

902504 - Scalable Semantic Mapping

Week 50

1. Johann Voigtlander
 - a. Organizing payment for 4Dnav use in the Arctic

Week 47

1. Eric Martin
 - a. EOY Buying
 - b. BB support
 - c. Offshore Nov 12, 2025 , all systems go
 - d. Falkor spec review
 - e. Case sizing.

Week 46

1. Francois Cazenave
 - a. Assembling Ventana drawer sled
2. Eric Martin
 - a. Offshore Nov 12, 2025 with another drawer configuration, all went well.

Week 45

1. Eric Martin
 - a. Prep for a Ventana Day
2. Carlos Rueda
 - a. Dial now [1.9.2](#), with various adjustments and fixes, in particular, addressing performance issues while providing improved monitoring and inspection features.

Week 43

1. Kevin Barnard
 - a. Debugged issues in RTAB-Map database viewer graph optimization
 - b. Implemented functions to export SLAM graph link info and tweak link covariances by type in database viewer
 - c. Created plan for running SLAM on MOLA AUV
 - d. Began implementation of XFeat and LighterGlue into RTAB-Map SLAM visual odometry pipeline
2. Eric Martin
 - a. Prep work for 11/12 cruise
 - b. Assembled drawer parts, brought up the full sensor suite.

- c. Event camera support
 - d. End of year purchases.
- 3. Carlos Rueda
 - a. Dial: dependabot alerts addressed, and other various dependency updates

Week 42

- 1. Carlos Rueda
 - a. Resuming work on Dial. Met with Sebastián to review status and prioritize tasks.

Week 39

- 1. Eric Martin
 - a. Kicking off many Q3/Q4 projects.
- 2. Carlos Rueda
 - a. Group meeting

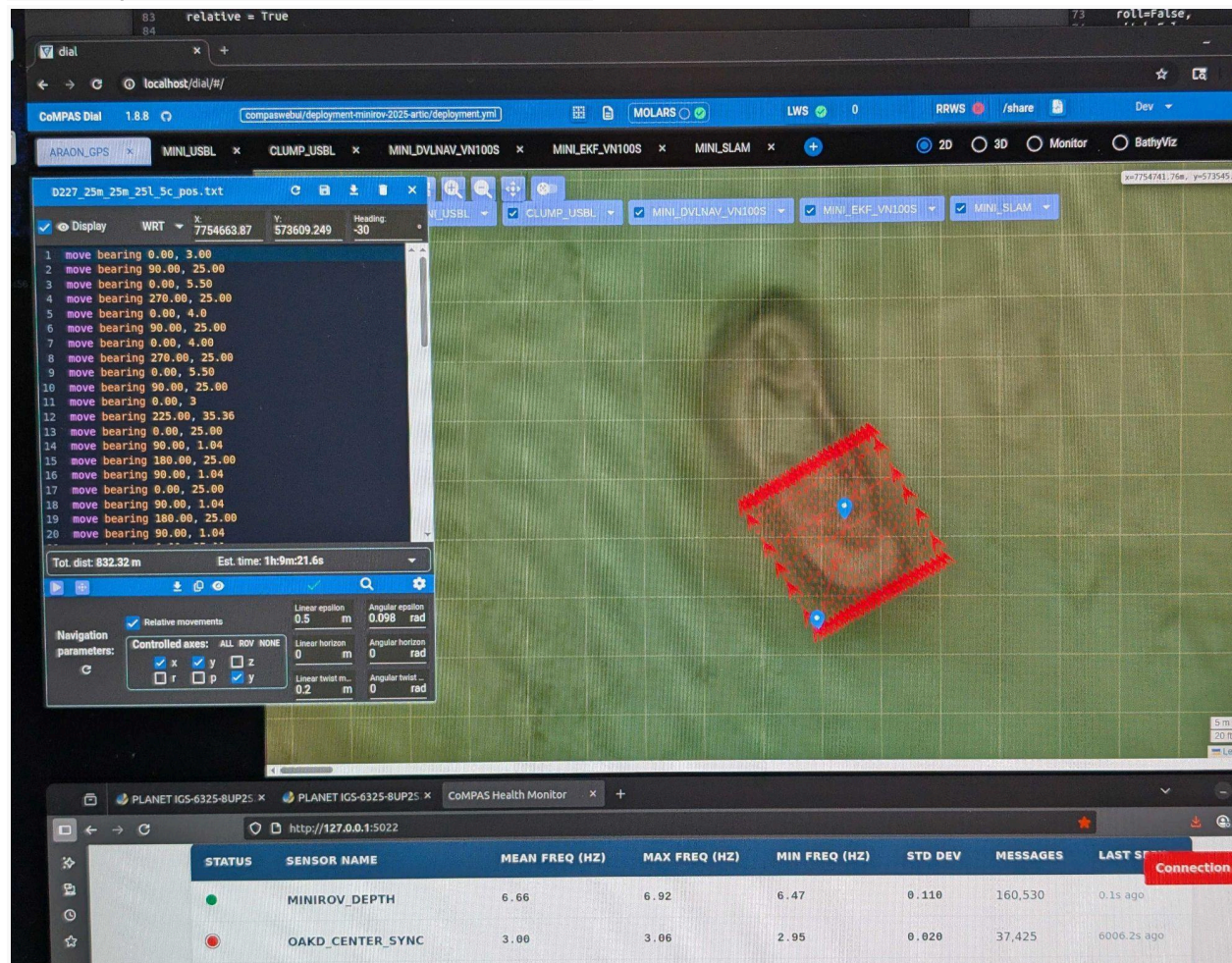
Week 37

- 1. Eric Martin
 - a. Phase II feedback last week.

Week 36

- 1. Carlos Rueda
 - a. Dial now [1.8.8](#) with enhancements in the ScriptGoal dialog, which Giancarlo has already installed and will be exercising in the Arctic expedition. He says, "Dial is getting very popular up here with scientists seeing some of the capabilities and with good suggestions to keep improving it. It also has been fundamental

for our operations.” He sent this screenshot.



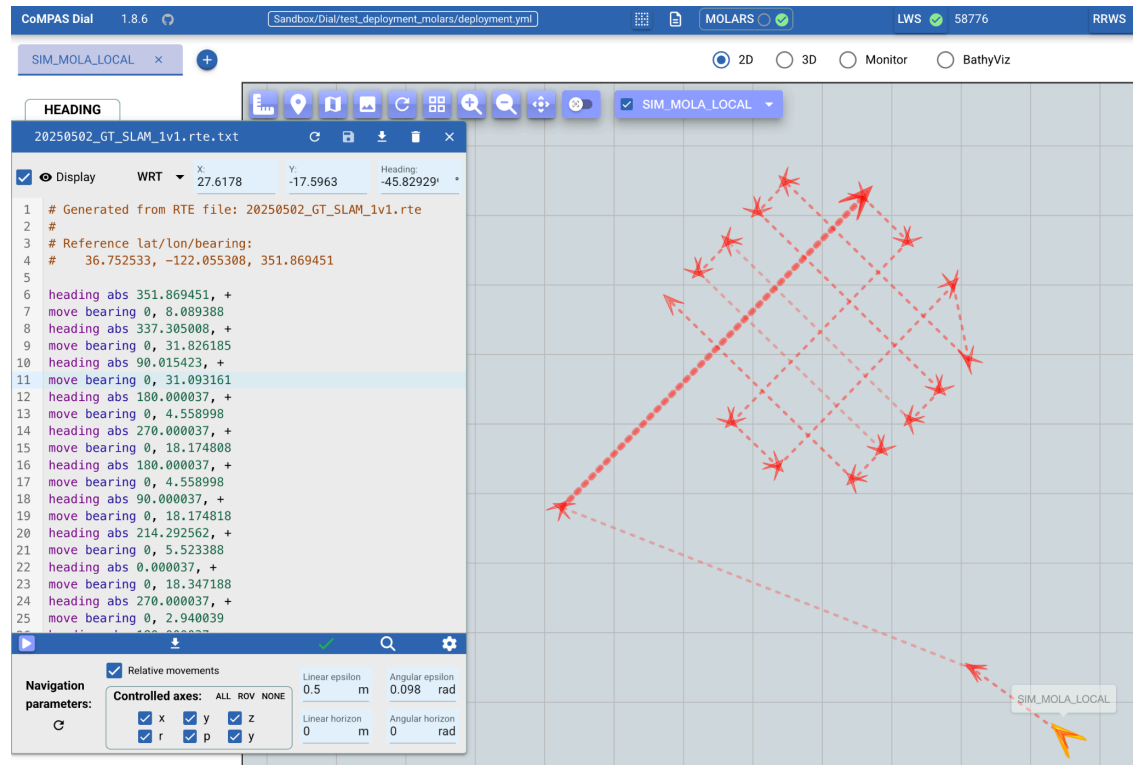
Week 33

1. Eric Martin
 - a. Arctic Prep
2. Carlos Rueda
 - a. Dial [1.8.74](#).
 - b. Set up and tested Dial on Atuncita in preparation for the Arctic.

Week 31

1. Carlos Rueda

- a. Dial: Implementing ingestion of (MB-System) RTE files by conversion to the SG format for mission planning purposes.



Week 30

1. Johann Voigtlander
 - a. Blueboat heave test completed

Week 29

1. Eric Martin
 - a. Blueboat heave testing
 - b. Data analysis
2. Carlos Rueda
 - a. Sprint review/kickoff meetings. Focus on tasks for Arctic expedition (Aug-Sep)

Week 28

1. Eric Martin
 - a. Proposal Writing

Week 27

1. Eric Martin
 - a. Proposal writing

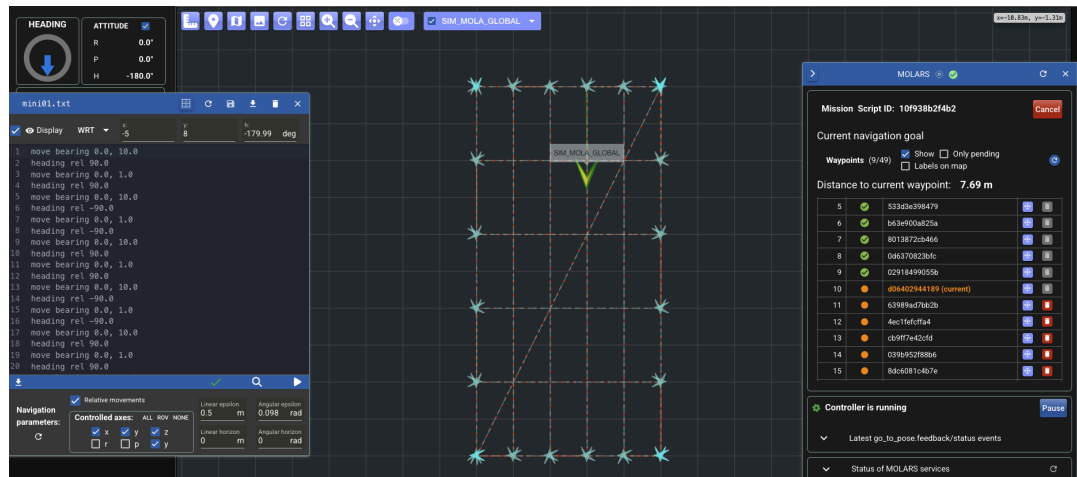
- b. Went offshore this week

Week 26

1. Kent Headley
 - a. updated oculus sonar GUI and mb1stream for upcoming cruise

Week 25

1. Carlos Rueda
 - a. Dial is now [1.8.2](#), with a key fix in the display of planned missions so it now aligns with the subsequent actual rendering based on notifications from the MOLARS backend.



- b. Meetings.

Week 24

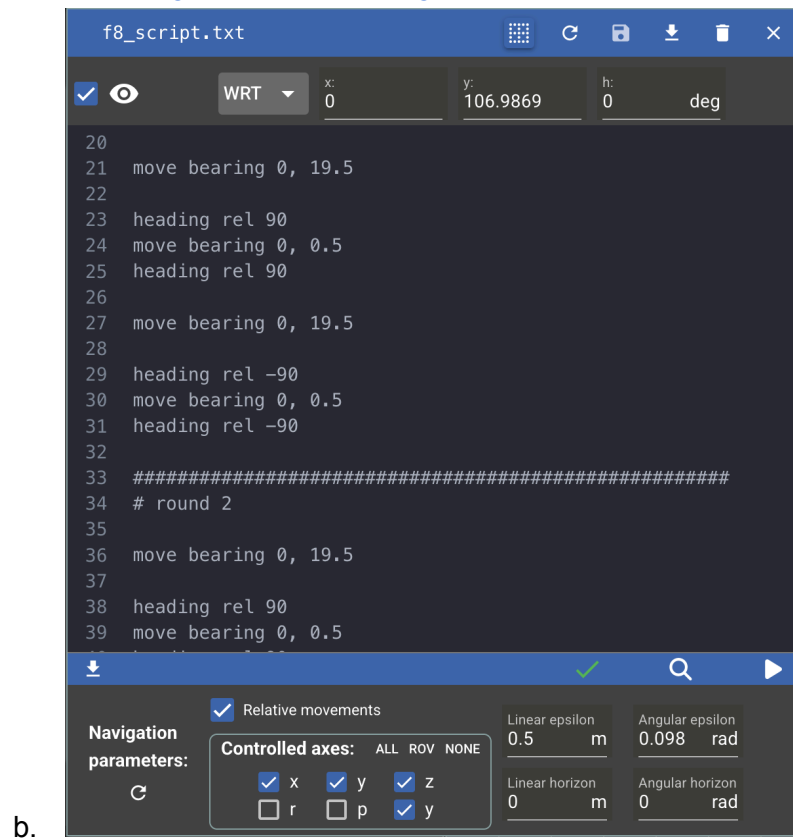
1. Eric Martin
 - a. Final checkout of POECan2
 - b. Cable assembly and Test
 - c. Laser work with Denis
 - d. 3D sonar checkout and test
 - e.

Week 20

1. Eric Martin
 - a.
2. Carlos Rueda
 - a. While doing Dial dev, discovered and reported a mission script parsing issue in MOLARS.

Week 19

1. Eric Martin
 - a. Arctic shipment packed.
2. Carlos Rueda
 - a. Dial: Several significant enhancements in the last couple of weeks have been implemented. Latest version is 1.8.02, see <https://docs.mbari.org/internal/dial/changes/>.



Week 16

1. Eric Martin
 - a. Arctic packing, prep

Week 13

1. Eric Martin
 - a. MiniROV Van computer installation
 - b.
2. Carlos Rueda
 - a. Dial development. Thanks Kevin B. for a fix to the quaternion-to-yaw conversion.
 - b. Met with Sebastián to delineate some tasks. Then, some more reprioritization.

Week 12

1. Eric Martin
 - a. Arctic prep
2. Carlos Rueda
 - a. Investigating the issue of RRWS service getting terminated apparently as soon as images are received from LWS. This regression has turned out to be tricky. I've added improved logging and reconnection logic but the issue remains.

Week 11

1. Eric Martin
 - a. MiniROV Arctic prep
 - b. Dial upgrades meeting

Week 10

1. Carlos Rueda
 - a. Demoed Dial in meeting about Arctic expedition organized by Giancarlo. It went very well and we got some good feedback.
 - b. Working on upgrading Rerun for Dial. So far not as straightforward due to incompatible changes and other subtle issues involving Vite and the webassembly version of the rerun library.

Week 8

1. Carlos Rueda
 - a. Dial maintenance—a significant [quasar/vite upgrade](#) (always good to keep dependencies up-to-date, this upgrade in particular mainly triggered by dependabot notifications.)

Week 4

1. Carlos Rueda
 - a. Brief meeting with GT in preparation to prioritize tasks.

Week 3

1. Eric Martin
 - a. Offshore with the team finalizing the configuration for the MiniROV payload for the arctic. We have been able to accommodate all of the lab's sensors alongside the benthic payload.
2. Carlos Rueda
 - a. Group meeting

Week 2

1. Eric Martin
 - a. Preparing the mini for offshore work next week.
 - b. Calibrations