

902101 - LRAUV Docking

Week 10

1. Rob McEwen
 - a. Added Dvl Scale factor error (%DT) to the simulation. This approximates the data the best so far.
 - b. Prepared presentation.

Week 9

1. Rob McEwen
 - a. Upgraded simulated DAT delay code to a delay queue.
 - b. Simulated various delay durations.
 - c. Results are promising, but still not a close match to the data.
 - d. Will try adding navigation error next.

Week 8

1. Rob McEwen
 - a. Tested DAT range and bearing error in the Simulator
 - b. Tested DAT delay similarly.
 - c. So far I haven't qualitatively matched sim data to real data.

Week 7

1. Rob McEwen
 - a. Finished code that sends the vehicle in the down-current direction under power if it doesn't drift far enough after a docking attempt.
 - b. Also now log the heading control PID gains. They can change during flight.
 - c. Issued a PR.