

708167 - WEC Dynamics and Control

Week 49

1. Eric Martin
 - a. Assembling archival data set.

Week 24

1. Eric Martin
 - a. Meeting last week, working with Rob on trying to find a good set of settings

Week 21

1. Eric Martin
 - a. Working with rob.
 - b. Data issues last week, the system seems rather stable despite.

Week 17

1. Eric Martin
 - a. Initial radar tests good, Rob McEwen is processing, auto gain is clearly needed.

Week 16

1. Rich Henthorn
 - a. Successful 1st deployment of 2022 Monday
 - b. Minor modifications
 - c. Crossbow AHRS calibration

Week 15

1. Rich Henthorn
 - a. Tested different controller boot failure scenarios
 - b. Made a couple changes to address unhandled failures

Week 14

1. Rich Henthorn
 - a. Met with folks from Open Robotics to discuss grant work
2. Eric Martin
 - a. Radar in final stages of roof testing, supporting collaborators at JHU.

Week 13

1. Eric Martin
 - a. Radar driver testing on raspberry pi.
 - b. Working with Rob to verify hdf5 files.

Week 9

1. Rich Henthorn

- a. Installed USB-RS232 adapter on the new controller

Week 8

1. Eric Martin
 - a. Radar arrived and mounted on the roof of building B for testing and software development.
2. Rob McEwen
 - a. Tested Nav440 Ahrs magnetic calibration procedure.
 - b. Reworked Matlab code to read Eric's new data format generated by the buoy.

Week 7

1. Rich Henthorn
 - a. Installed and built current command application on RPi controller
 - b. Updating and verifying repo

Week 6

1. Rob McEwen
 - a. Will try better color scaling on the radar plots to see if we can make the wave crests more evident (Andy).
 - b. Will try to look at scans taken on wavetops to see if the data is better and also how far until the next wave (Andy).

Week 4

1. Rob McEwen
 - a. Got a first version of Matlab wave-crest prediction code working with Eric's interface.
 - b. Starting to look through the voluminous radar data. So far I can't find any useable data.
 - c. Paragon data was much better. Will try to determine why.

Week 3

1. Rob McEwen
 - a. Reworking Matlab code to read Eric's new data format.
 - b. Starting on Ahrs mounting and magnetic calibration.

Week 2

1. Rob McEwen
 - a. Reworking Matlab code to read in Eric M's radar data format.