

Term2: Project1 - Extended Kalman Filters

1. Attached FusionEKF.cpp, kalman_filter.cpp and tools.cpp files.

The screenshot below shows the RMSE values when both Laser and Radar updates are used for predictions. The values are below the requirement of

[.11, .11, 0.52, 0.52].



Fig.1 Radar updates - ON, Laser updates - ON

2. I then turned off Laser updates(in the FusionEKF file) and used only Radar updates to see how it'd affect the RMSE values. See below screenshot.

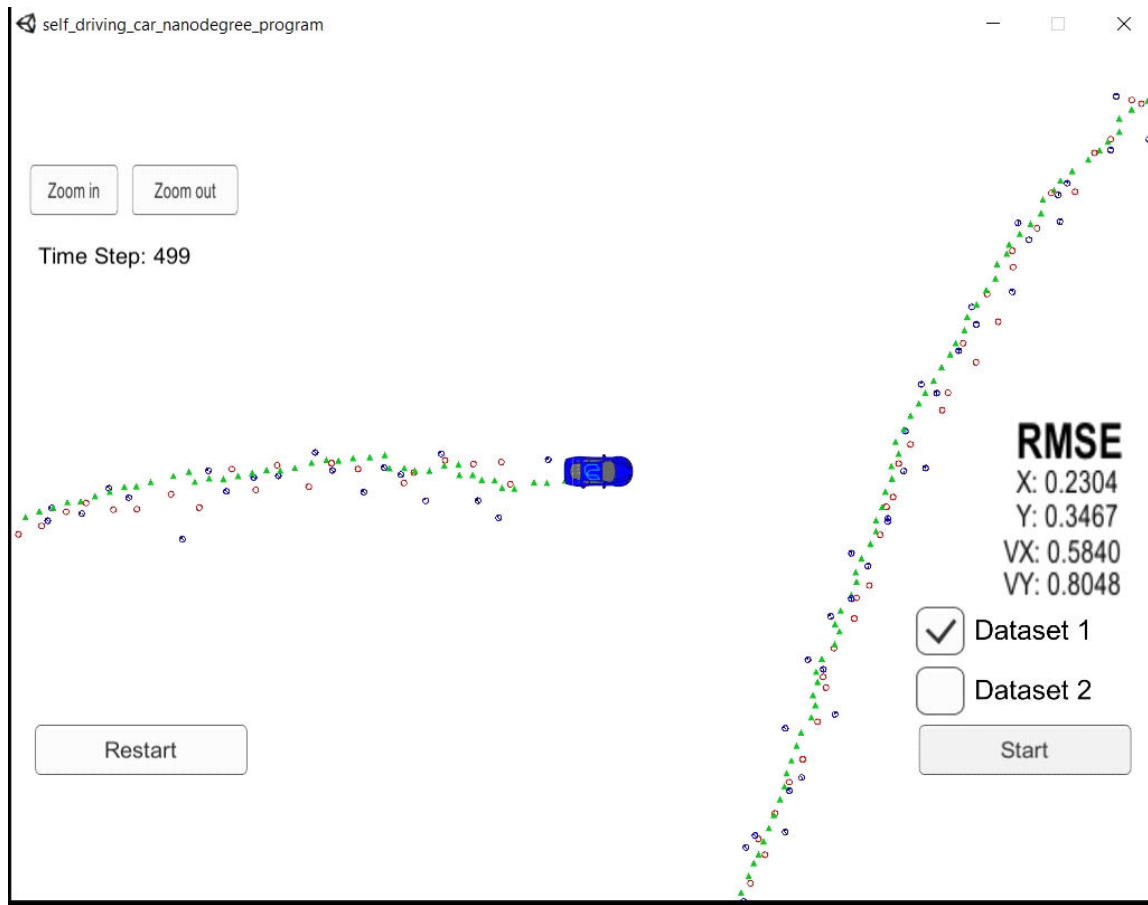


Fig.2 Radar updates - ON, Laser updates - OFF

3. Later turned off Radar updates(in the FusionEKF file) and used only Laser updates to see how it'd affect the RMSE values. See below screenshot.

