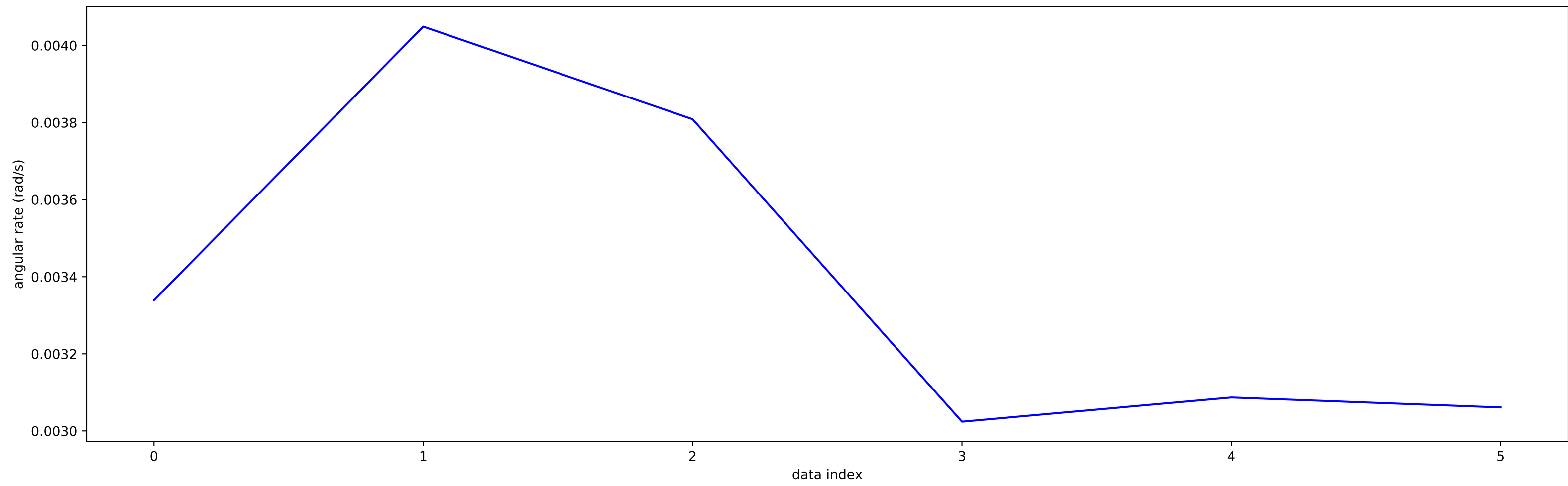
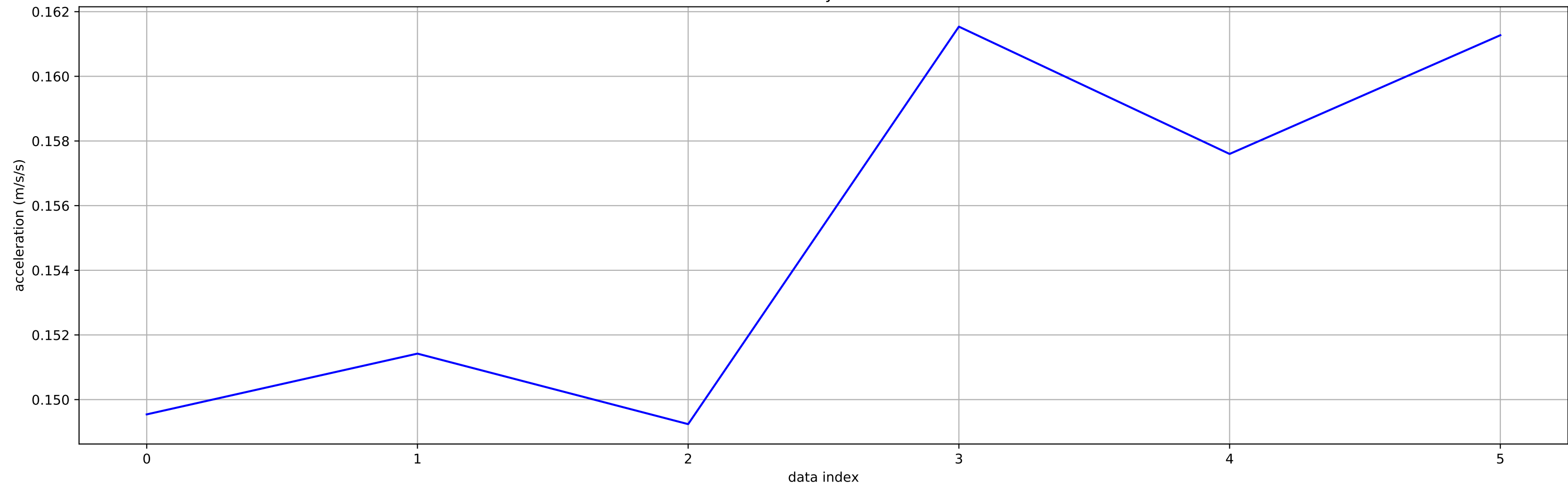
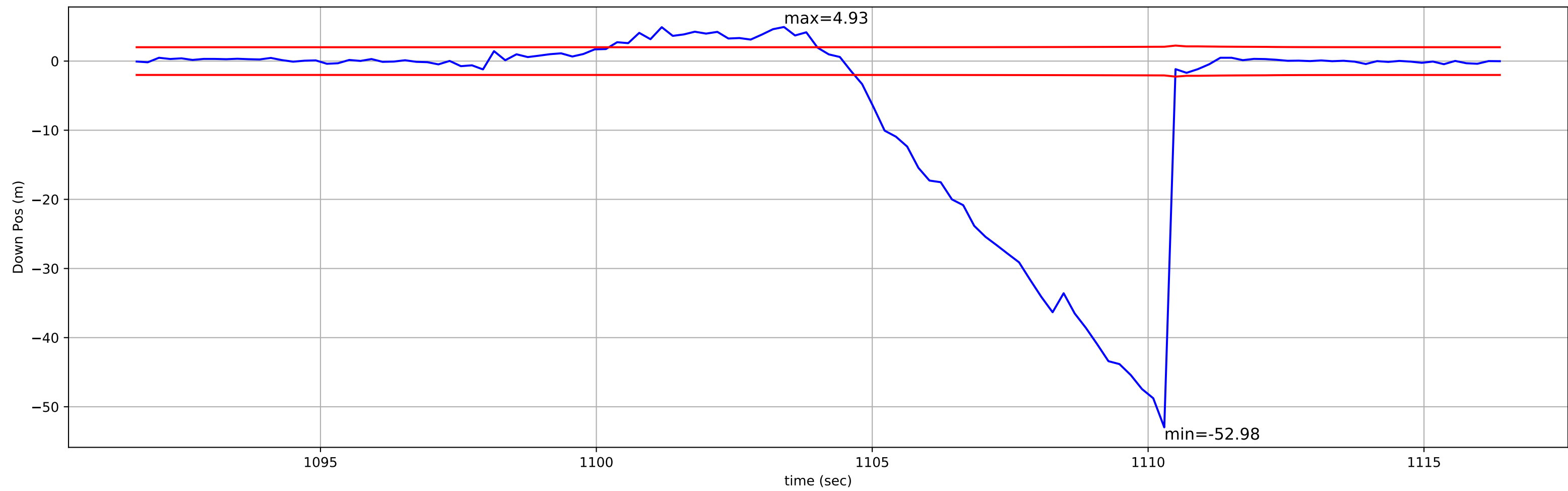
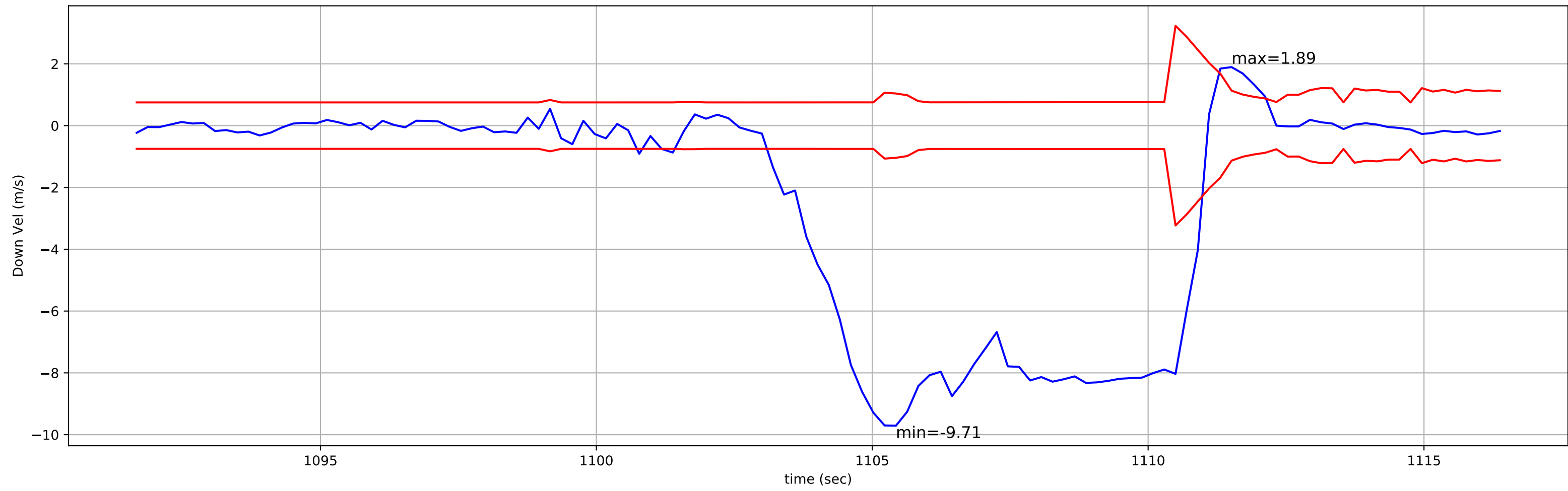


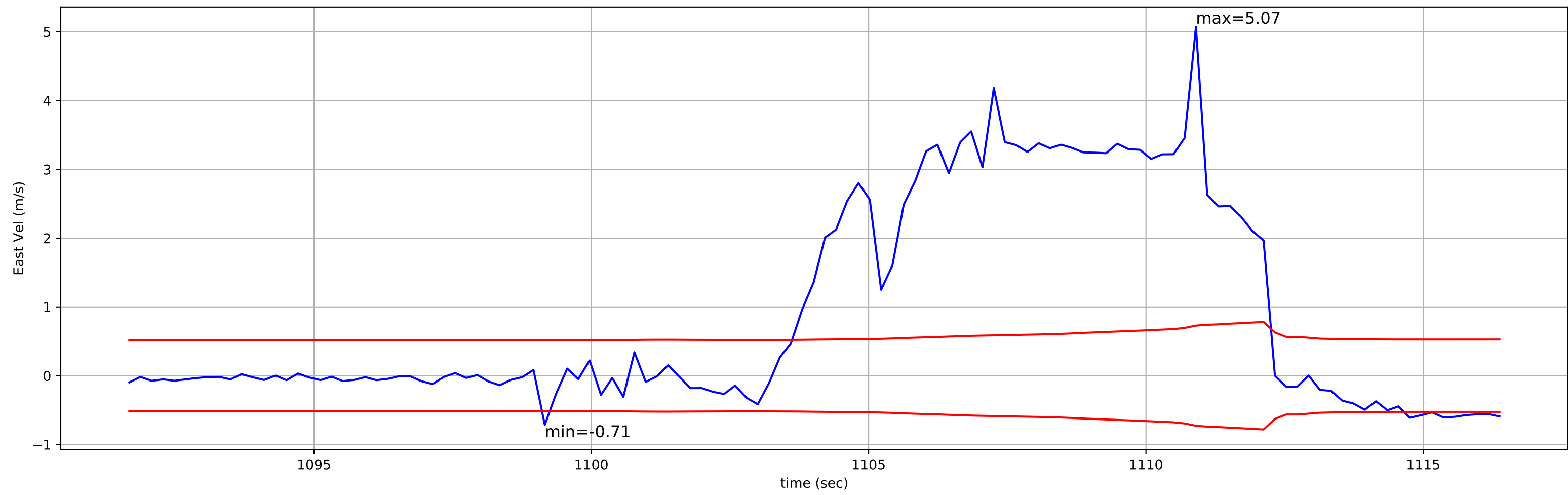
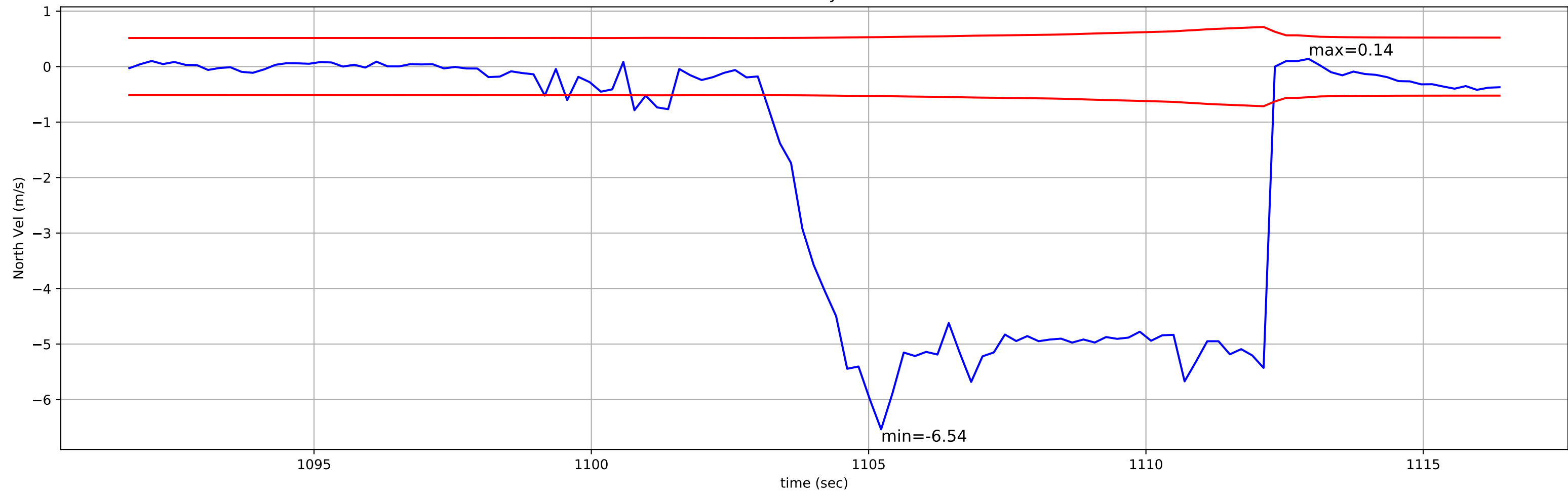
IMU Consistency Check Levels



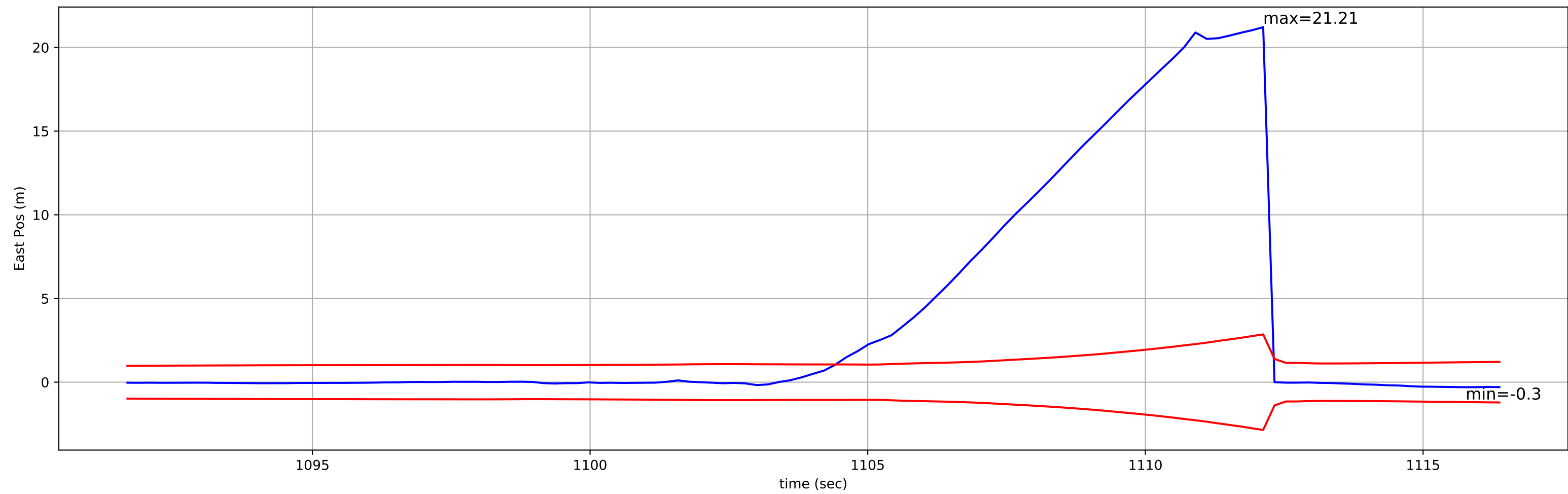
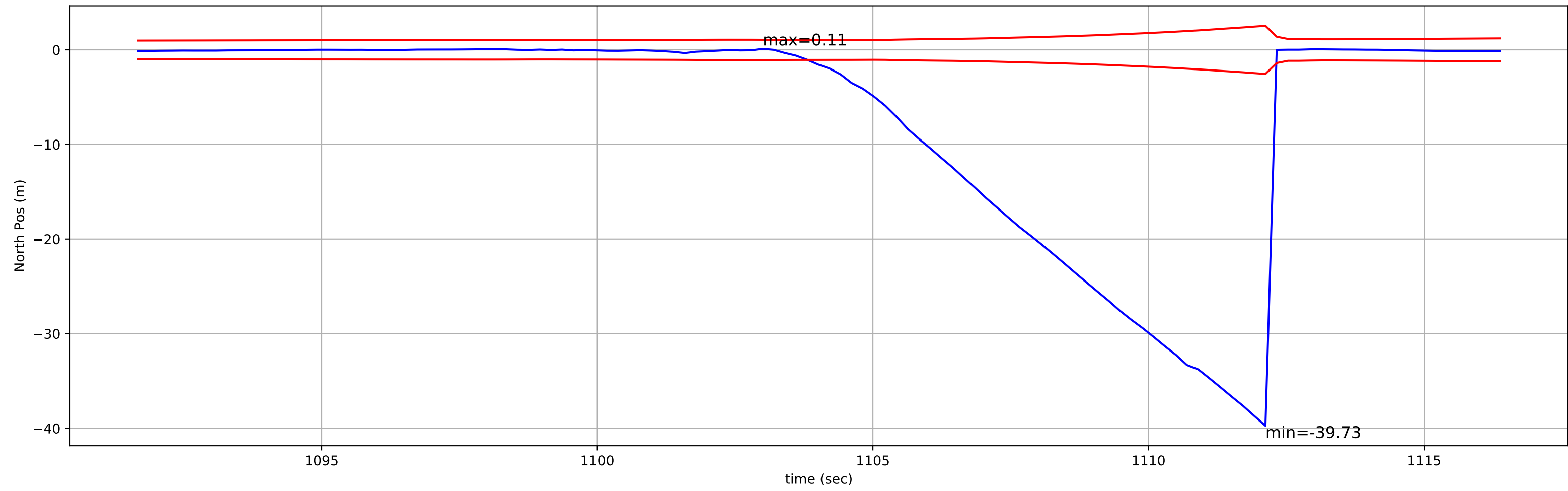
Vertical Innovations



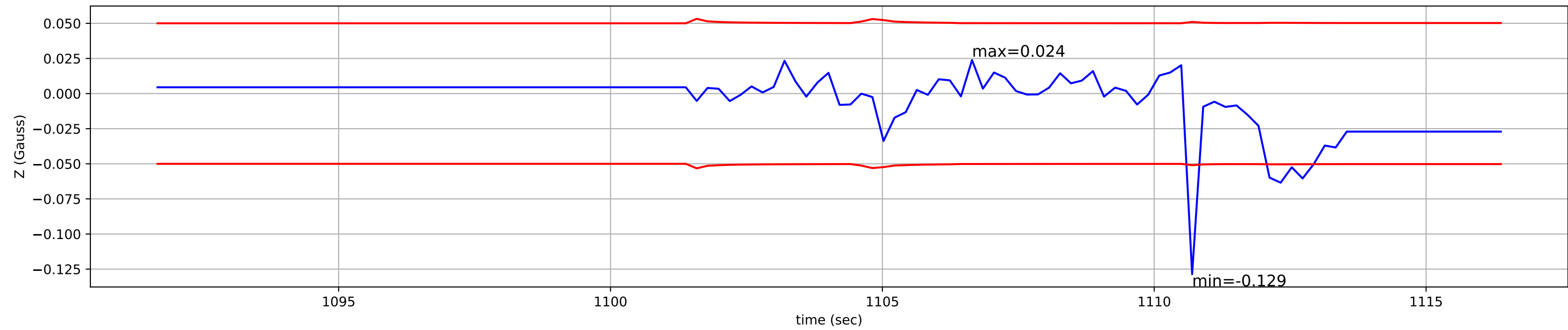
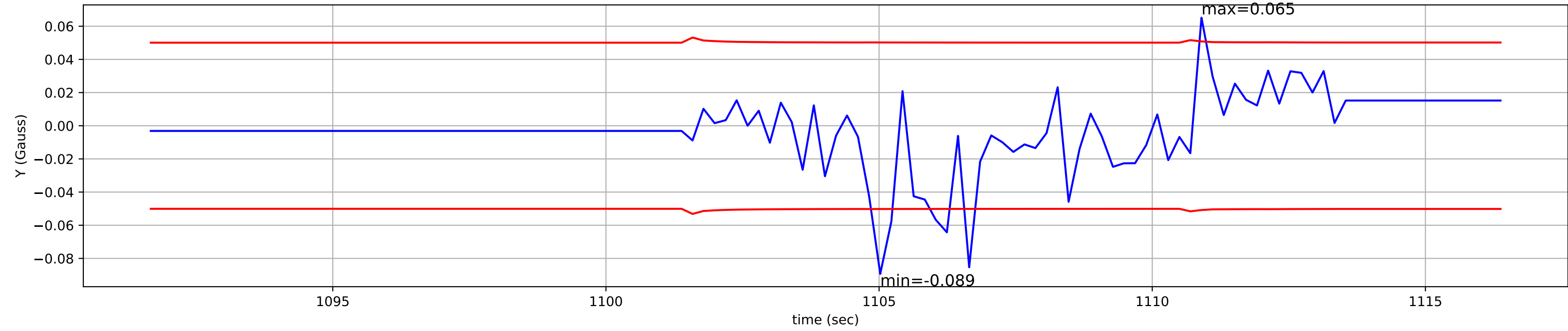
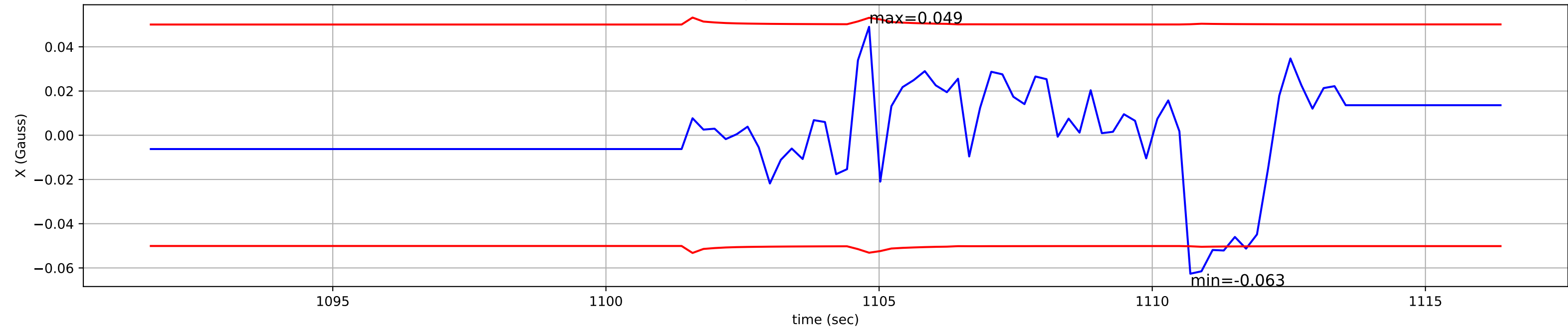
Horizontal Velocity Innovations



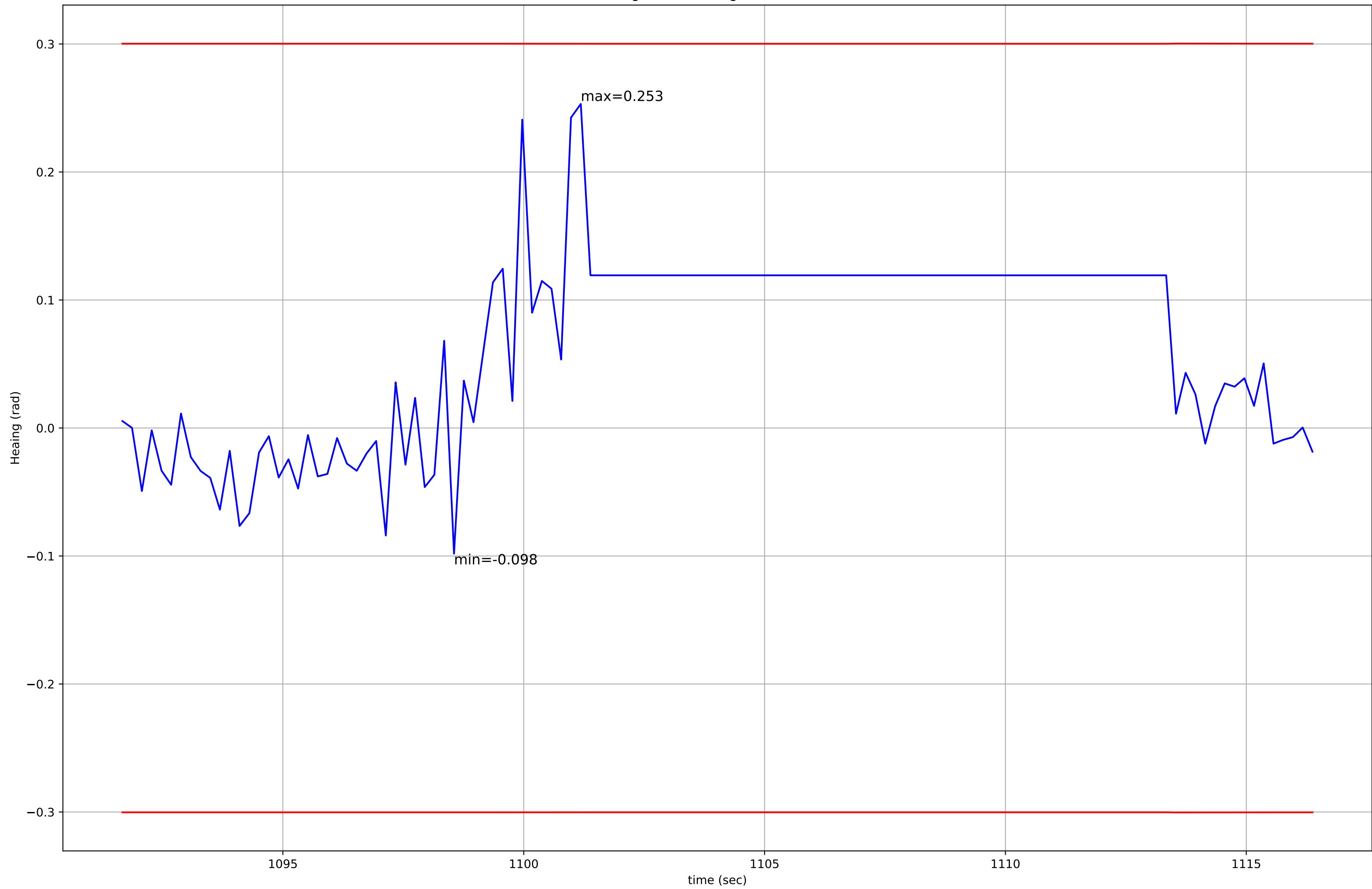
Horizontal Position Innovations



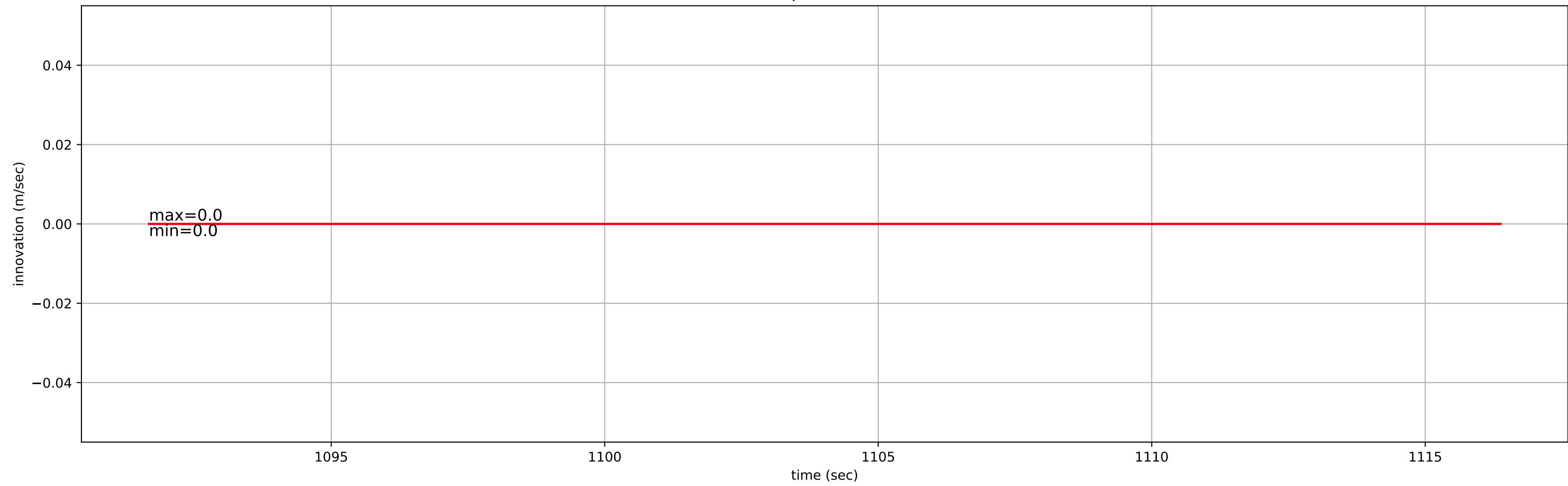
### Magnetometer Innovations



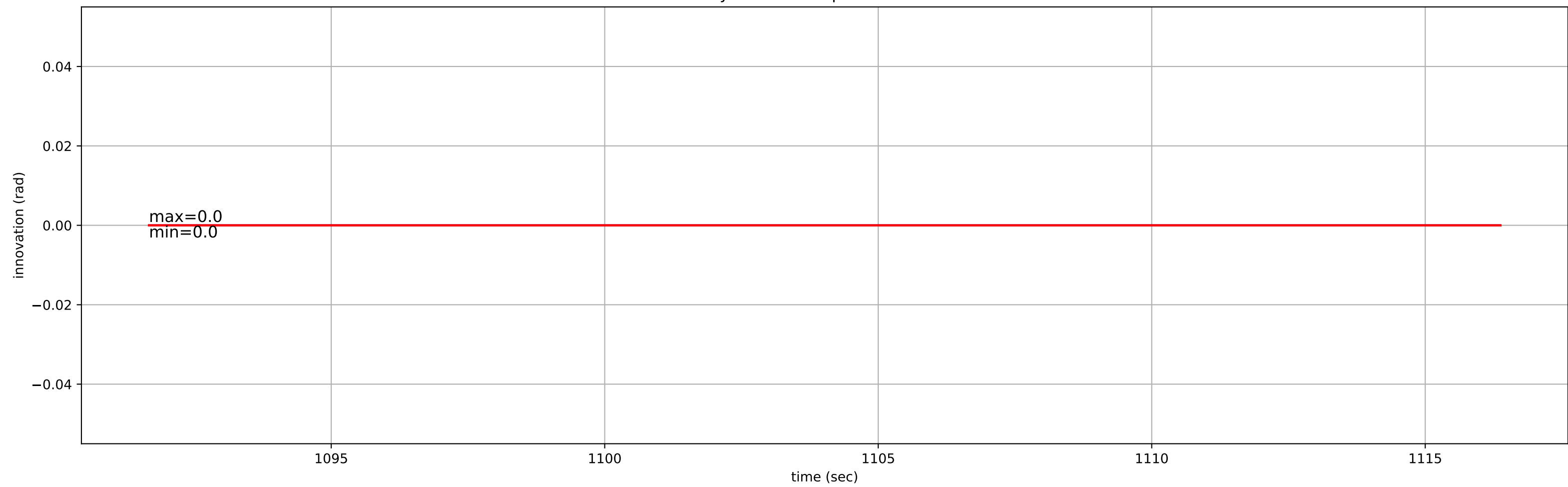
Magnetic Heading Innovations



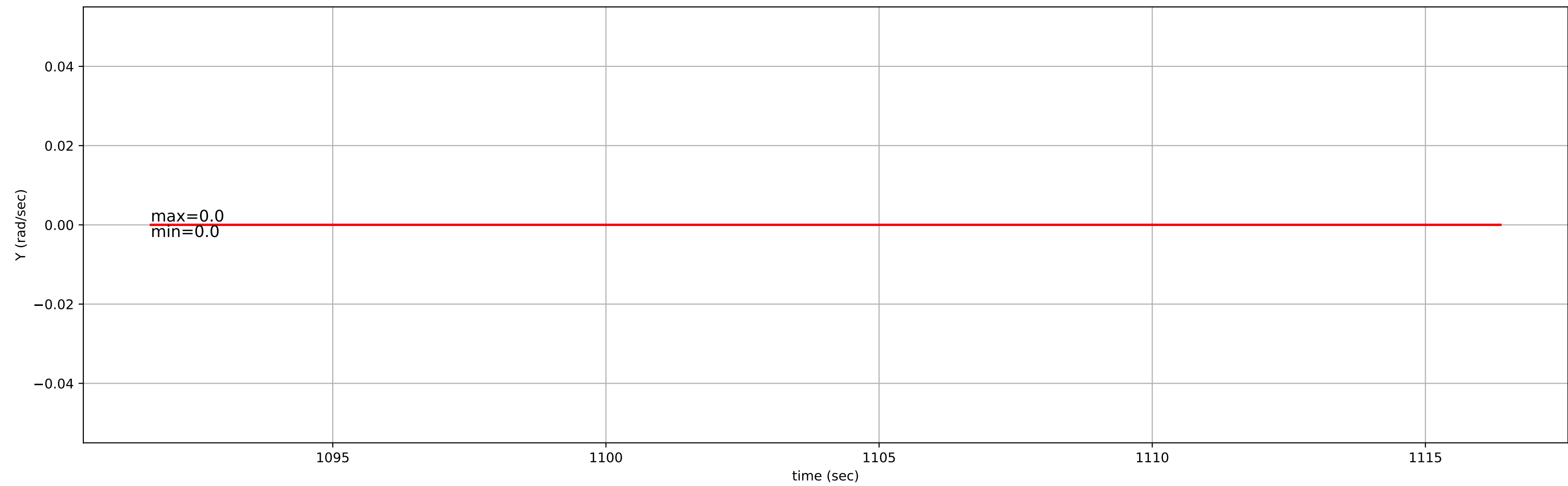
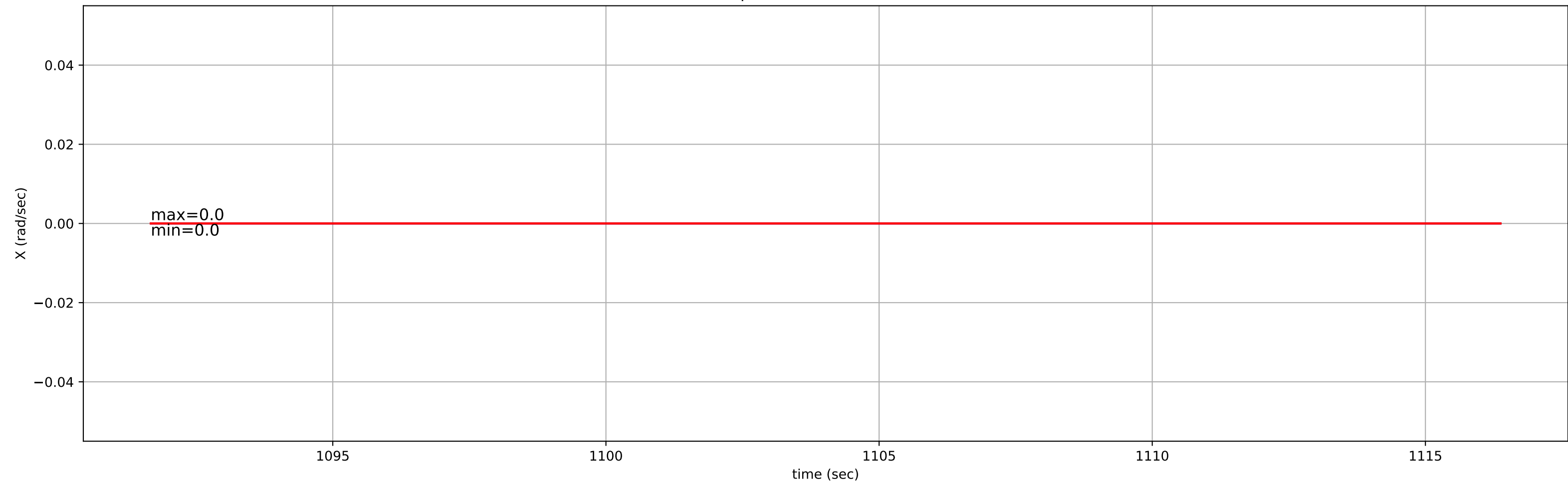
True Airspeed Innovations



Sythetic Sideslip Innovations

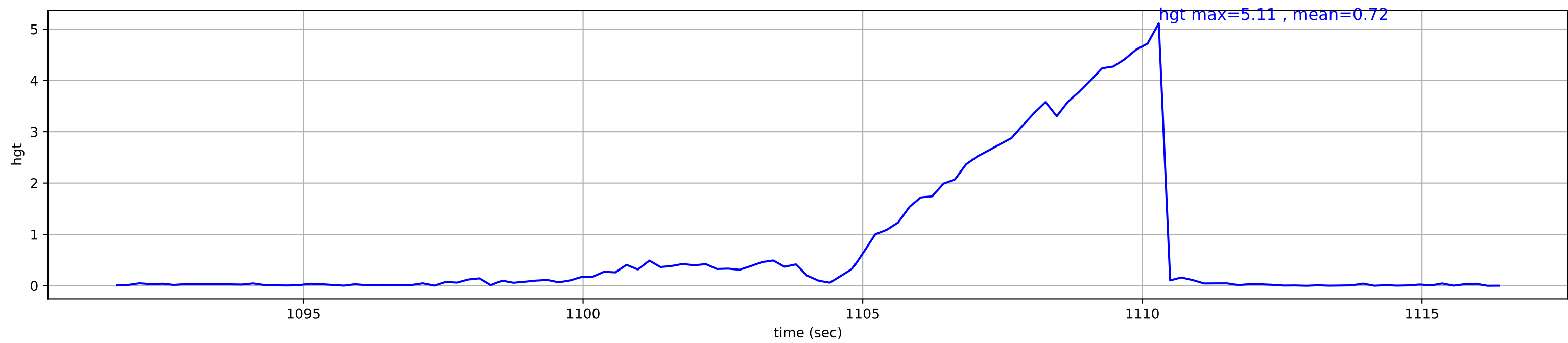
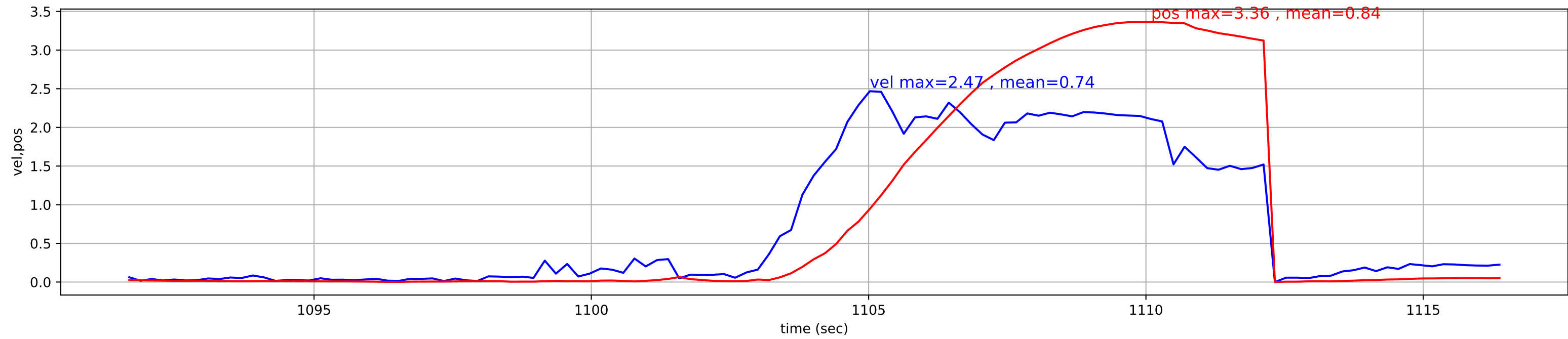
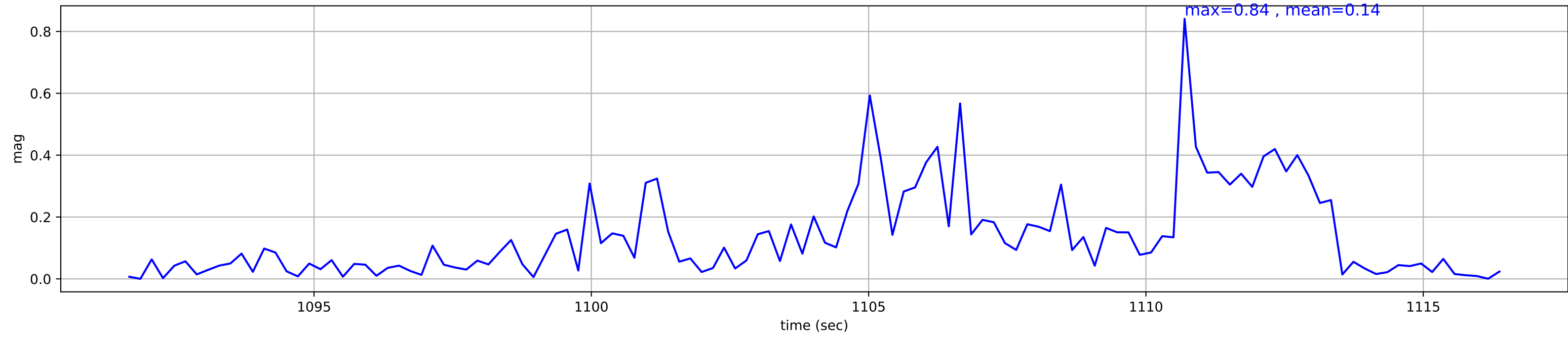


Optical Flow Innovations

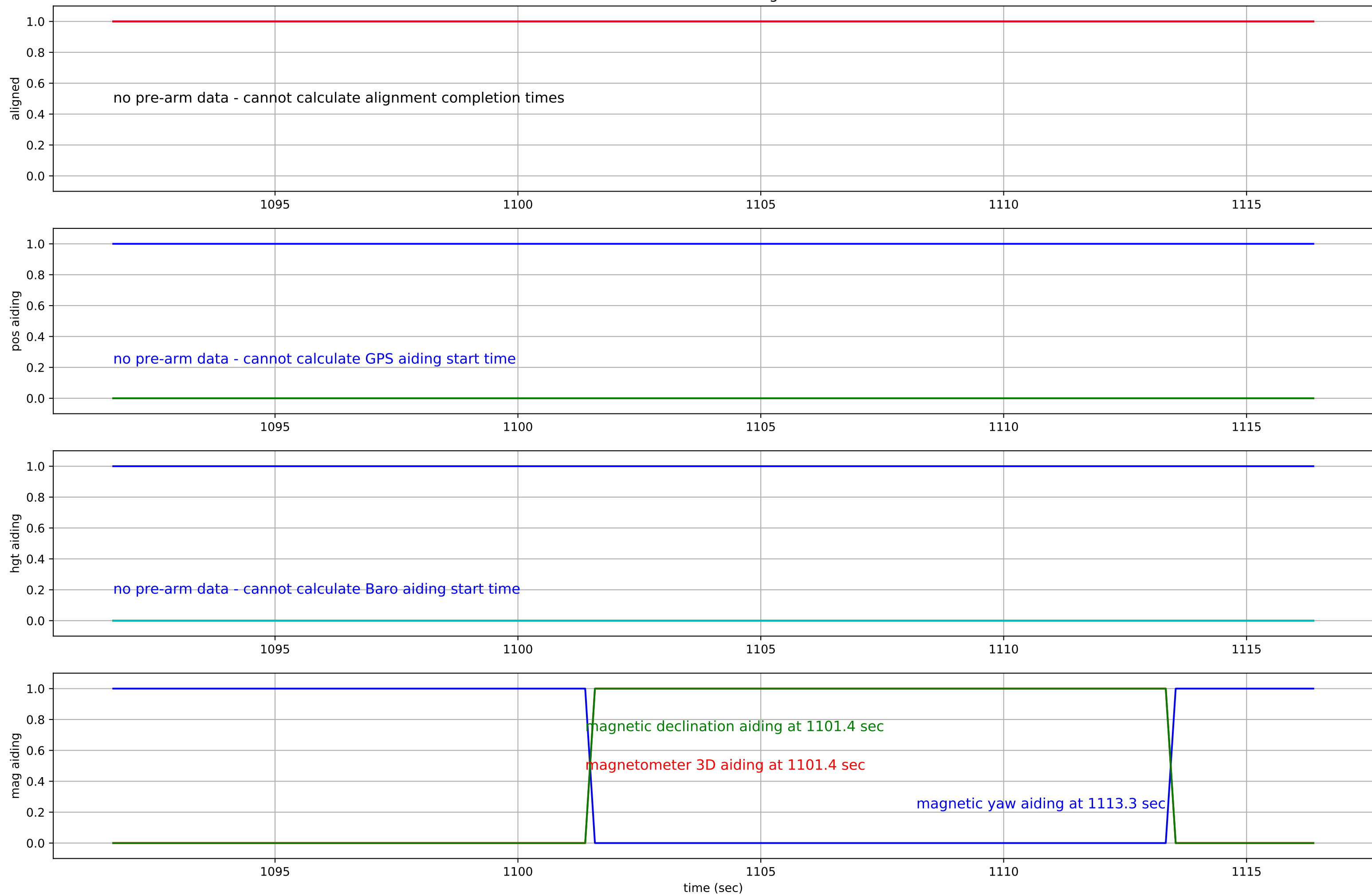




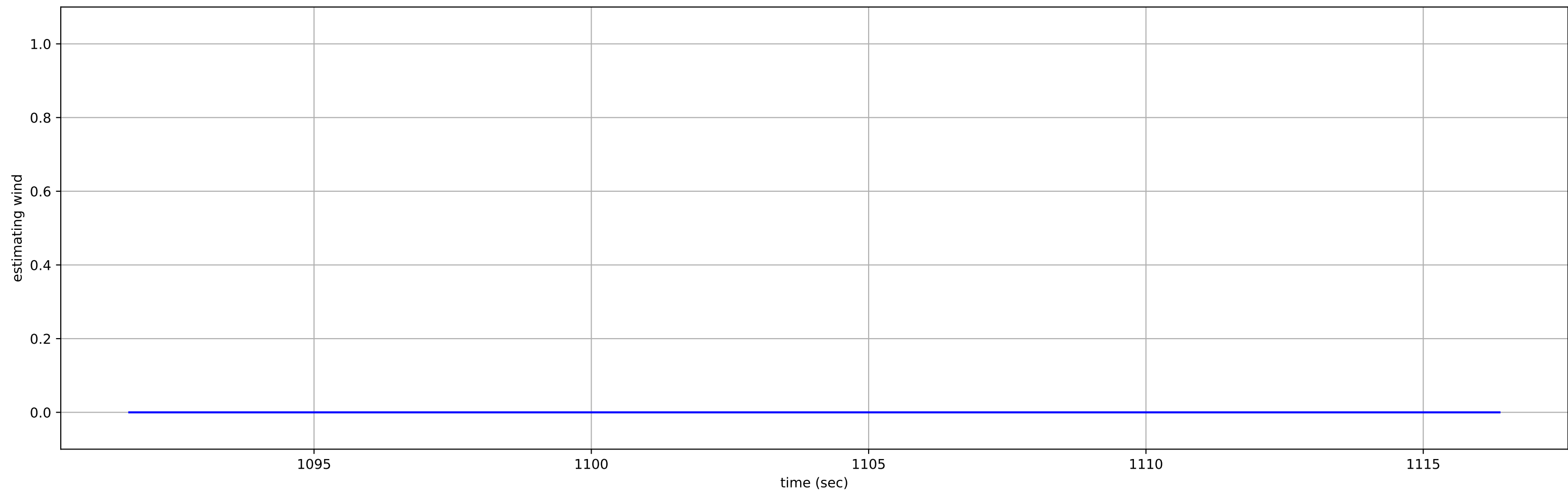
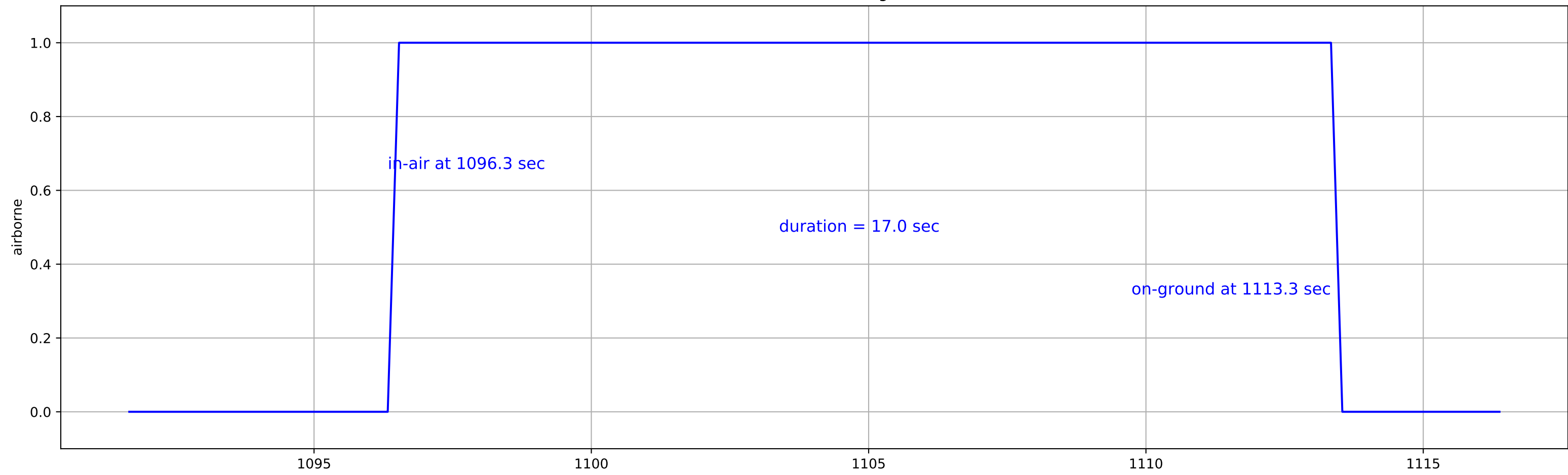
Normalised Innovation Test Levels



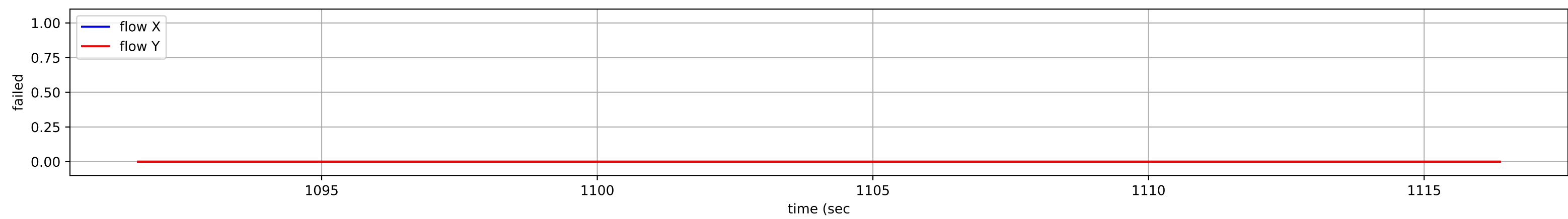
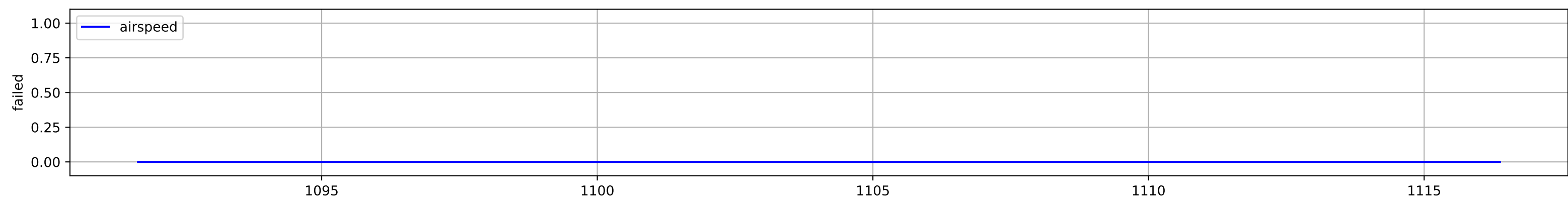
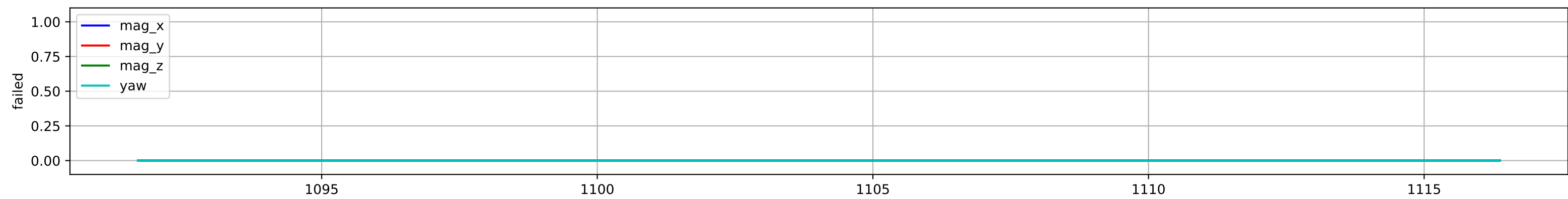
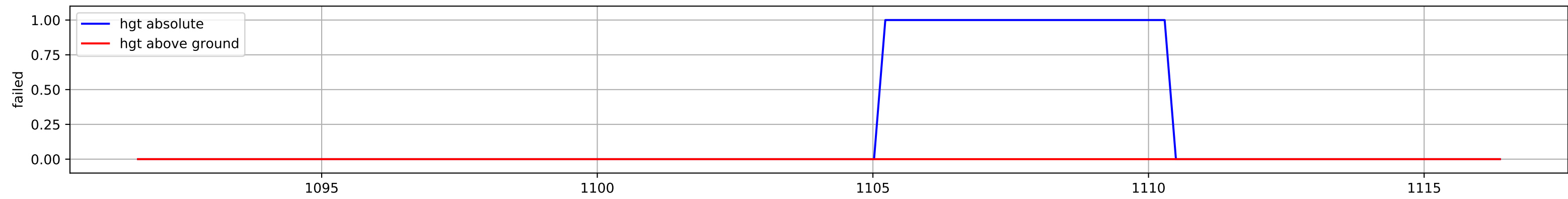
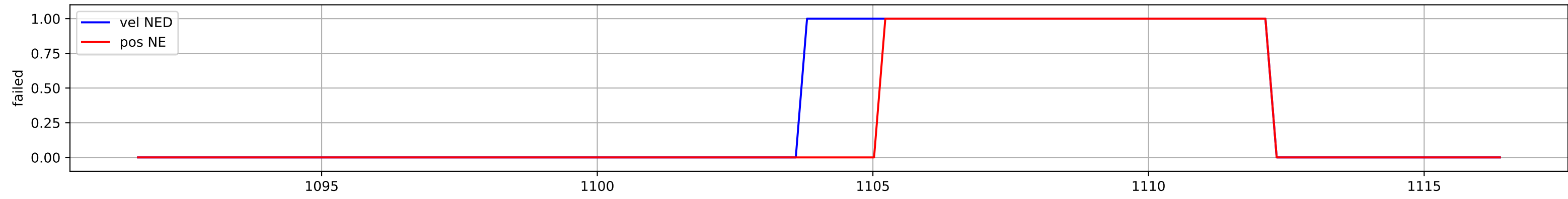
EKF Control Status - Figure A



EKF Control Status - Figure B

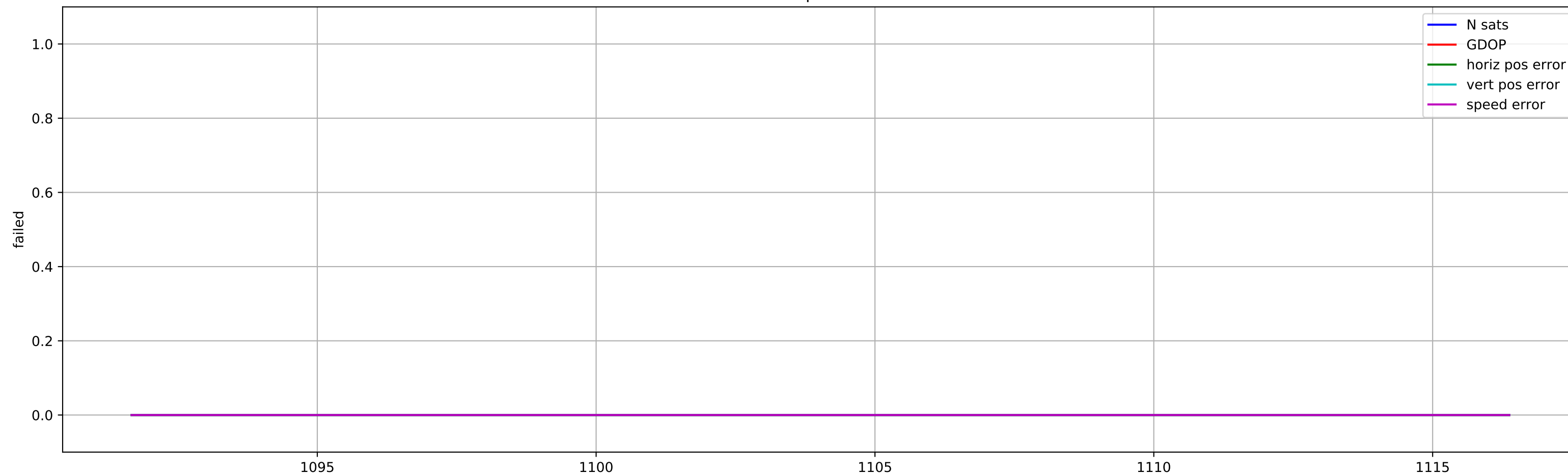


EKF Innovation Test Fails

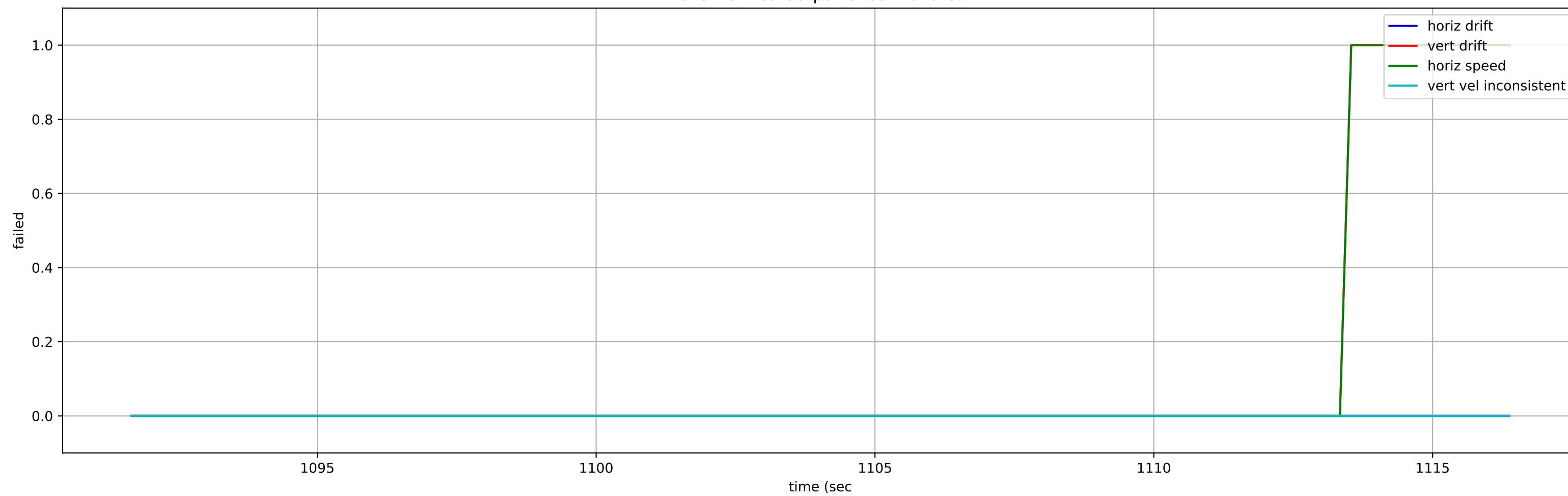


time (sec)

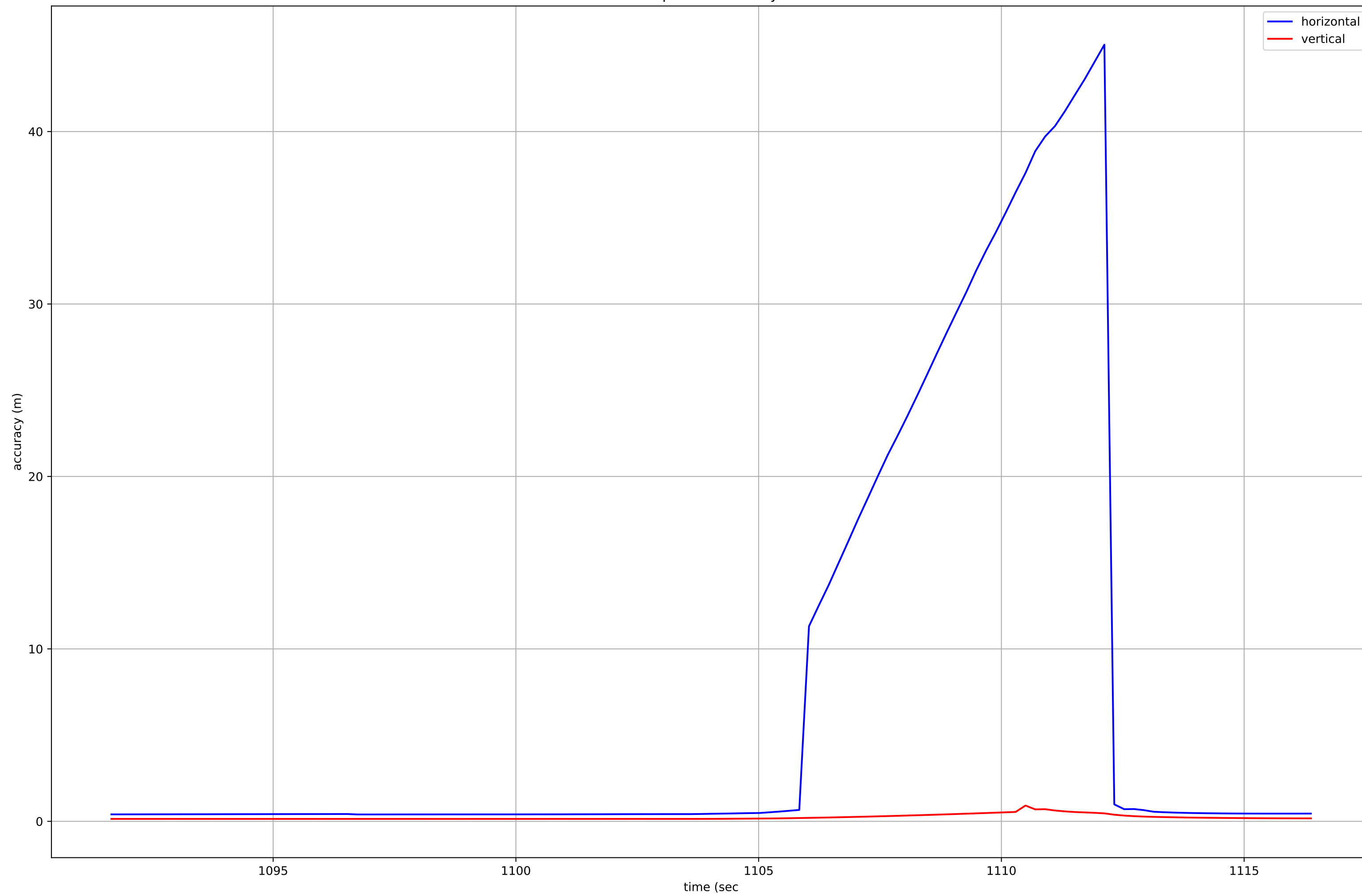
GPS Direct Output Check Failures



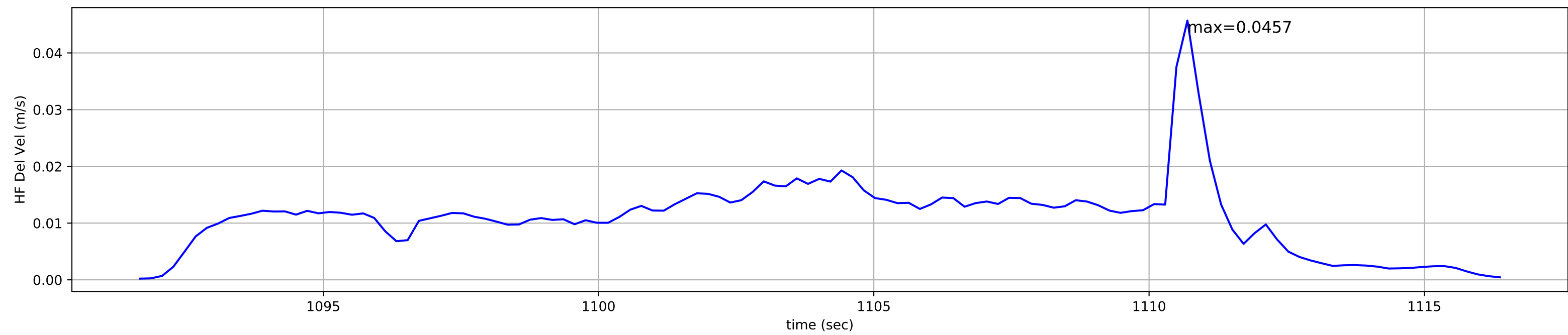
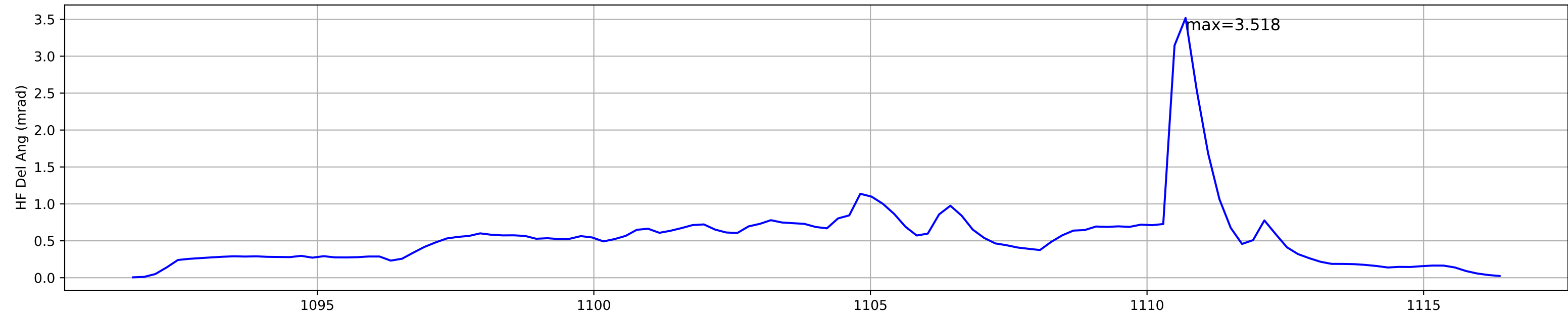
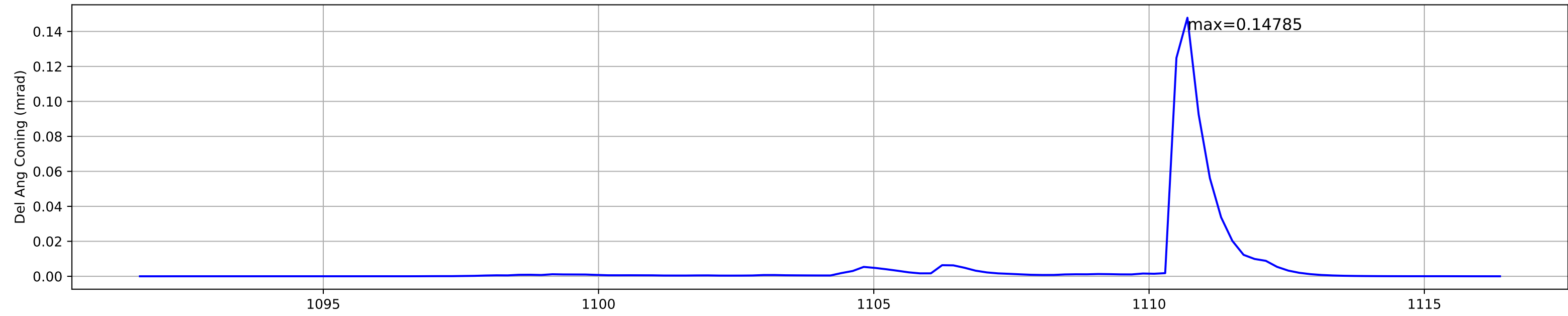
GPS Derived Output Check Failures



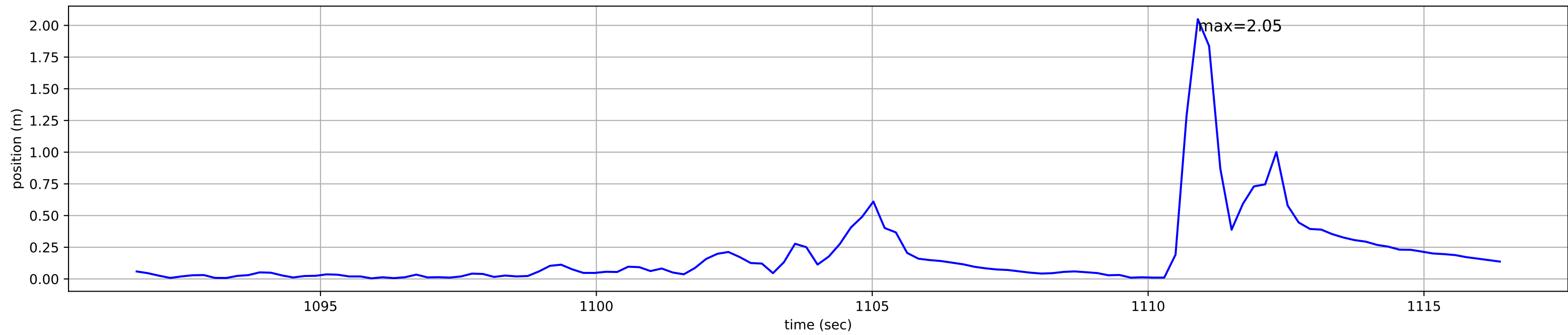
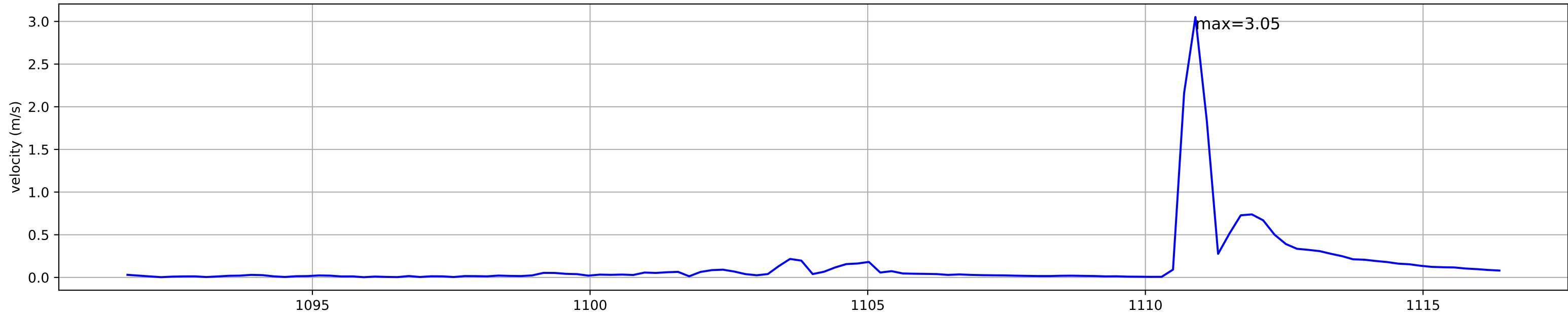
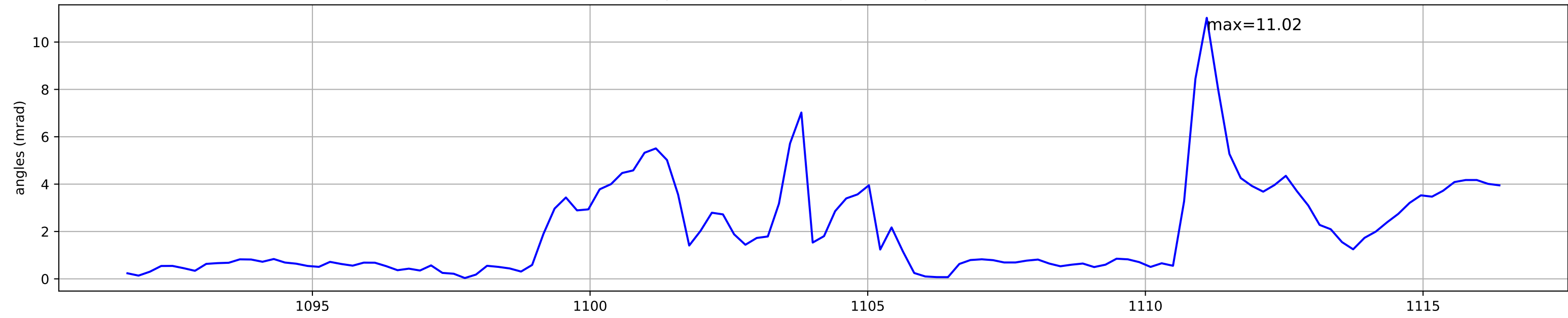
Reported Accuracy



IMU Vibration Metrics

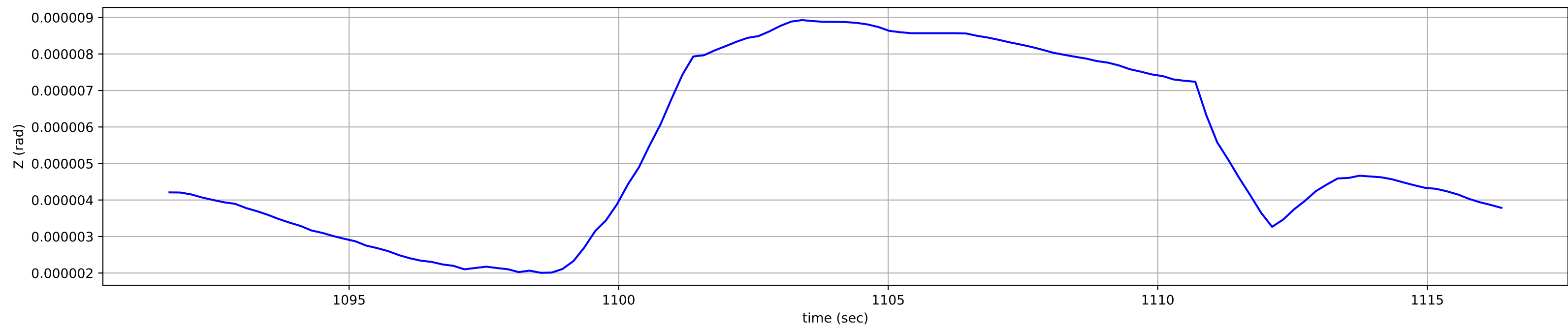
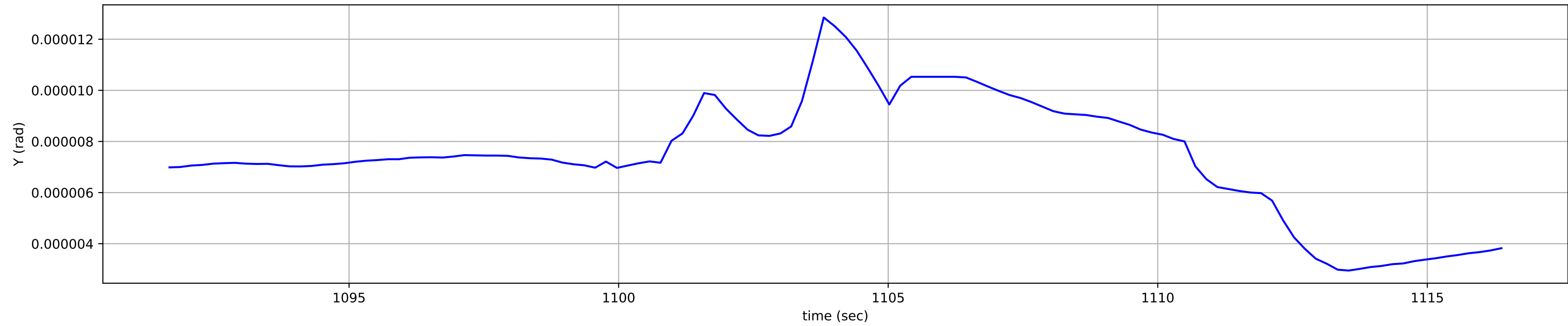
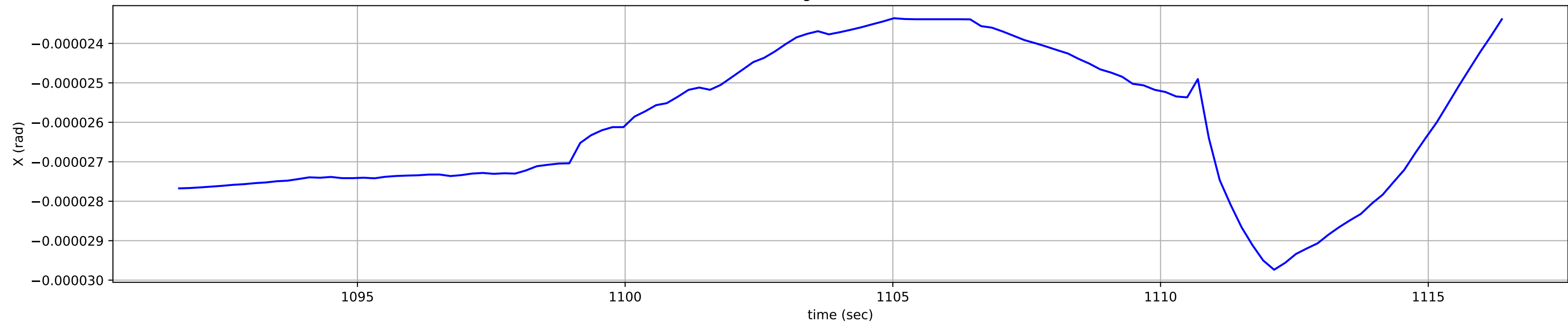


Output Observer Tracking Error Magnitudes

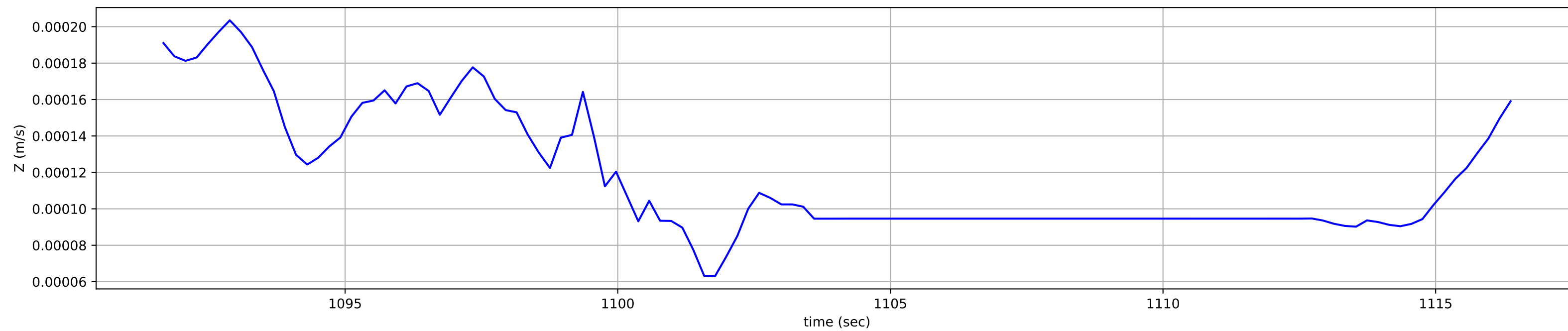
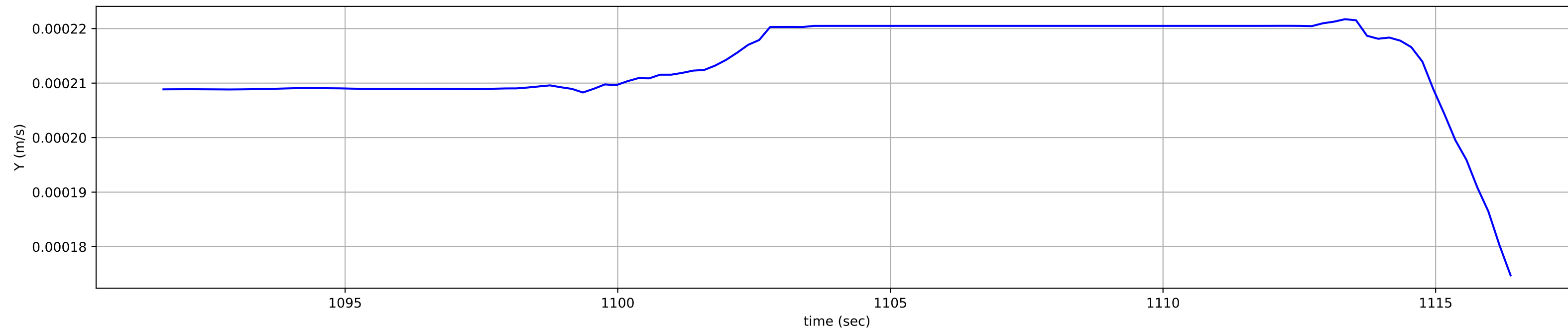
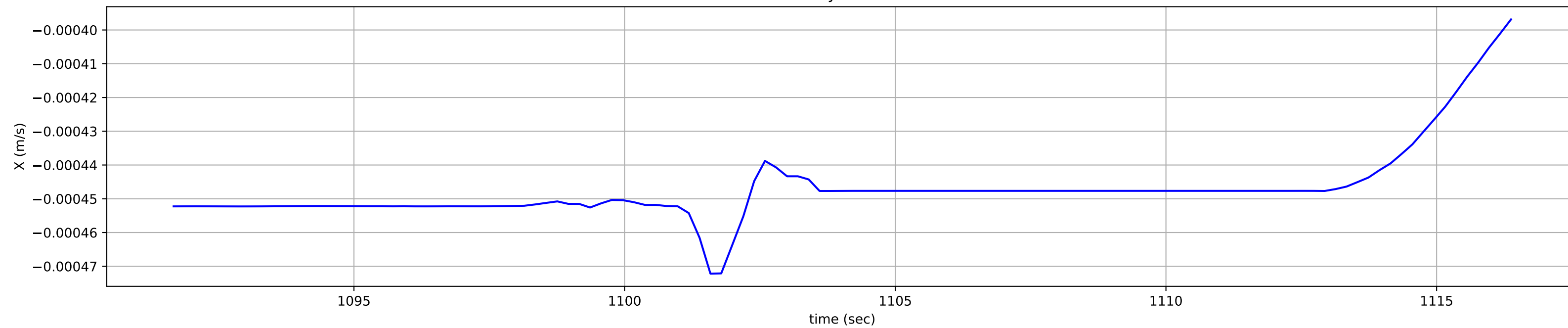




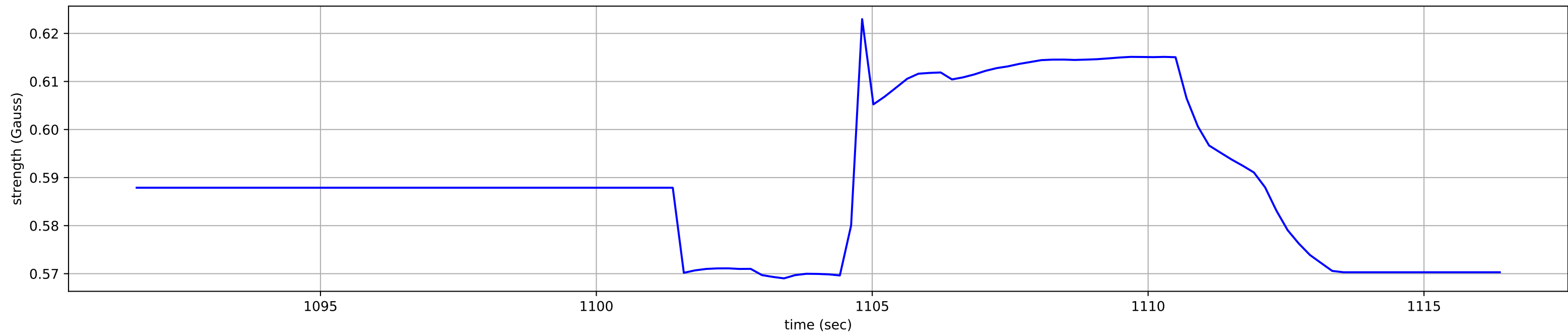
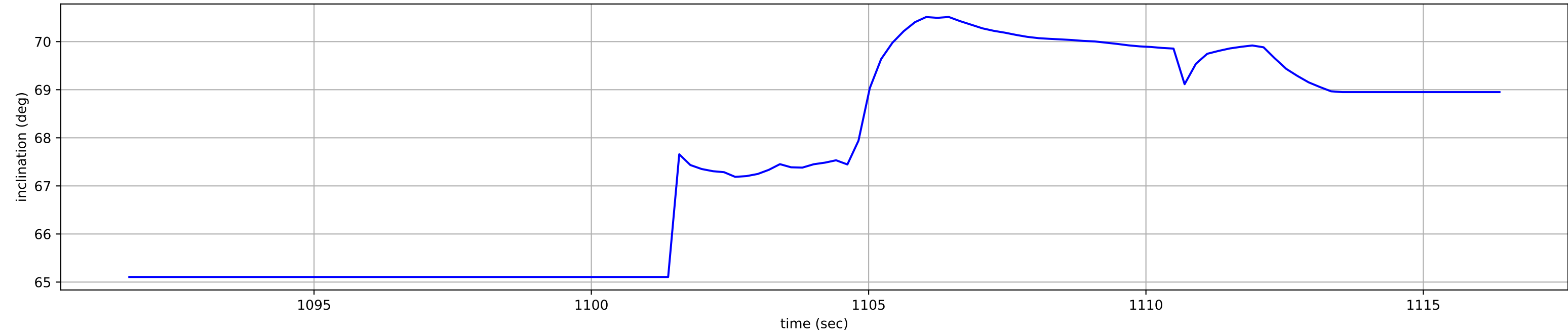
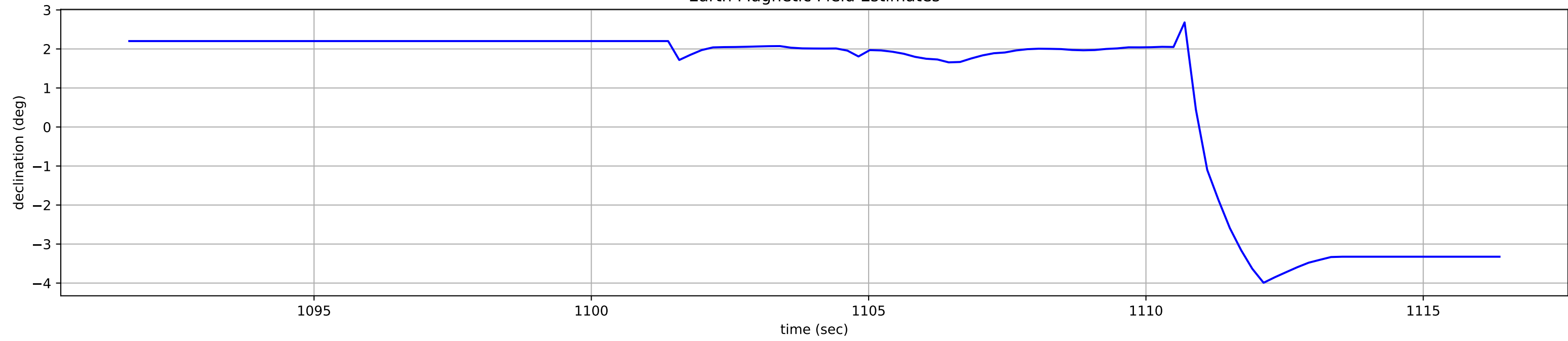
Delta Angle Bias Estimates



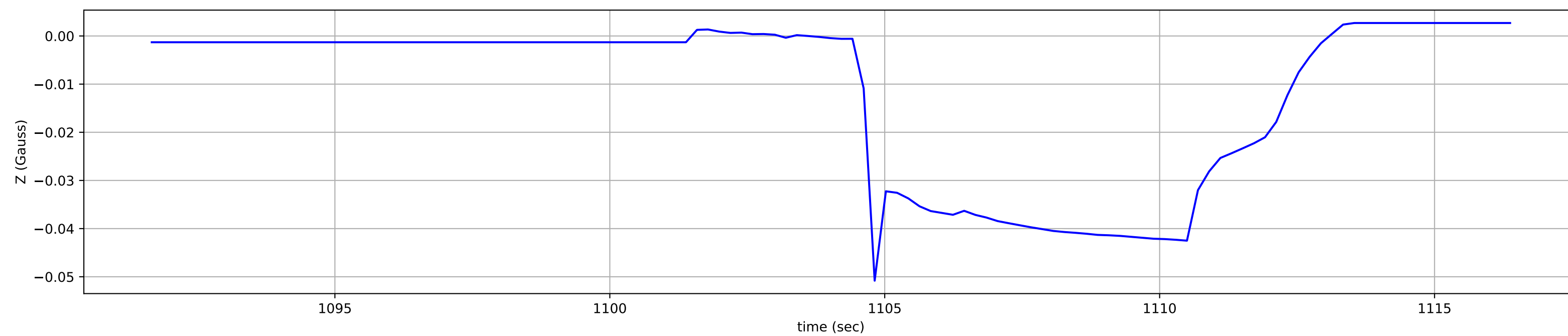
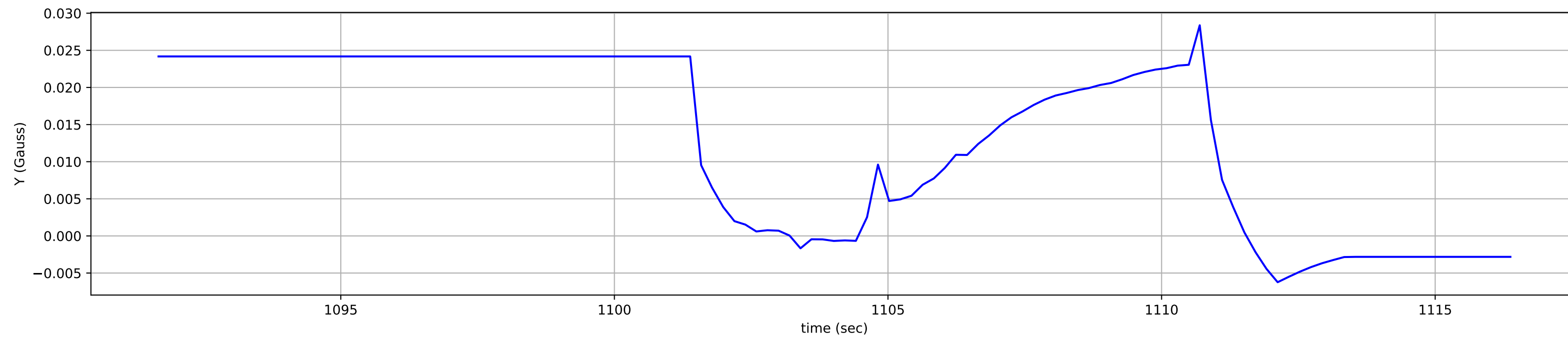
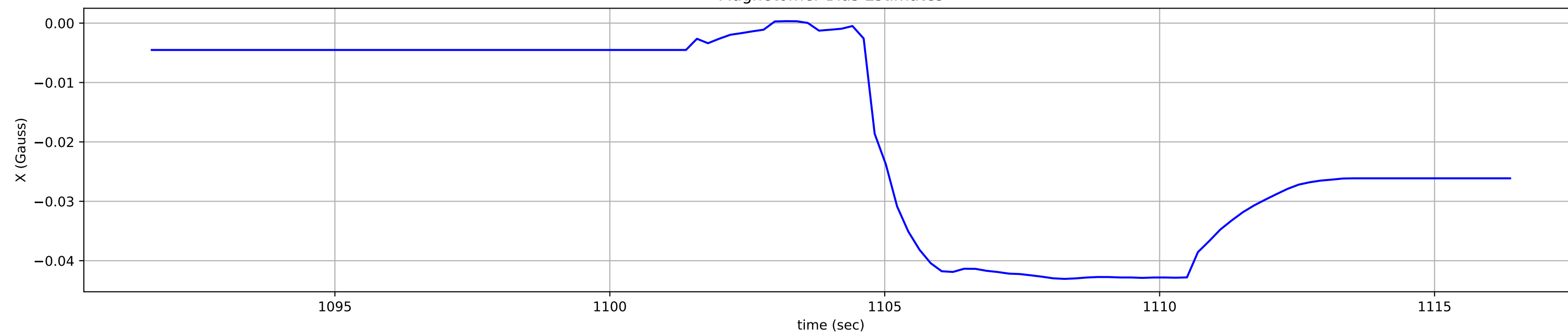
Delta Velocity Bias Estimates



Earth Magnetic Field Estimates



Magnetomer Bias Estimates



Wind Velocity Estimates

