

901009 - CANON

Week 51

1. Mike McCann
 - a. Processed Gulper mission 2024.351.00

Week 49

1. Thom Maughan
 - a. DeepEdna1 and DeepEdna2 servers have been moved to building G. IS added to Hipp-Edna slack for improved communications.

Week 48

1. Thom Maughan
 - a. Supporting DeepEdna servers. IS has flagged a failing UPS and is moving the servers to Building G. DeepEdna1 has been moved and DeepEdna2 will be moved once one of the science users is done 'BLASTing'
2. Mike McCann
 - a. Added *ad hoc* fixes for consolidated ESP Sample messages in stoqs_denmark2024
 - b. Removed bogus bad makai depths and reloaded stoqs_lrauv_jun2024
3. Carlos Rueda
 - a. Updating MXM dependencies, in particular Quarkus.

Week 46

1. Mike McCann
 - a. Processed Gulper mission 2024.317.01 after initial kerfuffle over naming conventions

Week 45

1. Mike McCann
 - a. Processed Dorado mission 2024.303.01

Week 43

1. Mike McCann
 - a. Helping Chris P. with the Parquet data export from STOQS

Week 41

1. Thom Maughan
 - a. Met with NASA regarding microfluidics implementation. Looks like a collaboration might happen.

Week 40

1. Brian Kieft
 - a. Wrapped up CANON for the year following mostly successful sampling on Makai and a full load of samples on Brizo.
 - b. Yanwu and I elected to skip sample coordination by acoustics and rely on clock time to alternate.
 - c. First time demonstrating sustained OTH eavesdropping from Waveglider using DATMMP interface. This feature was important in passing along sample numbers from underwater allowing vehicles to remain submerged.

Week 39

1. Brian Kieft
 - a. Worked on various mission iterations for intravehicle comms and Waveglider eavesdropping
 - b. Fixed up a couple hotspot scripts to be compatible with this year's experiment
2. Thom Maughan
 - a. Working on eDNA tackle box, troubleshooting startup issue.

Week 38

1. Brent Jones
 - a. Prepped and deployed Ahi + ptvr for CANON

Week 37

1. Kevin Gomes
 - a. Added a CTD stations layer for ECOHAB to the ODSS
2. Brian Kieft
 - a. Working with Yanwu on mission testing and MMP validation
3. Thom Maughan
 - a. Attended the CANON planning meeting. CANON starts next week.

Week 36

1. Thom Maughan
 - a. Attended planning meeting

Week 35

1. Brian Kieft
 - a. Preparing for CANON sampling mission with intravehicle acommms. Testing Yanwu's missions.
 - b. Preparing makai for test ESP deployment
 - c. Setting up acommms testbed via LRAUV dock to test eavesdrop functionality on Waveglider. Test loaded firmware on benthos modem to simulate a load at sea. Somewhat risky

Week 34

1. Mike McCann
 - a. Helping several people with data export from STOQS

Week 28

1. Thom Maughan
 - a. Proposal discussions

Week 27

1. Brent Jones
 - a. Wire walker final prep and deployment. Monitoring performance
2. Thom Maughan
 - a. Discussed HiPP eDNA 2025 with Francisco. He's indicated pressure to scale back.
 - b. Met with Kobun over next steps with NASA. Ran into Chris Scholin and told him about the microfluidics front end for Oxford Nanopore. Met again with Kobun and invite NASA team latter half of August. Also voiced concern about 'competitive' tone to MBARI eDNA efforts with both Francisco and Kobun.

Week 25

1. Brent Jones
 - a. Brought CPF out of storage and beginning check out for next deployment
2. Thom Maughan
 - a. Visit to NASA Ames with Kobun. Met with two groups one of which was working on automated unattended DNA sequencing. NASA has a unit that has a fully functioning microfluidic frontend on an Oxford Nanopore minion. Wow! Thanks Kira Reinecker for hosting.

Week 17

1. Kevin Gomes
 - a. Added the WCOFS layer generation to the odss-utils code

2. Thom Maughan
 - a. Met with Kobun to discuss 2024 plans on eDNA. Followed up with Francisco, then later with Chris Scholin. Work on proposed hours reduction to accommodate float program

Week 16

1. Kevin Gomes
 - a. Wrote script to update mapserver files to make the WCOFS temp and salinity available on the ODSS. Current vector map is turning out to be much harder.

Week 11

1. Carlos Rueda
 - a. Updated dependencies for MXM services. In particular, they are now using the latest Quarkus (3.8.2).

Week 10

1. Thom Maughan
 - a. Chat with Kobun regarding potential microfluidics company
2. Carlos Rueda
 - a. Enabled Prometheus [metrics](#) for MXM

Week 9

1. Brent Jones
 - a. Pressure tested EPOS4 SIPPER controller
 - b. Begin PCB layout for EPOS4 controller
2. Carlos Rueda
 - a. Revisiting MXM implementation as I look into modernization efforts in other projects.

Week 6

1. Thom Maughan
 - a. Met with Kobun to discuss goals for this year.

Week 4

1. Kevin Gomes
 - a. Exploring the WCOFS models per the request of the Synchro program. They are hoping to add the layers to the ODSS. Registered them in THREDDS and working on integration into ODSS.
2. Brent Jones
 - a. Overwatching SIPPER deployment on Daphne

3. Mike McCann
 - a. Testing new version of x3dom that supports Draco compression of .glb terrain data