

Brian Kieft Sorted By Project

300078 - DMO Support - AUV

- Recovered LRAUV Daphne following MBTS deployment (Week 7)
- B&T and prep for Ahi prior to MBTS (Week 7)
- Attended a part of hyperion update (Week 7)
- Hyperion meetings (Week 11)
- Hyperion meeting last week (Week 12)
- Hyperion meeting this week (Week 15)
- Hyperion meeting (Week 16)
- Reviewing hyperion proposal. Labor gaps to fill. (Week 24)

300082 - DMO Support - Wave Glider

- Piloting this weekend (Week 11)
- Piloted Hansen over the weekend for KBB lab (Week 12)
- Piloting this week (Week 14)
- Piloting this weekend (Week 15)
- Piloting this weekend (Week 16)
- Recovery last week and today for a candidate (Week 18)
- Piloted last weekend (Week 24)

300083 - DMO Support - LRAUV

- On call for MBTS this week (Week 7)
- Supporting LRAUV deployments this week (Week 11)
- On call for MBTS deployments this week (Ahi/Daphne) (Week 12)
- Supporting Triton deployment this week. On call, did checkout, deployed. (Week 13)
- Supported Ahi deployment this week (Week 14)
- CFE lab deployment. Supporting Ahi/Triton (Week 15)
- Supported CFE deployment over the weekend (Week 16)
- Supporting Makai deployment (Week 16)
- Supported Makai deployment last week/weekend. Had some issues with a broken pole that I repaired offshore and also some rudder issues due to rubbing on the fairing. The deployment was able to continue and was successful. (Week 18)
- Lots of operations this past week. Ahi, Daphne, Triton, Pontus (Week 21)
- Lots of support for the Makai deployment. 3 other LRAUVs also out. (Week 24)
- Need to fix a handful of things on Makai (Week 24)
- Supporting Ahi/Triton/Pontus deployments (Week 28)

901513 - Targeted Sampling by AUVs

- Worked with Yanwu on new mission/behavior changes for plankton terminated yoyos (Week 7)
- Supporting krill deployment now (Week 11)
- Worked with Yanwu last week for testing of krill sampling mission (Week 12)
- Supported deployment last week (Week 14)
- Met with synchro team to discuss adaptive sipper mission with Yanwu (Week 16)
- Basic concept work for Synchro mission. Assisted with an initial test last week that demonstrated intra vehicle comms triggering a water sample. (Week 18)
- Running the Synchro follow and sample deployment now (Week 21)

902101 - LRAUV Technology Development

- Confirmed sanctuary requirements for mock dock (Week 7)
- drop weight incidents from 2025 submitted (Week 7)
- Dash 5 meeting with subs (Week 7)
- Updated data unpacking scripts for 2026 (Week 7)
- Building TRN for the target for sim testing (Week 7)
- Ran MMP tests in tank/harbor. Benthos offered latest firmware which has been loaded and is in testing. (Week 7)
- Reviewing a little of the AUV tutorial for OSM (Week 7)
- Lots of TRN work with HIL simulations. Data is finally flowing. Running more tests and looking at data. We'll get offshore eventually... (Week 11)
- Working with Benthos to deal with DAT configuration issues (Week 11)
- Lots of TRN work to get the hardware in loop sim back up and running. Getting closer. (Week 12)
- Logistics for DAS deployment and sanctuary writeup (Week 12)
- Updated DAT firmware on entire fleet (Week 12)
- Worked with Benthos to determine meaning of serial # in datcal files (this took way too long) (Week 12)
- Worked on domestic sim card issue for Brizo cradlepoint. Seems to be hardware. (Week 12)
- Lots of TRN this week. Debugging issue with ingest of solution. (Week 13)
- TRN work continues. Added fix to TRN code to ingest useitorloseit value from LRAUV (Week 14)
- RDI validation for Cole's fixes (Week 14)
- PR reviews (Week 14)
- Planning meetings for Durkin deployment (Week 14)
- Planning meeting for first DAS deployment. Working with Benthos on chirp options that don't cost money (Week 14)
- Issued LNM for mock dock and DAS (Week 14)
- Sanctuary approval for mock dock (Week 14)
- Trying to find the gear for the mock dock. May have to start fresh. (Week 14)
- More TRN! (Week 15)

- Opah deployment today testing smaller prop and PH sensor (Week 15)
- Ran radius tests in preparation for DAS testing next week (Week 16)
- Fixed plumbing issue and stbd elevator issue on Opah (Week 16)
- Makai DVL testing for PDO (Week 18)
- Makai DVL debug for navigation error and bottoming incident (vendor sent incorrect rotation) (Week 18)
- Very first DAS deployment went well. Demonstrated L&R with 100m of fiber off the tail along with wide radius turns. Underway recovery went smoothly. Some work needed to avoid porpoising in our default mission. (Week 18)
- Issue found with Tidente sensor on Opah. Vendor sent a custom output with no addendum to the manual. Fixing this output issue and running comparison tests with Bill to compare to our existing pucks. (Week 18)
- Fixed up battery configuration on Ahi, helped close, and tested. (Week 18)
- Testing on Brizo for depth outlier rejection (Week 18)
- Merged in Glider FET code. Now an operational payload currently on Opah. (Week 18)
- Met to discuss dash 5 progress and future steps to encourage user participation (Week 18)
- Working on PRs and bug fixes mostly. (Week 21)
- TRN work continues in GZ sim. (Week 21)
- Opah deployment. Looking into GF issues with DAT (Week 24)
- Investigating mockdock modem failure (Week 24)
- Lots of work calculating CB/CG on hovering vehicle Tethys (Week 24)
- TRN is now working in sim! Time to head offshore with it. (Week 28)

902106 - Niobicon-Based AUV Docking Development

- Standing by on Mandy for mock dock deployment. (Week 11)
- Sent LNM and sanctuary descriptions (Week 12)
- Docking meeting. Discussed addressing power issues on the solar dock with an external supply to support the fall campaign. (Week 16)
- Trying to locate mock dock. Will build a new one if necessary. (Week 16)
- Re-assembled, tested, and deployed mock dock for testing with Pontus this week. Will survey in with WG Tiny next week. (Week 28)

902304 - Piscivore Cam

- Met with team to discuss service interval and upgrades this month. (Week 7)
- Assisting with B&T for next deployment (Week 21)
- Went over design ideas for new G4 camera system (Week 24)

902606 - Low Altitude Survey AUV

- Team meeting and went over basic SW architecture with Mike. Working on refining system requirements. (Week 7)

902607 - Autonomous Surface Vessel Replacement

- Discussed rental/lease options with Seasats. Planning a deployment down in SD now. Production is behind. (Week 11)
- Spoke with SeaSats to determine "lease/rent" option. Production is too far behind. Will need to head down there to do more hands on testing. (Week 12)
- Met with Data Xplorer team today to review ops in HMB (Week 14)
- NDA received from seasats (Week 15)
- Standing by on response from M team for NDAs (Week 16)
- Multiple comms with SeaSats to get a new quote and get up to speed on their latest accomplishments (Week 18)
- Met with team to discuss proposal (Week 24)
- Met with end user to hear about Lightfish (Week 24)

DQ2445 - NOWRDC Uncrewed Systems

- No coding needed until April. Will start attending meetings Monday. (Week 12)
- Workshop prep meeting and attending workshop today/tomorrow (Week 13)
- Attended workshop (Week 14)
- Met with team today to discuss specifics of deployment (Week 16)
- Attended team huddle (Week 18)
- Charged time per Chris' direction. (Week 28)

Out of Office

- 03/16-18 (MST - wfh Mon/Tue .5 day)
- 03/19 (PDT)
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- TBD 4/6
- 4/9-10 (MST)
- 07/01 (GMT -7)
- 07/17-07/22 (GMT -4)
- 07/26-08/07 (GMT +9)
- 08/26-08/28 (GMT -4)
- 08/29-09/02 (GMT -5)

Overhead

- Working with WHOI on their under ice testing to be demonstrated under actual ice in Western Lake Erie soon. Tests are in Buzzards bay and an outdoor tank facility in MA. Worked on updating heading command while under ice as well as refinements to default mission. (Week 7)
- CPR/FA/AED recert this week (Week 7)
- IP committee attorney search (Week 7)
- NDA signed with SeaSats for further followup on their ASV. Working on a test drive option out of Moss Landing. (Week 7)

- Working the WHOI deployment in Lake Erie. Reconfigured Stella for shallow water ops with mud in the nose. Fixing issue with DVL. (Week 11)
- Reviewed CENCOOS paper on Oshen vehicle (Week 12)
- Reviewing optical modem for CENCOOS (Week 12)
- Lots of work with WHOI under ice deployment in Lake Erie. Recovery is scheduled for Friday. (Week 12)
- Lots of help for WHOI and Stella. Stella remains on the bottom of Lake Erie in 22m of water. (Week 13)
- Hiring committee for SE (Week 14)
- Interview candidate today (Nick) (Week 15)
- Reviewed Marc's DVM paper using LRAUVs (Week 15)
- Helping out WHOI with Stella (Week 16)
- Reviewed diurnal vertical migration paper from Marc (Week 16)
- Worked with HR to get offer out to new SE hire (Week 16)
- Interviewing another candidate today (Week 18)
- Working with WHOI a bunch in preparation for the Bermuda LRAUV deployment (Week 21)
- TRN debugging (Week 24)
- Proposal planning (Week 24)
- Scrubbed Makai logs for Erie (Week 24)
- Supporting WHOI deployments. Fixed elevator issue and dropweight sensor issue on Pyxis over weekend. Along track DMG puts it nearly halfway home from Bermuda (Week 28)
- Supported redeployment of Polaris for scallop surveys. Both Stella/Polaris both had successful runs down south on the shelf. (Week 28)