

902102 - Multi-LRAUV Simulation Environment

Week 50

1. Brian Kieft
 - a. Quick sim test for LCM compatibility

Week 49

1. Brian Kieft
 - a. Went over correct procedure for internal users and tested on multiple machines. Quinn updated the readme to match actuals
 - b. Fixed LCM networking issue on conduit in lab to enable TRN data to be ingested into GZ sim.

Week 48

1. Brian Kieft
 - a. Helping with gazebo sim support for Rock/TRN

Week 29

1. Brian Kieft
 - a. Sim is broken. Fixed netcdf file wget issue but need to deal with gazebo plugin path issue on the docker side now.

Week 22

1. Brian Kieft
 - a. Working on water currents and docking sim with Rob

Week 18

1. Brian Kieft
 - a. Got the sim back up and running on the lab machine. Met with Martin Ludvigsen of NTNU to discuss a sim presentation

Week 9

1. Brian Kieft
 - a. Got simulator computer talking with backseat computer and LCM running demonstrated by joystick control in the sim with real hardware in the loop.
 - b. Got TRN ingest going on the backseat computer from the sim. Next step is ingesting the estimated positions from the backseat to the application and using them to navigate.

Week 8

1. Brian Kieft
 - a. Simulated the automation of docker push. Will add to daily build scripts

Week 7

1. Brian Kieft

- a. Push to docker worked thanks to Ivan. Planning to automate this task as part of our nightly build scripts.
- b. Worked with Ivan to get BSC driving the vehicle around. Now to add range/bearing ingest.

Week 6

1. Brian Kieft
 - a. Push to new repo at mbari successfully done. Now investigating how to automate.
 - b. Dealing with OSRF overruns from 2021

Week 4

1. Brian Kieft
 - a. Dealing with budget overruns with accounting

Week 2

1. Brian Kieft
 - a. Simulation fix on local omen machine
 - b. Further missions commands have been rolled out to test. Made doc to capture end user input.