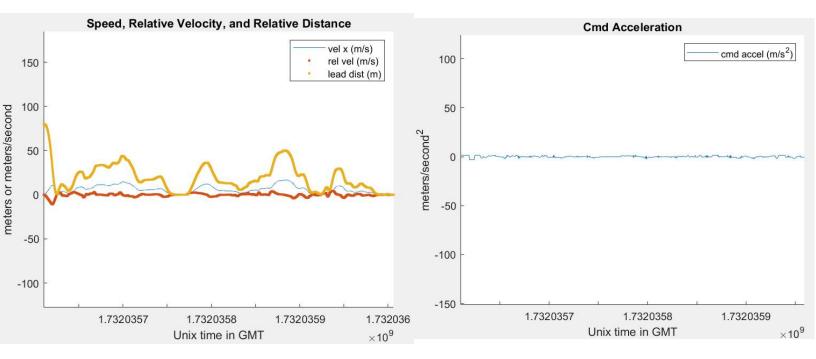
## Simulation 1

Sample data: Data from the CPS VO for cs3891 bag file provided by profs

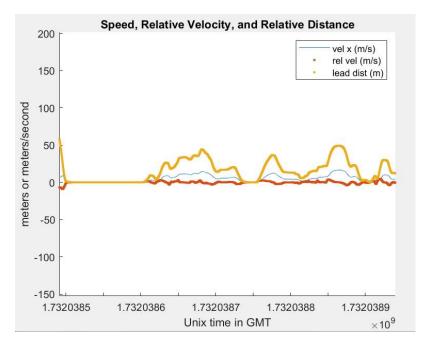
Sample start time: 100 Initial lead distance: 80 m Initial ego velocity: 0 m/s

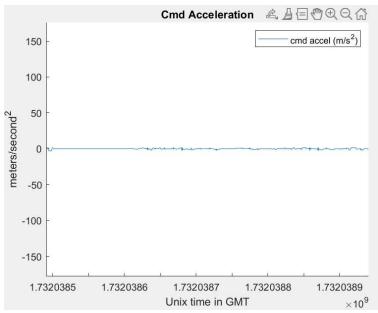


## Simulation 2

Sample data: Data from the CPS VO for cs3891 bagfile provided by profs

Sample start time: 0 Initial lead distance: 65m Initial ego velocity: 7 m/s

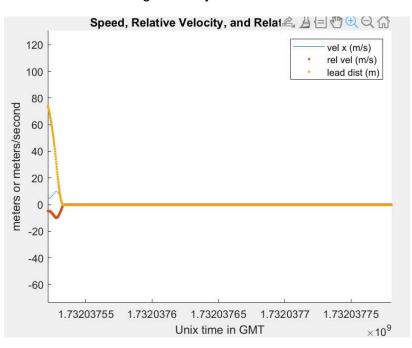


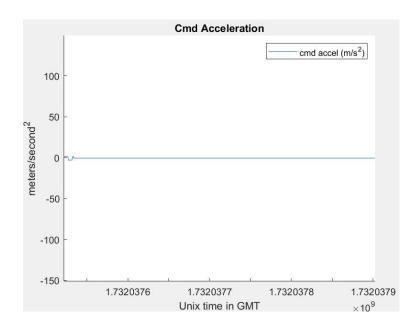


## Simulation 3

Sample data: Data from the CPS VO for cs3891 bagfile provided by profs

Sample start time: 2800 Initial lead distance: 80 m Initial ego velocity: 5 m/s

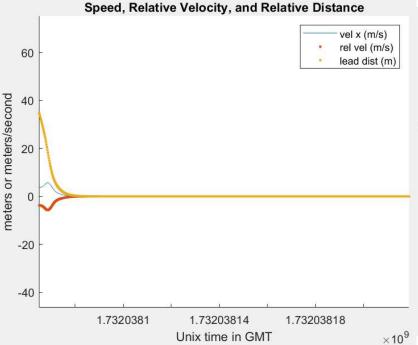


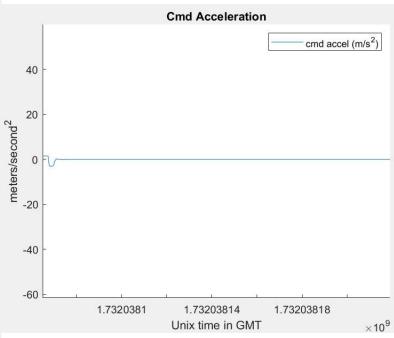


## Simulation 4

Sample data: Data from the CPS VO for cs3891 bagfile provided by profs

Sample start time: 8724 Initial lead distance: 40 m Initial ego velocity: 4 m/s





data: -2.0194839173657902e-28

data: -2.524354896707238e-28

data: -1.7670484276950664e-28

data: -5.048709793414476e-29

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data: 1.0097419586828951e-28

data: 1.0097419586828951e-28

data: 1.0097419586828951e-28

data: 1.0097419586828951e-28

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data: 1.0097419586828951e-28

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data: -1.0097419586828951e-28

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data: -1.262177448353619e-28

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data: 2.524354896707238e-29

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data: 2.524354896707238e-29

data: 2.524354896707238e-29