Extract all the topics of interest from ROSBAG

% requirements -
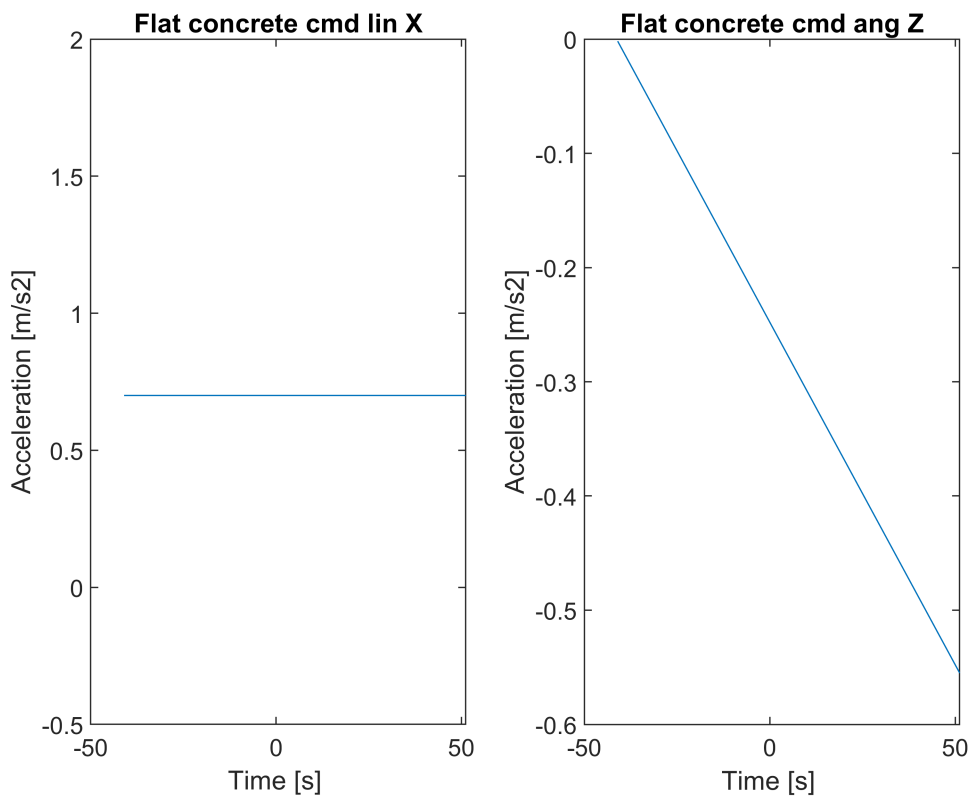
ROS toolbox

Mapping toolbox
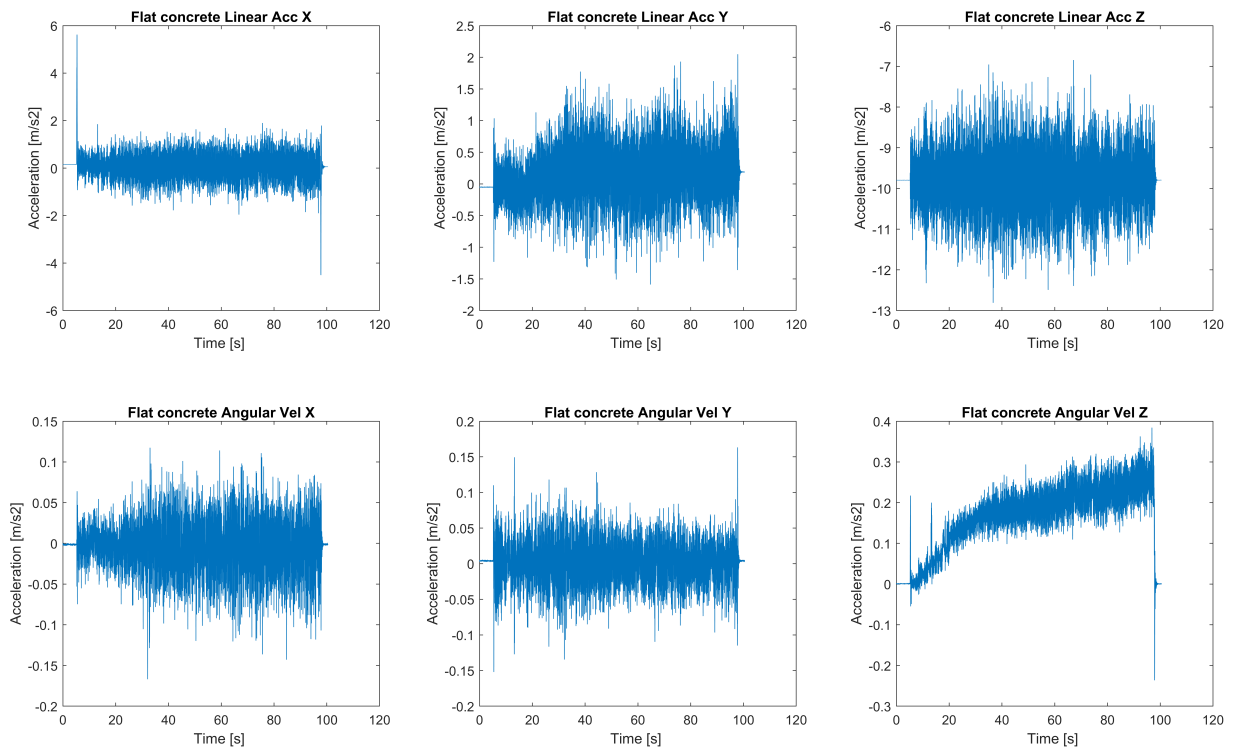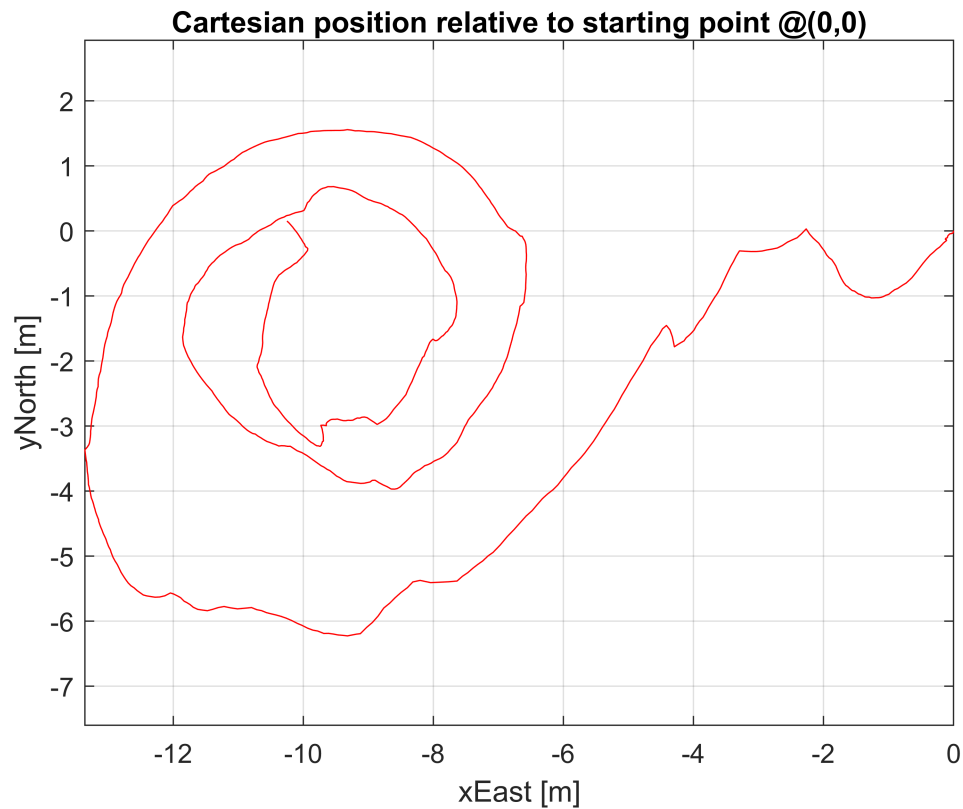
rosbagReader.m script in same location as this file
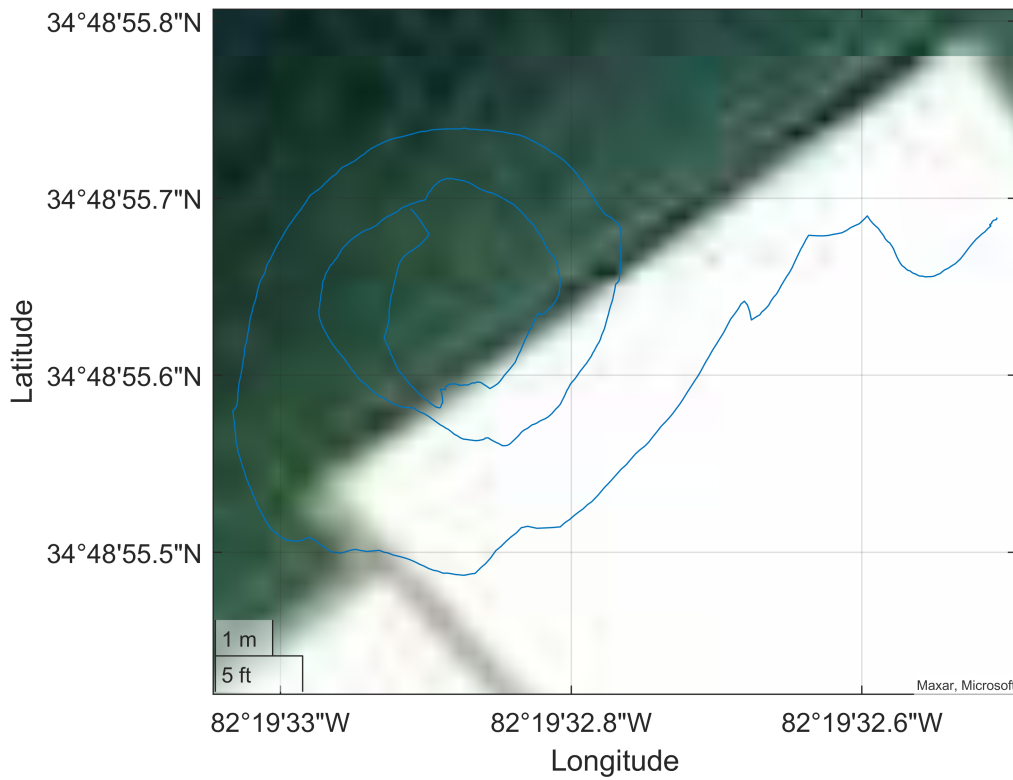
INPUT : Command Velocity

Realized IMU Data

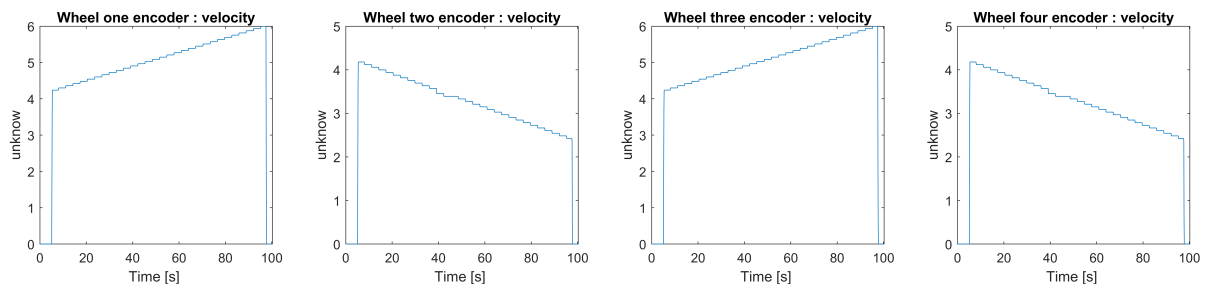# Convert the GPS data to ENU-Carthesian coordinate frame

Lat long GPS

Wheel Encoder data processing

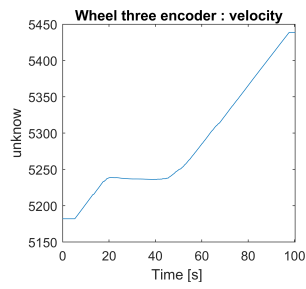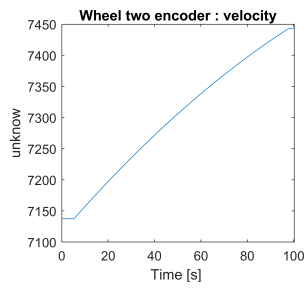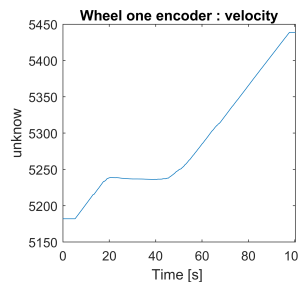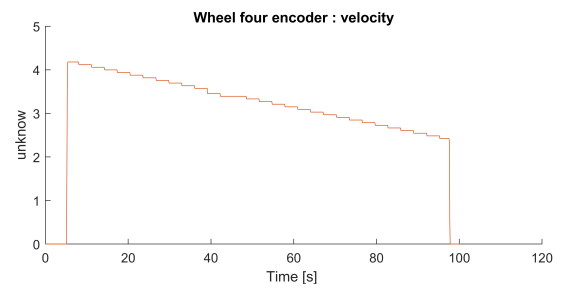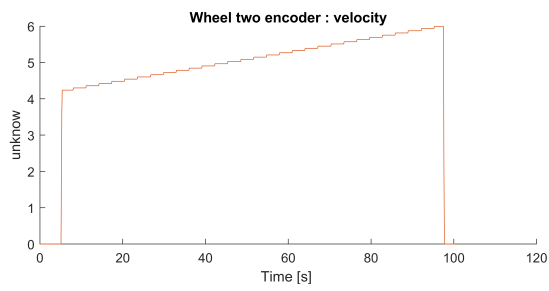Two wheels on the same side are expected to have similar wheel velocites. Overlaying all the values on top of each other will help us identify those wheels

Wheel two encoder : velocity

Wheel four encoder : velocity

Wheel one encoder : velocity

Wheel two encoder : velocity

Wheel three encoder : velocity

Wheel four encoder : velocity
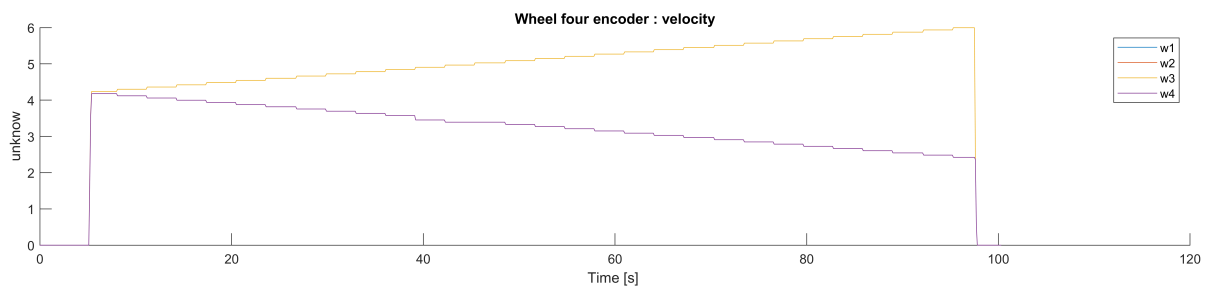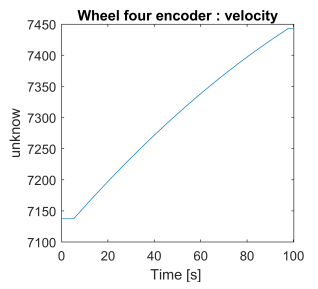
Difference in the left wheel encoder values

Difference in the right wheel encoder values

4