixes
- PR #618 — Hide "NextComm" label when vehicle is docked (applied to both map views)
- May 12-13
 - PR #620 — Deployment Plan Editor Fixes & Email Notification UX Resolved several bugs in the deployment plan editor: save error handling, sticky toolbar behavior, font-size clearing with the P key, and surfacing the last-editor name. Also improved the email notification UX flow.

- PR #623 — Docs Sort by Last-Edited Date Documents in the Docs section now surface the most recently updated entries first, making it easier to find active mission documents.
- PR #625 — ENS Modal: Extra Notification Email Addresses The Email Notification System modal now surfaces additional subscriber email addresses. Included accessibility improvements, dropdown keyboard navigation, and extensive Copilot review iterations.
- PR #630 — DocViewer Formatting Fix Synced DocViewer rendering extensions with DocEditorTipTap so that bold, italic, bullet lists, and other rich-text formats display correctly when viewing saved documents.
- PR #631 — Auto-Refresh Logs + Relative Timestamps + Last-Updated Indicator Logs now auto-refresh every 30 seconds. Each log entry shows a relative timestamp (e.g. "~2h ago"). A "Last updated X ago" indicator appears in the toolbar. useTick was enhanced with an enabled flag to prevent unnecessary background polling.
- PR #632 — Compact Log Density Toggle Added a toolbar toggle that switches log entries between a compact (tight, small font) and standard view. Preference is persisted in localStorage across sessions.
- 902111 - Carbon Flux Ecology
- 902403 - Expedition DB Modern
- Overhead
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Week 19

- 200103 - Core CTD Data - MDUC
 - Update the O2 flags on EXPD for the ROV this week.
- 300057 - Mooring Maintenance
 - Weekly maintenance and verification of data downloads
- 901101 - Seafloor Mapping
 - Finished my work on this project for 2026 proposal work.
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
 - Tuesday, April 22
 - Opened / built #563 UI polish work: Email Notifications modal — blue header/table headers, title alignment, then Copilot review follow-ups (items-center on header container, darker close button for contrast).
 - Sunday, April 27

- Production: release PR #565 (develop → main, v5.1.13) merged per GitHub history.
 - #567 merged — operator-cancelled missions show “Cancelled” in Schedule; Copilot/review fixes.
 - #566 — backport / review fixes after develop→main.
 - #569 ground work: “Delete from Queue” renamed to “Cancel this Directive”
- Monday, April 28
 - #564 merged — Email Notifications modal stylization (tracker #563).
 - #563 — deployment lifecycle labels in VehicleHeader / OverviewToolbar; pre-launch wording iteration, tests, epoch fallback guard; revert + docs locking in final pre-launch wording.
 - #569 — Cancel this Directive - feature merged.
 - #571 — invalidate event queries after cancel so UI updates immediately.
- Tuesday, April 29
 - #572 — Schedule History search/filter row stays visible when search has no matches.
 - #573 — distinguish mission param updates vs vehicle configSet in labeling.
- Wednesday, April 30
 - #575 — Overview map: stale ResizeObserver + rAF / invalidateSize guards.
 - #576 — Overview map partial render after client-side navigation (offsetWidth poller).
- Sunday, May 4
 - #581 — preserve newlines in log events.
 - #582 — ESRI tile URL + env interpolation fixes.
 - #583 — Comms Queue count shows only un-acked commands (ties to #474).
- Monday, May 5
 - #588 — remove stray } in sched timestamp (makeCommand).
 - #589 — hide parameter summary for non-mission commands.
 - #590 — comms lookup for mission rows stuck on pending.
 - #591 — MTMSN / MOMSN in Schedule History popup for sat-ACKed commands.
 - #593 — all command segments green on Schedule History row.
 - #595 — timed-out directives demoted to Previous Vehicle Directives.
 - #599 — timeout excluded from Comms Queue count (#598).
- 902111 - Carbon Flux Ecology
 - Awaiting team images to add to UI
- 902403 - Expedition DB Modern

- Overhead
- Out of Office
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Week 18

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
- 901101 - Seafloor Mapping
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
- 902111 - Carbon Flux Ecology
- 902403 - Expedition DB Modern
- Overhead
- Out of Office
 - Currently dealing with a family relative's health issue in hospital and will be working from home until that status has been determined.
 - On-campus 3 days/week (**T, W, TH**). New OFFICE - G106.

Week 17

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
 - Weekly maintenance and download stability verification.
 - Attended a ZOOM meeting regarding the new SatLink updates for Mooring data downloads. Things are looking good. There are only one to two dropouts daily anymore which is a huge improvement in data download stability.
- 901101 - Seafloor Mapping
 - Discussed updates on sinkerdev with Jenny Paduan. She has expressed that she is happy with the recent updates tested there.
 - Requested Mike M. to update the production server database and surveyTally.xlsx imports.
 - I have completed my time on SMDB for the year resolving all of the requested issues and outstanding PR's for the team.
 - Deployed final SMDB updates/merges to the production server (all is working well):
 - #299 Filter panel: reactive hover/click feedback on Filter and Clear buttons (#297)
 - #302 Sidebar filter: Citation search fields in sidebar UI (Home & Missions pages) (#301)

- #301. feat: citation search in Missions sidebar and tally load (#301)
 - #297 ux: Filter/Clear sidebar button hover & click (#297)
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
 - Fixed the compose.yml for both production and development servers for the Dash5 on tethysdash2. The reboot of the server on April 10th for the LRAUV group (tethysdash2) caused a major dash5-staging error as the compose.yml did not have the “restart: unless stopped” in it. That has now been added and should not occur again.
 - Performed code reviews and merged the following Dash5 code updates for Zack Lyon (last week was his final week on the project):
 - #533 Remove Data Events from Logs by Default
 - #540 Fix Incorrect Vehicle Status Icon / Comms Indicator
 - #547 GH262 — Docs Section Defaults to This Vehicle
 - #532 GH459 — Frequent Mission Parameters
 - #552 Argos Battery Indicator
 - Performed the following LRAUV Dash5 Code merges into the development server: dash5-staging.mbari.org:
 - #537 Enhancement — Add Polygons, TILE Layers, and KML Layers to the Add Layers dropdown; search/filter modal matching TrackDB
 - #531 Fix: improve schedule running-status accuracy and matching safety
 - #543 Fix: Overview Map partial render and React warning on refresh
 - #554 Feat: add Center Map On button to TrackDB platform list
 - #551 Fix: recovery display + ship TrackDB 7-day window for SPOT trackers
 - #549 Feat: Quick-Access Resources dropdown near PIC section (#545)
 - #528 Fix: show full document name and docType in Docs section (#514)
 - #530 Feat: add schedule history details modal quick view
- 902111 - Carbon Flux Ecology
 - Fixed SINKER production build issue regarding Redis: The stock backend logic had a systematic decode bug for power_status; config was not the culprit. What’s on disk now is compose + a patched redis_ts.py overlay until Danelle lands the same fix in fastapi-sinker and you deploy a proper image tag instead of (or in addition to) the mount.
 - Attended SINKER Meeting last Wednesday regarding data and graph presentation within the UI
 - Will begin focusing more on SINKER now that SMDB work is complete.
 - Addressed the following PR’s:

- PR #55 fix(api): graceful offline handling for ADCP-absent deployment
 - Issue #54 fix: v1.8 API regressions — ADCP-absent deployment...
 - PR #57 fix: Health UI, toolbar camera status, Data page connection state
 - Issue #56 fix: Health dashboard accuracy, toolbar camera status...
- 902403 - Expedition DB Modern
- Overhead
 - Director's Dialogue on April 7th.
- Out of Office
 - Currently dealing with a family relative's health issue in hospital and will be working from home until that status has been determined.
 - On-campus 3 days/week (**T, W, TH**). New OFFICE - G106.

Week 16

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
- 901101 - Seafloor Mapping
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
- 902111 - Carbon Flux Ecology
- 902403 - Expedition DB Modern
- Overhead
- Out of Office
 - On-campus 3 days/week (**T, W, TH**). New OFFICE - G106.

Week 15

- 200103 - Core CTD Data - MDUC
 - Reviewed emails from Rob but still need to implement his updates. I will get to that today or tomorrow.
- 300057 - Mooring Maintenance
 - Watching the M1, OA1 and OA2 downloads since the addition of satellite infrastructure.
- 901101 - Seafloor Mapping
 - Received a new request from Jenny P. for citation filtering on the SMDB. I am scoping out the amount of work and time to do this.
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
 - The LRAUV UI has been the bulk of my work this past week. I have been running through Github Issues for the Dash5 and addressing updates for the team. Many of these updates are being reviewed by Zack Lyon. Once they are approved, I am pushing them to the dash5-staging development server for staging prior to adding them to the production server (dash5),. I

am hopeful that many of these updates will be on the production server in the near future.

- Last week, I spent time as PIC on the LRAUV deployments.
- 902111 - Carbon Flux Ecology
 - Re-deployment this week. I spent some time updating the SINKER UI to deal with system and instrument sensors/failures/disabled, etc in RT. The next step will be graphing and charting of data to the UI in RT.
- 902403 - Expedition DB Modern
- Overhead
 - Director's talk
 - Lots of meetings.
- Out of Office
 - On-campus 3 days/week (**T, W, TH**). New OFFICE - G106.

Week 14

- 200103 - Core CTD Data - MDUC
 - Recently received ROV CTD O2 QC requests from Rob and began on them today.
- 300057 - Mooring Maintenance
 - Worked with Kevin Gomes to make sure the oasis shares move from Titan to Thalassa went smoothly. So far so good.
 - Worked with Brent Jones on determining issues with the vipr radios occasionally failing for M1.
- 901101 - Seafloor Mapping
 - Pushed all recent updates and testing from smdb-dev (development server) into the Production server. All updates are now live on production.
 - Bug Fixes — Merged into Development (smdb-dev) and Production (smdb) servers
 - Map Tooltip Fix (PR #296, merged Mar 27)
 - Dates were showing as "Invalid Date" for non-standard slug formats — now uses start_date directly from GeoJSON feature properties with slug-parsing as a fallback
 - route_file showing as "null" when not present in the database — fixed null handling
 - Also addressed Copilot review suggestions: improved slug-parsing fallback logic and added escapeHtml() to prevent XSS from DB-backed fields in tooltip HTML
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
 - DevOps / CI:
 - Diagnosed and documented the staging deployment process (yarn version:patch → git tag → GitHub Actions → Docker :staging

image → Watchtower auto-update). Confirmed production is now safely isolated.

- Features — In Review (open PRs):
 - DocType Display in Docs Section (Issue #514, PR #528)
 - Schedule History Running-Status Accuracy (Issues #516, #488, #523, PR #531)
 - Schedule Event Details Modal (Issue #517, PR #530)
- Bug Fixes — Merged to develop:
 - Browser Refresh Session Logout (Issue #515)
 - DocCell Label Truncation (Issue #514)
- 902111 - Carbon Flux Ecology
 - Sinker Dashboard (sinker-dash, merged into develop server for testing Mar 25)
 - PR #42 — Restored the schematic attribution ? tooltip at the SVG corner (broken by a deprecated react-tooltip pattern)
 - PR #43 — Replaced speculative "System may have been recovered" ADCP message with neutral, factual status text
 - PR #44 — Schematic housings now navigate to the Controls tab on click; fixed warning icon incorrectly appearing on normal status
 - PR #45 — Schematic housings now turn orange when instrument data is stale (ADCP: >4 hours old; Camera housings: PTVR HM/LM, Shadowgraph, SedFlux HM/LM)
- 902403 - Expedition DB Modern
- Overhead
- Out of Office
 - On-campus 3 days/week (**T, W, TH**). New OFFICE - G106.

Week 13

- 200103 - Core CTD Data - MDUC
 - Working with Rob S. to get updated CTD coefficients for the O2 flag for the EXPD.
- 300057 - Mooring Maintenance
 - Still chasing some M1 Viper issues for downloads with Brett H.
- 901101 - Seafloor Mapping
 - Finished testing and fixes of updated SMDB Dash code on smdb-dev and awaiting Mike M.'s review and hopeful push to production....
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
 - Was PIC for several recent LRAUV missions
 - Planning to attend the next MBARI/SAAB discussion for SAAB's development of LRAUVs
 - Continuing to work on the dash5 issues and updates. I have several fixes that have gone through review on dash5 on my local system and are

awaiting review by Jim Jeffers and hopefully pushes to first dash5-staging and then dash5 for official rollout.

- 902111 - Carbon Flux Ecology
 - Worked on various features and bug fixes for the SINKER Dash
- 902403 - Expedition DB Modern
- Overhead
- Out of Office
 - OOO Friday-Tuesday of last/this week. Returned to office today.
 - Vacation: Mar 20 - 24, 2026.
 - On-campus 3 days/week (**T, W, TH**). New OFFICE - G106.

Week 12

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
- 901101 - Seafloor Mapping
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
- 902111 - Carbon Flux Ecology
- 902403 - Expedition DB Modern
- Overhead
- Out of Office
 - Vacation: Mar 20 - 24, 2026.
 - On-campus 3 days/week (**T, W, TH**). New OFFICE - G106.

Week 11

- 200103 - Core CTD Data - MDUC
 - Trying to help Rob figure out why new CTD O2 plots are displaying "jittery" than the same data a few months ago.
- 300057 - Mooring Maintenance
 - M1, OA1, and OA2 mooring data downloads were failing most of yesterday. M1 downloads failed from 5AM - 5PM but eventually caught up. Adriana S. stated that the Starlink Tunnel did not go down yesterday and that the issue was most likely related to the Viper Radios. I believe Brett J and Doug C. may take a trip up to Mr. Toro tomorrow to inspect them and possibly improve the radio's connections/signals.
- 901101 - Seafloor Mapping
 - This week I took on some final major updates for the SMDB Dash for the team. Jenny P. indicated that various updates were needed and that I might be able to wrap up my time on the project for a while if these were completed. Needing to focus on other projects (SINKER and LRAUV), this was a logical step to complete now.
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development

- Attending the Monday meetings
- I began my Pilot in Training (PIC) refresher course and test. I tried to sign up to be on watch for the Ahi deployment this week but Steve H. and his lab indicated they had it all covered.
- I reached out to Brian K. and Quinn S. this morning to see if they wanted me to take a PIC position for the Triton deployment today.
- 902111 - Carbon Flux Ecology
 - Busy week: SINKER was redeployed into the Monterey Bay. I worked with Danelle C. to bring up the SINKER Dash for the team. We are using a new server system (snowfall) instead of thalassa. The system is working but two cameras (PTVR) are offline and the ADCP data is not streaming out of redis well. I will look into this potentially next week when the majority of the team is back from the Oceans Meetings in the UK.
- 902403 - Expedition DB Modern
- Overhead
- Out of Office
 - Vacation: Mar 20 - 24, 2026.
 - On-campus 3 days/week (**T, W, TH**). New OFFICE - G106.

Week 10

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
 - Aided IS with determining if the shift over to StarLink for Data Downloads was successful. I have been monitoring the downloads for the team and have been pleased that few download failures have occurred since the transition.
- 901101 - Seafloor Mapping
 - Spent time this week trying to wrap up the SMDB Dash. I am aware my time to give to this project will be limited throughout the rest of the year and wanted to address it now.
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
 - The last two weeks I have set up the [Dash5 production](#) server for the LRAUV team and established the [dash5-staging url link](#) as a development-only server for the software to be thoroughly tested through prior to being deployed to the production server.
 - I attended the Friday meeting with the team
 - I send out a Slack message to all of the #lrauv-operations group to ensure that all lrauv pilots only use the new Dash5 production server.
 - I will be refreshing my lrauv pilot training this week and will take the test asap.
- 902111 - Carbon Flux Ecology
 - Preparing for the next SINKER deployment this week.

- 902403 - Expedition DB Modern
- Overhead
- Out of Office
 - Vacation: Mar 20 - 24, 2026.
 - On-campus 3 days/week (**T, W, TH**). New OFFICE - G106.

Week 9

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
- 901101 - Seafloor Mapping
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
- 902111 - Carbon Flux Ecology
- 902403 - Expedition DB Modern
- Overhead
- Out of Office
 - On-campus 3 days/week (**T, W, TH**). New OFFICE - G106.

Week 8

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
- 901101 - Seafloor Mapping
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
- 902111 - Carbon Flux Ecology
- 902403 - Expedition DB Modern
- Overhead
- Out of Office
 - On-campus 3 days/week (**T, W, TH**). New OFFICE - G106.

Week 7

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
- 901101 - Seafloor Mapping
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
- 902111 - Carbon Flux Ecology
- 902403 - Expedition DB Modern
- Overhead
- Out of Office
 - On-campus 3 days/week (**T, W, TH**). New OFFICE - G106.

Week 6

- 200103 - Core CTD Data - MDUC
 - Discussions with Kevin G. and Rob on the proper O2 Data Flow issues.
- 300057 - Mooring Maintenance
 - Working with Kevin G., Jared F., and IS on some serious M1 download issues observed over the last few weeks.
- 901101 - Seafloor Mapping
 - This week I worked on the Pull Request for the SMDB updates that Jenny has been asking for from the smdb-dev server to the production server (smdb). I am hopeful that Mike will be able to merge this PR with several review updates soon to the production server.
 - I also fixed a bug in the leaflet-measure application for the SMDB dash and pushed that as well to be merged into the production.
 - Today I am fine-tuning various bugs and map views for the Missions, Expeditions and Compilations pages under the Data Menu for the SMDB dash and hope to test and push those as well this week.
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
 - Waiting on a meeting with Brian K. to discuss exact expectations for my time in 2026 for the LRAUV project.
- 902111 - Carbon Flux Ecology
 - Reviewed some of the SINKER dash code this week in anticipation of the upcoming March deployment.
- 902403 - Expedition DB Modern
- Overhead
 - Met for my annual review with Kevin G.
 - Attended MBARI talks and group meetings.
- Out of Office
 - On-campus 3 days/week (**T, W, TH**). New OFFICE - G106.

Week 5

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
- 901101 - Seafloor Mapping
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
- 902403 - Expedition DB Modern
- Overhead
- Out of Office
 - On Vacation for Christmas Holidays: Mon. Dec. 22, 2025 - Fri. Jan 9, 2026. Back in the office on Jan 12th. I will be online and available to help during this time, albeit intermittently.
 - On-campus 3 days/week (**T, W, TH**). New OFFICE - G106.

Week 4

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
- 901101 - Seafloor Mapping
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
- 902403 - Expedition DB Modern
- Overhead
- Out of Office
 - On Vacation for Christmas Holidays: Mon. Dec. 22, 2025 - Fri. Jan 9, 2026. Back in the office on Jan 12th. I will be online and available to help during this time, albeit intermittently.
 - On-campus 3 days/week (**T, W, TH**). New OFFICE - G106.

Week 3

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
- 901101 - Seafloor Mapping
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
- 902403 - Expedition DB Modern
- Overhead
- Out of Office
 - On Vacation for Christmas Holidays: Mon. Dec. 22, 2025 - Fri. Jan 9, 2026. Back in the office on Jan 12th. I will be online and available to help during this time, albeit intermittently.
 - On-campus 3 days/week (**T, W, TH**). New OFFICE - G106.

Week 2

- 200103 - Core CTD Data - MDUC
- 300057 - Mooring Maintenance
- 901101 - Seafloor Mapping
- 901805 - Coastal Biogeochemical Sensing Program
- 902101 - LRAUV Technology Development
- 902403 - Expedition DB Modern
- Overhead
- Out of Office
 - On Vacation for Christmas Holidays: Mon. Dec. 22, 2025 - Fri. Jan 9, 2026. Back in the office on Jan 12th. I will be online and available to help during this time, albeit intermittently.
 - On-campus 3 days/week (**T, W, TH**). New OFFICE - G106.