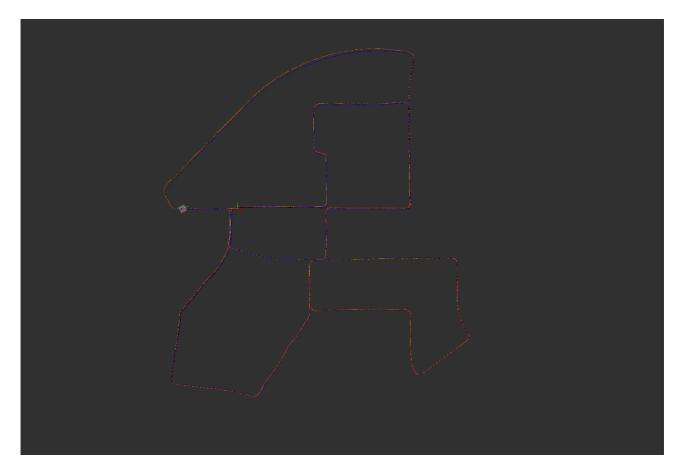
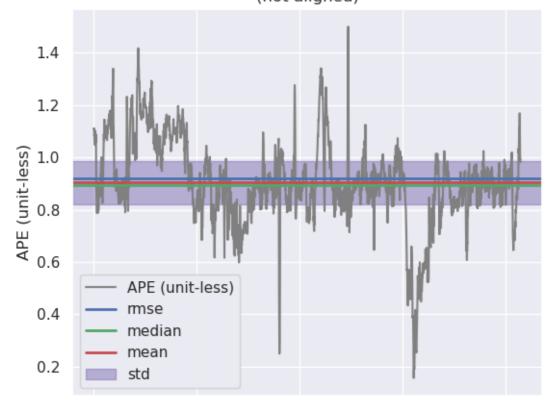
## 1、跑通模型

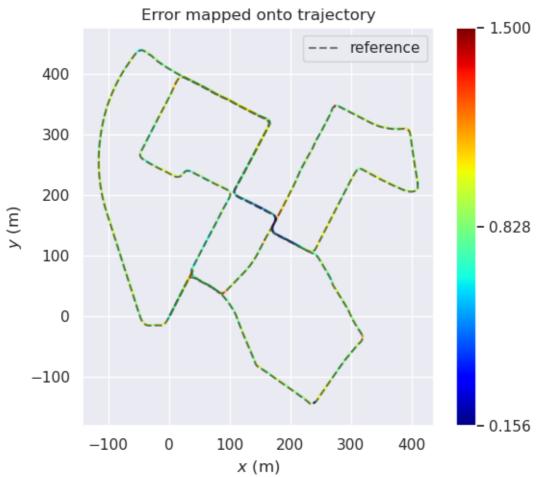
```
Eigen::Vector3d dp = pose_.block<3,1>(0,3) - T_nb.block<3,1>(0,3);
Eigen::Vector3d dv = pose_.block<3,3>(0,0).transpose()*vel_ - v_b;
                                                                                                            \delta \bar{\boldsymbol{p}}
Eigen::Matrix3d dR = T_nb.block<3,3>(0,0).transpose() * pose_.block<3,3>(0,0);
                                                                                                           \deltaar{m{v}}^b
                                                                                                           \delta \overline{\boldsymbol{\theta}}
Eigen::Vector3d dtheta = Sophus::S03d::vee(dR - Eigen::Matrix3d::Identity());
YPose_.block<3,1>(0,0) = dp;
YPose_.block<3,1>(3,0) = dv;
                                                                                         I_3 0
                                                                                                           \begin{bmatrix} 0 & 0 \end{bmatrix}
YPose_.block<3,1>(6,0) = dtheta;
Y = YPose_;
                                                                                         oldsymbol{0} oldsymbol{R}_{bw} oldsymbol{[oldsymbol{v}^b]_{	imes}} oldsymbol{0} oldsymbol{0}
GPose_.setZero();
                                                                                                           0 0
GPose_.block<3,3>(0, kIndexErrorPos) = Eigen::Matrix3d::Identity();
GPose_.block<3,3>(3, kIndexErrorVel) = pose_.block<3,3>(0,0).transpose();
GPose_.block<3,3>(3, kIndexErrorOri) = Sophus::S03d::hat(v_b);
GPose_.block<3,3>(6, kIndexErrorOri) = Eigen::Matrix3d::Identity();
G = GPose;
CPose_.setZero();
CPose _.block<3,3>(0,kIndexNoiseAccel) = Eigen::Matrix3d::Identity();
                                                                                                     I_3 0 0
CPose_.block<3,3>(3, kIndexNoiseGyro) = Eigen::Matrix3d::Identity();
                                                                                                     0 I_3 0
CPose_.block<3,3>(6,kIndexNoiseBiasAccel) = Eigen::Matrix3d::Identity();
                                                                                                     0 0 I_3
Eigen::MatrixXd C = CPose_;
```



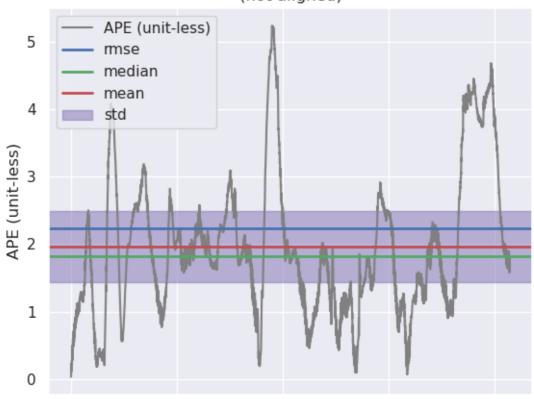
2、evo 评估

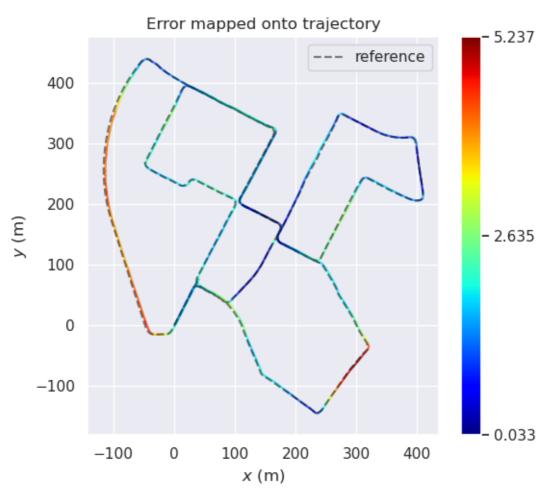
APE w.r.t. full transformation (unit-less) (not aligned)



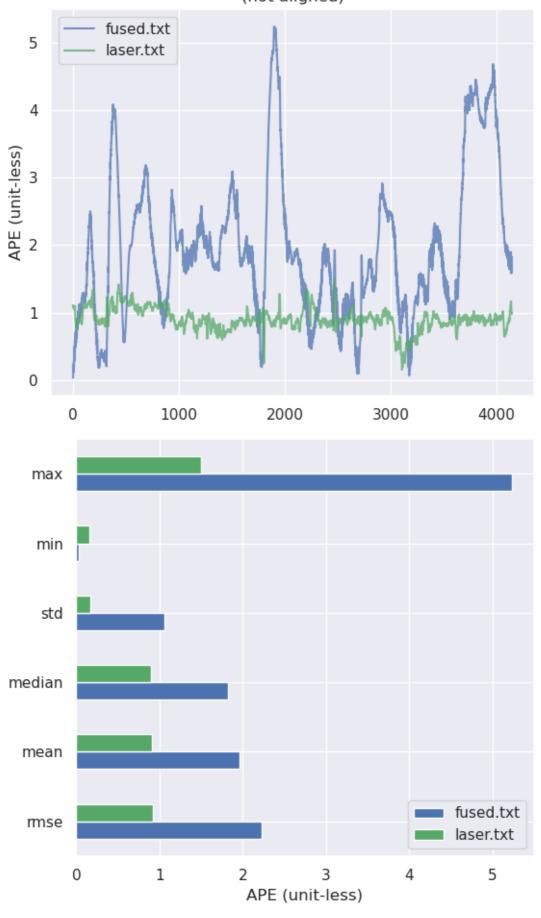


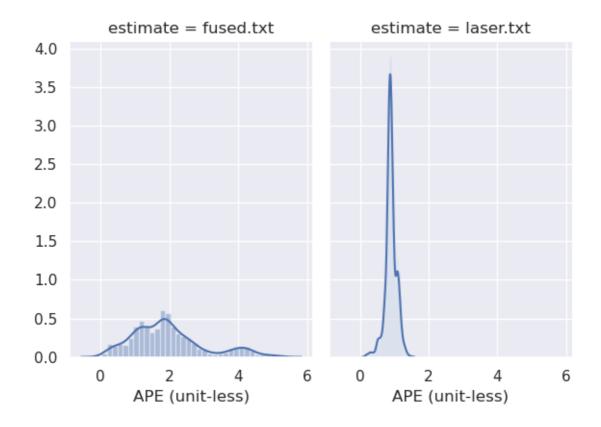
APE w.r.t. full transformation (unit-less) (not aligned)





APE w.r.t. full transformation (unit-less) (not aligned)





## 3、仿真数据 evo 评估

APE w.r.t. full transformation (unit-less) (not aligned)

