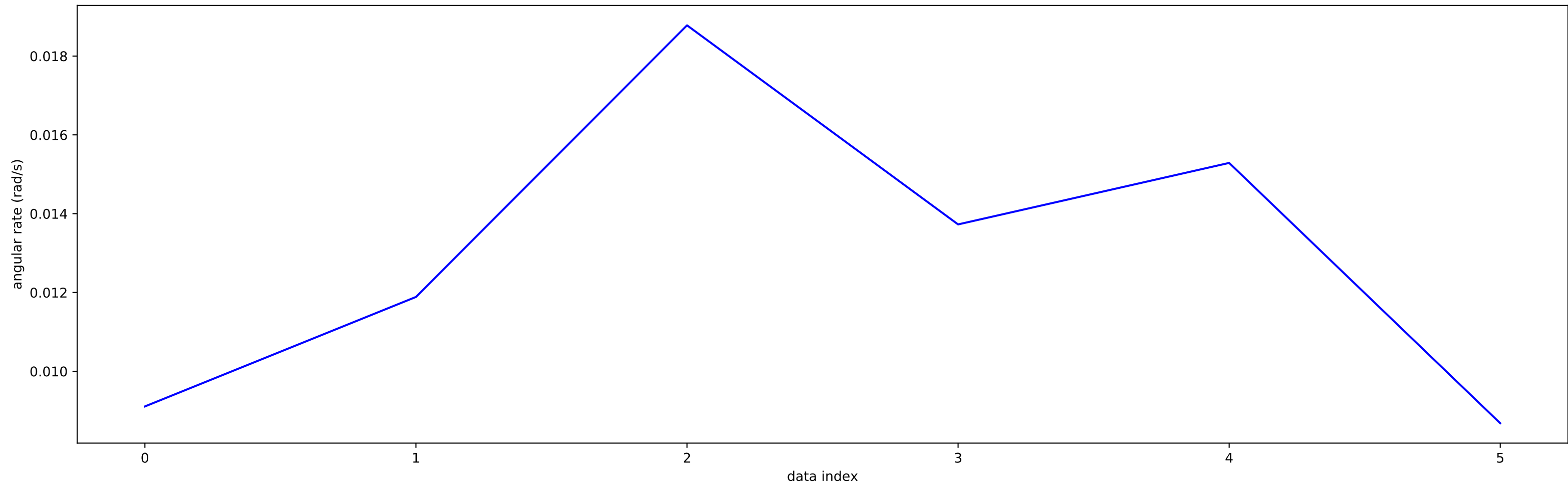
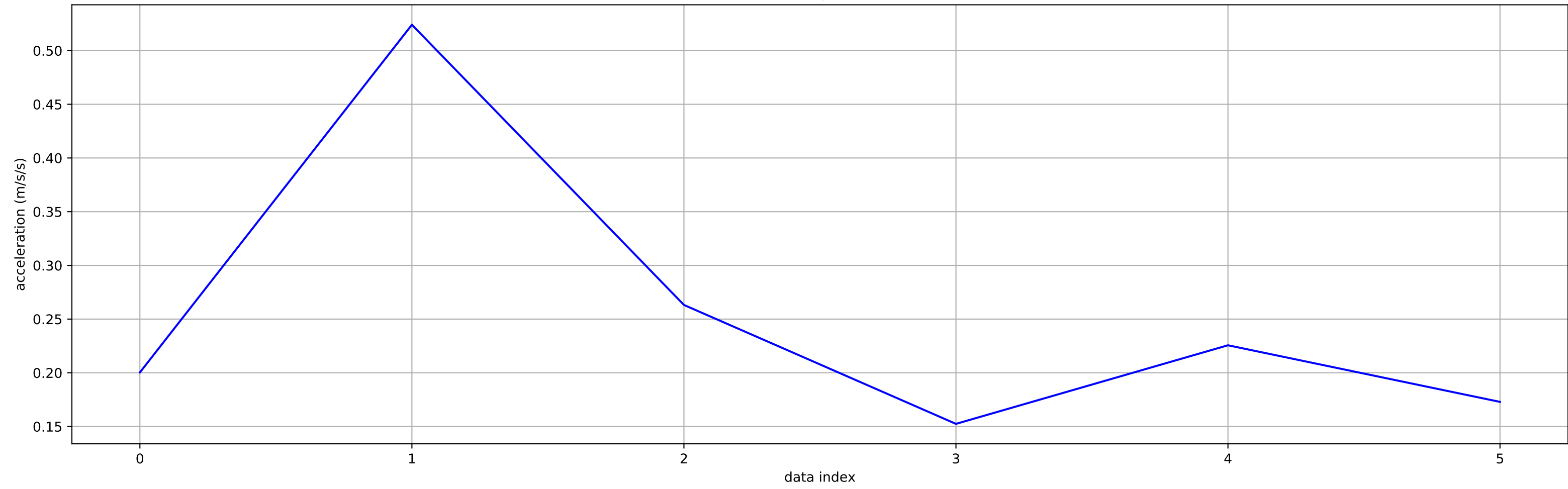
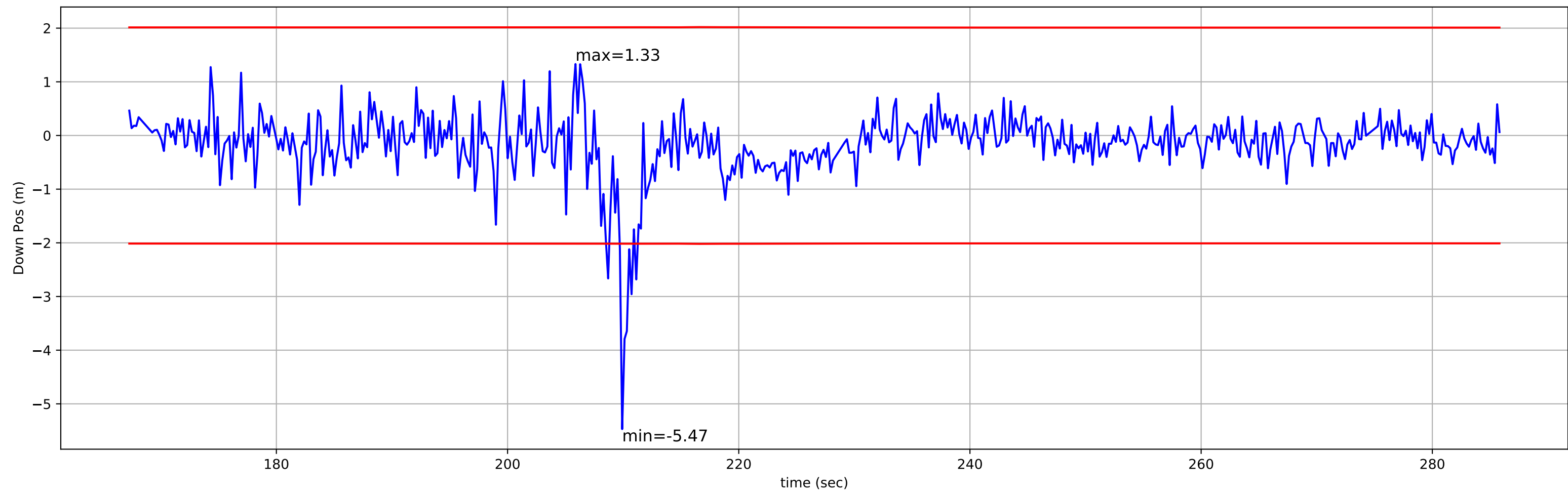
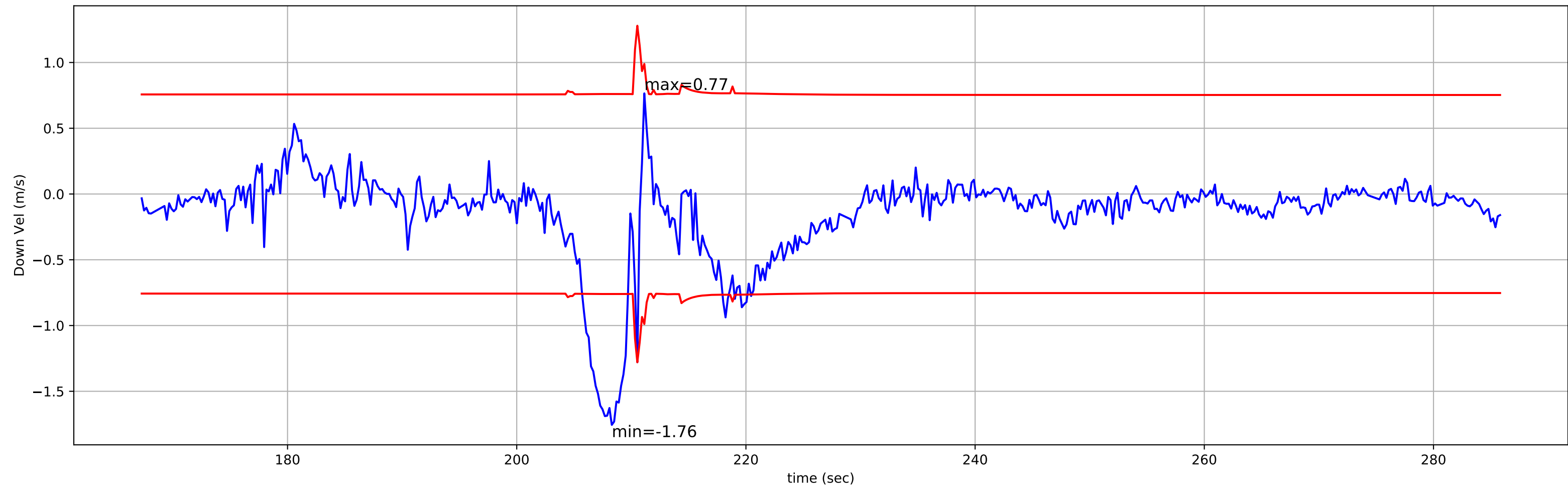


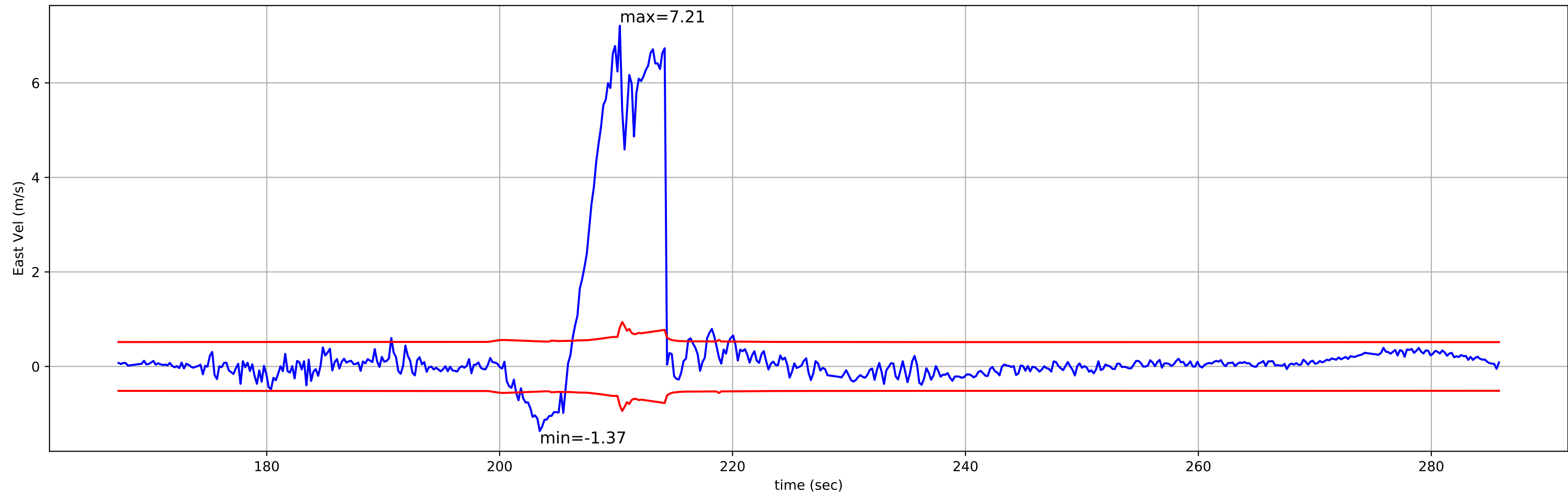
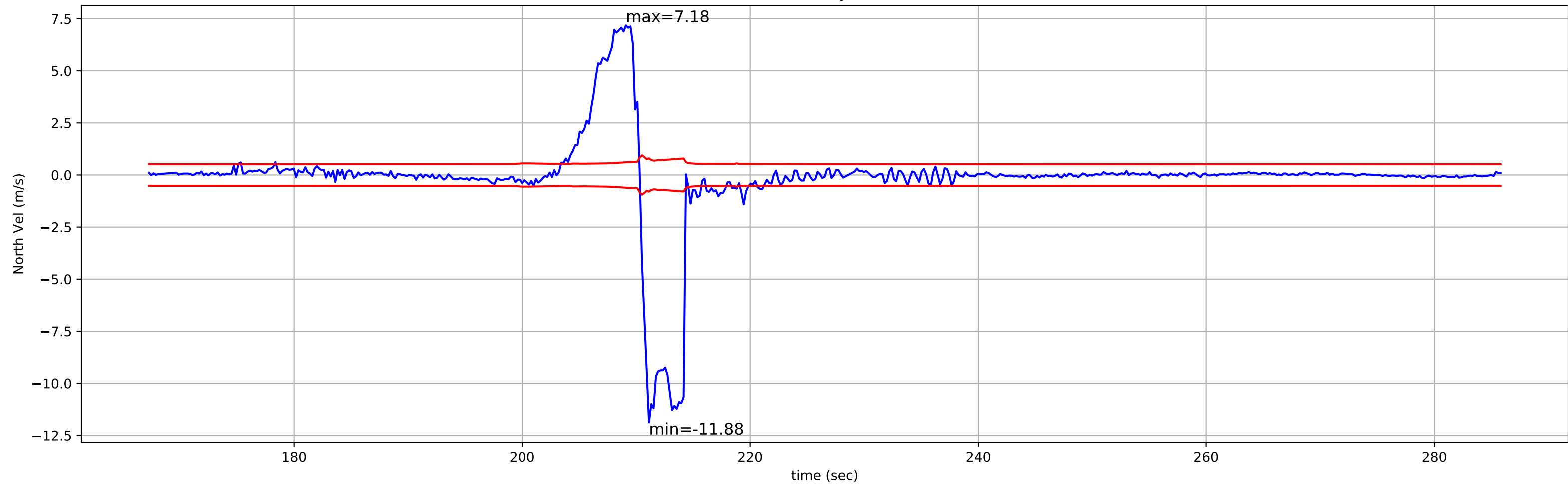
IMU Consistency Check Levels



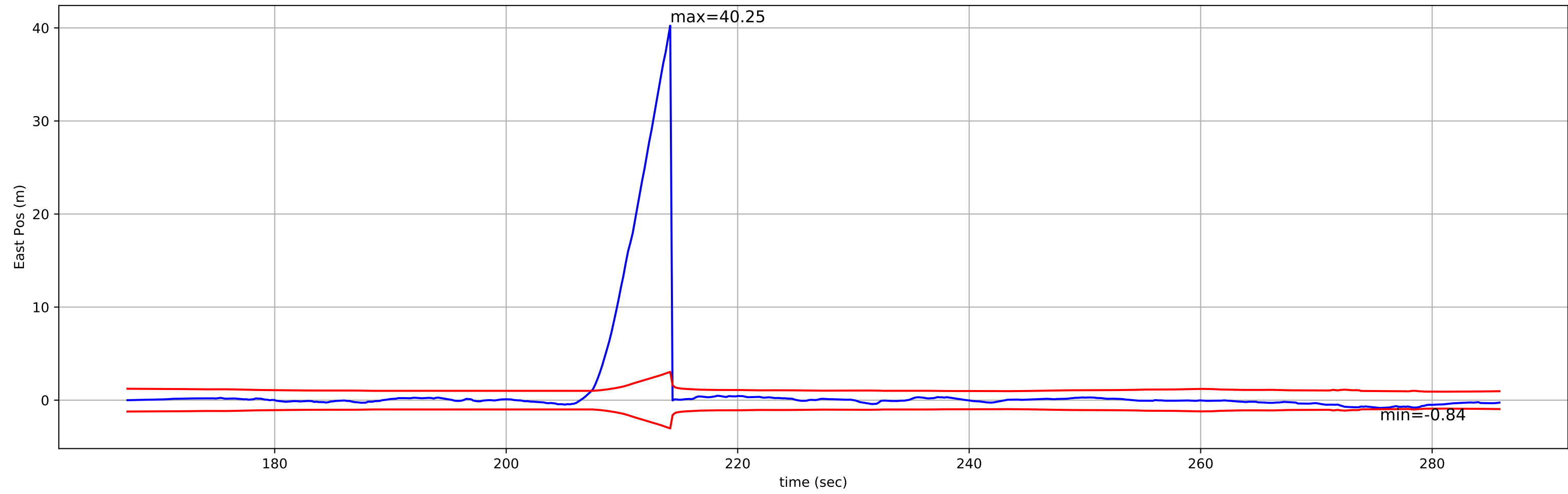
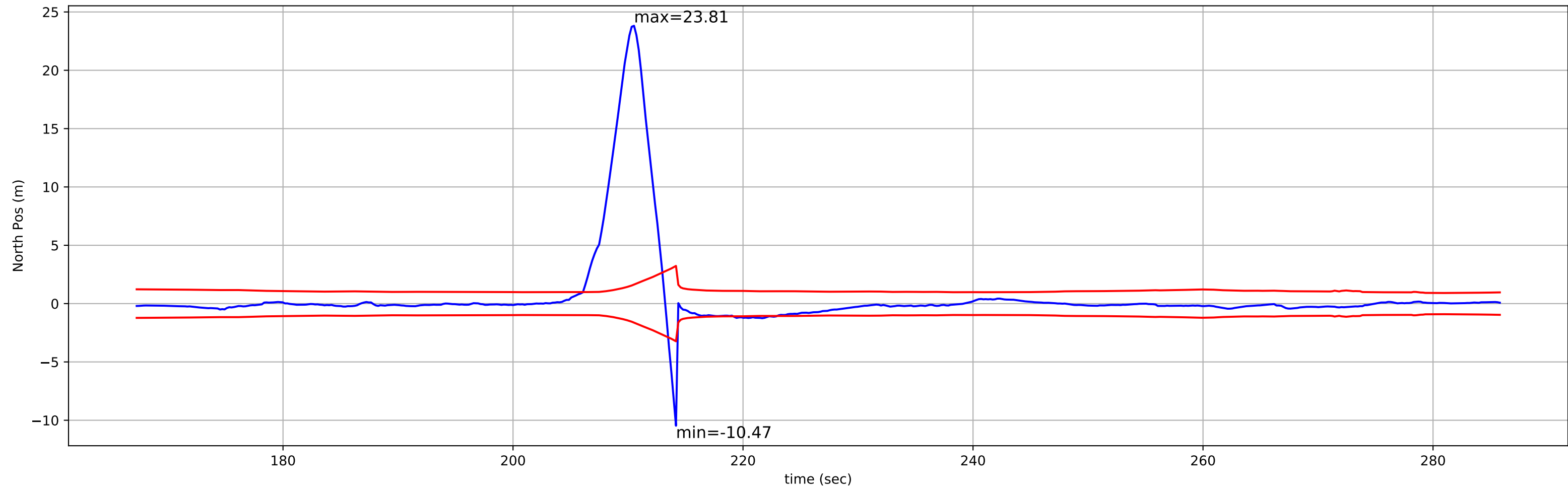
Vertical Innovations



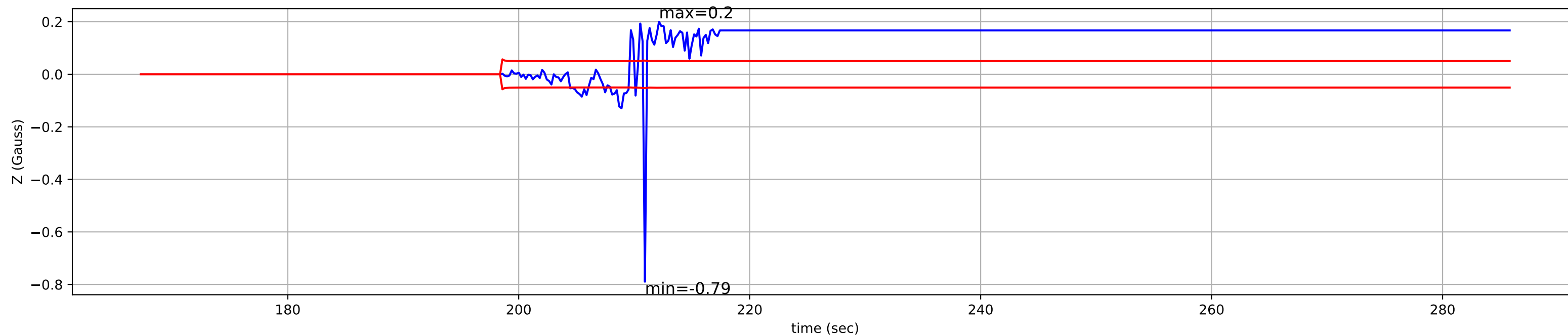
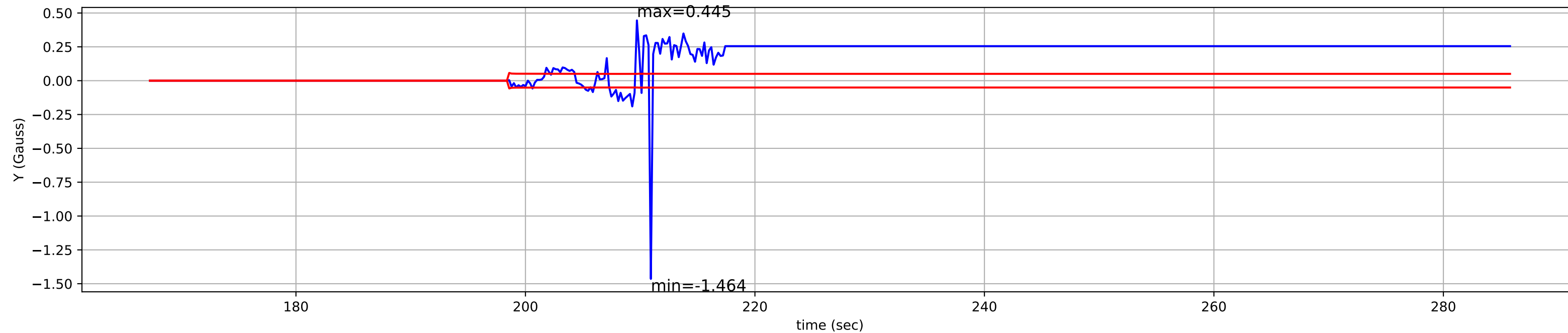
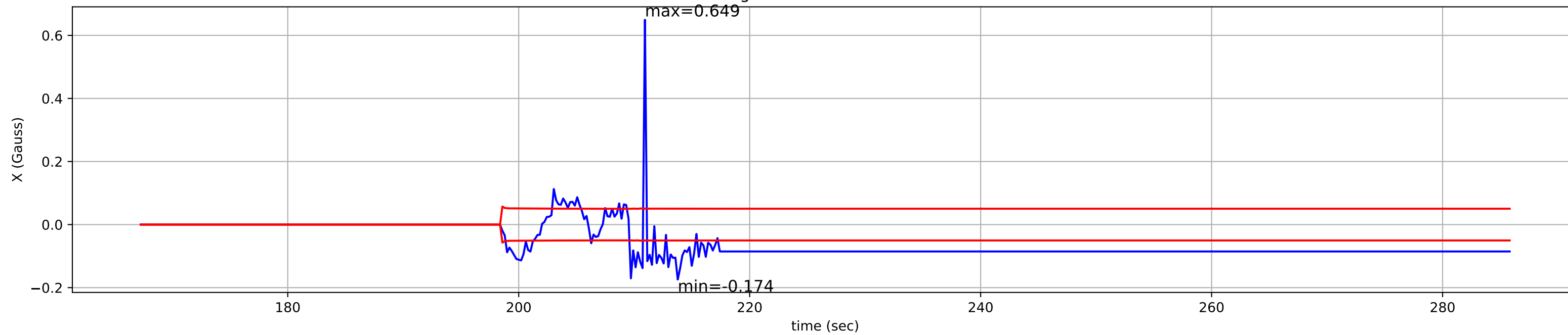
Horizontal Velocity Innovations



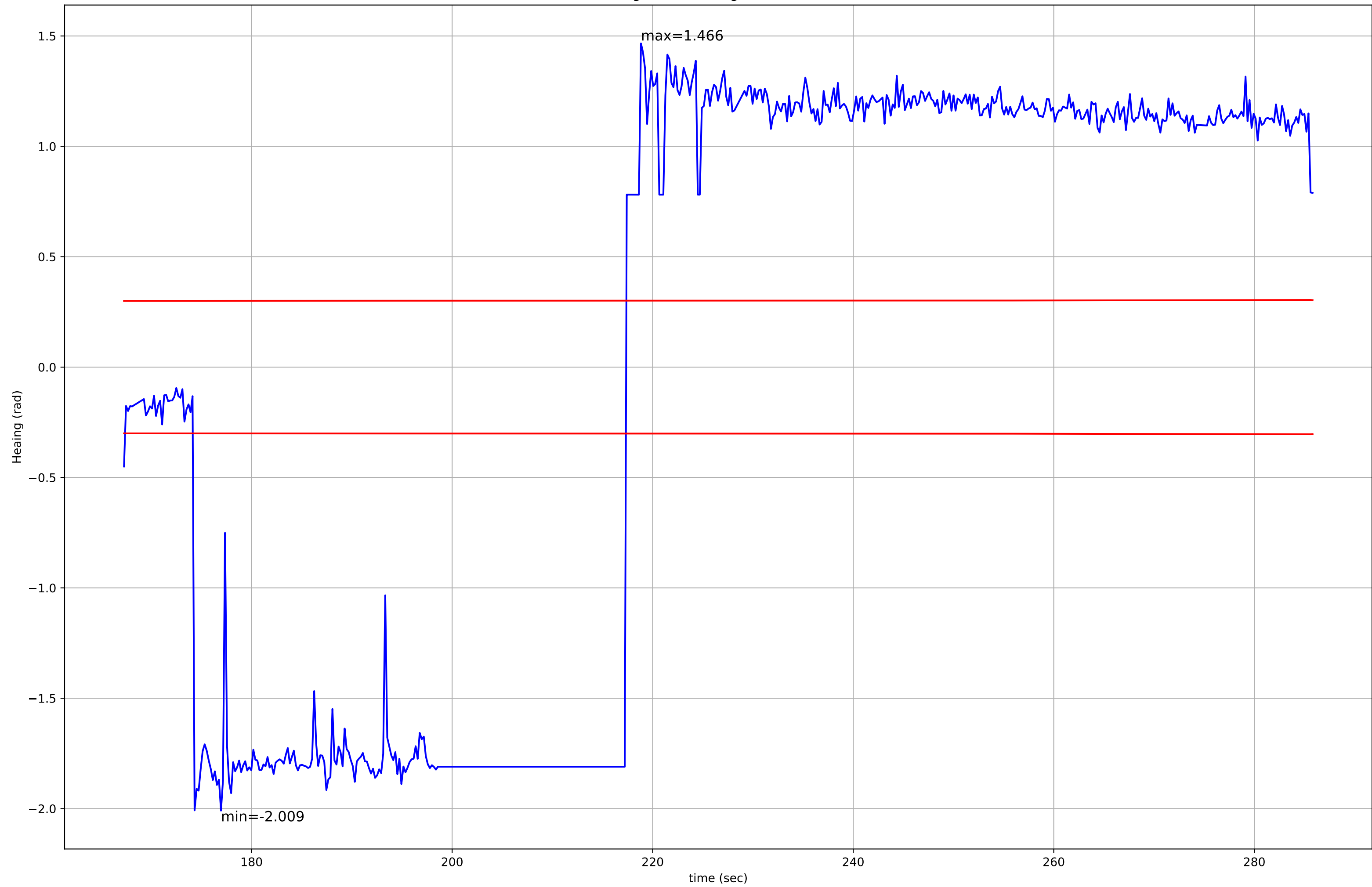
Horizontal Position Innovations



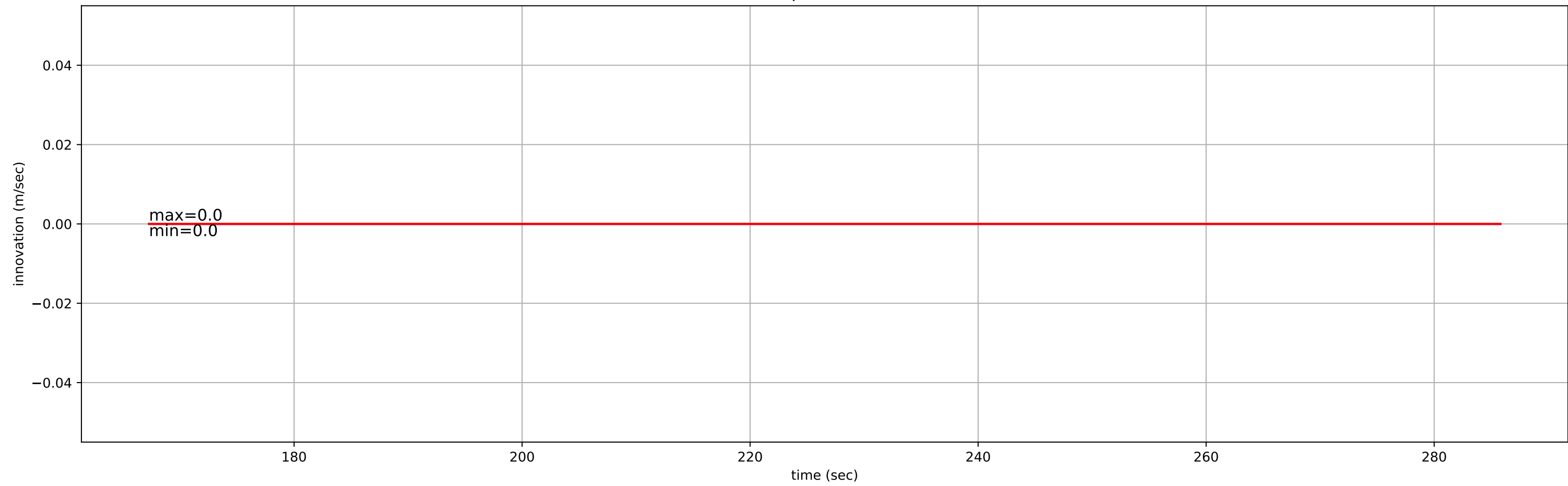
Magnetometer Innovations



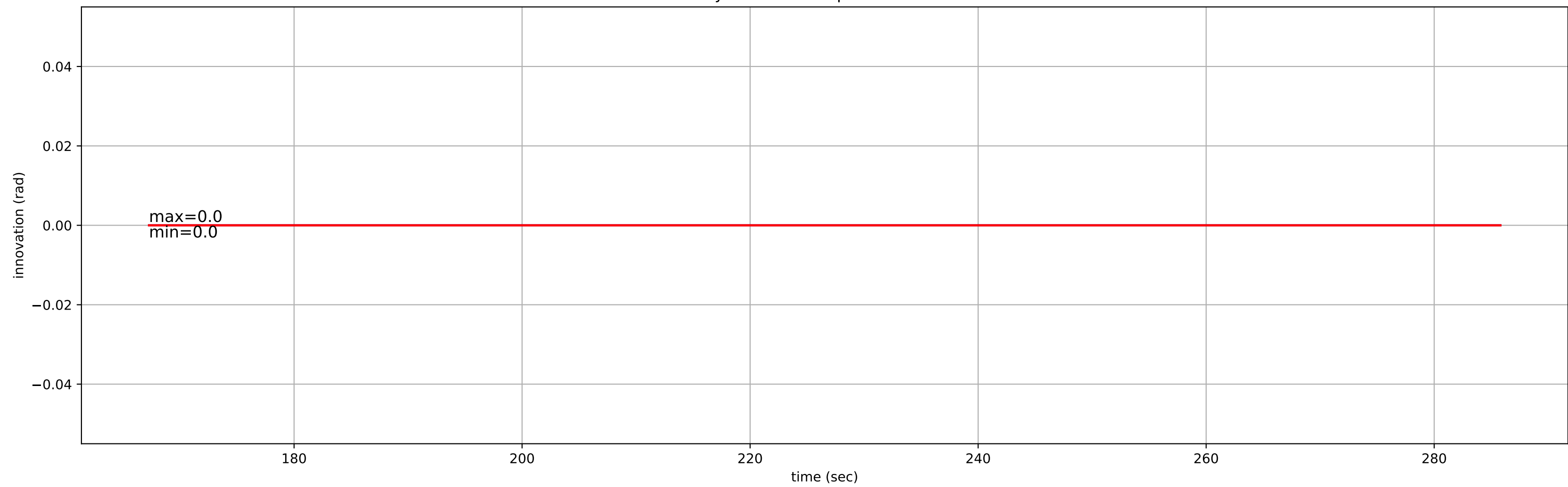
Magnetic Heading Innovations



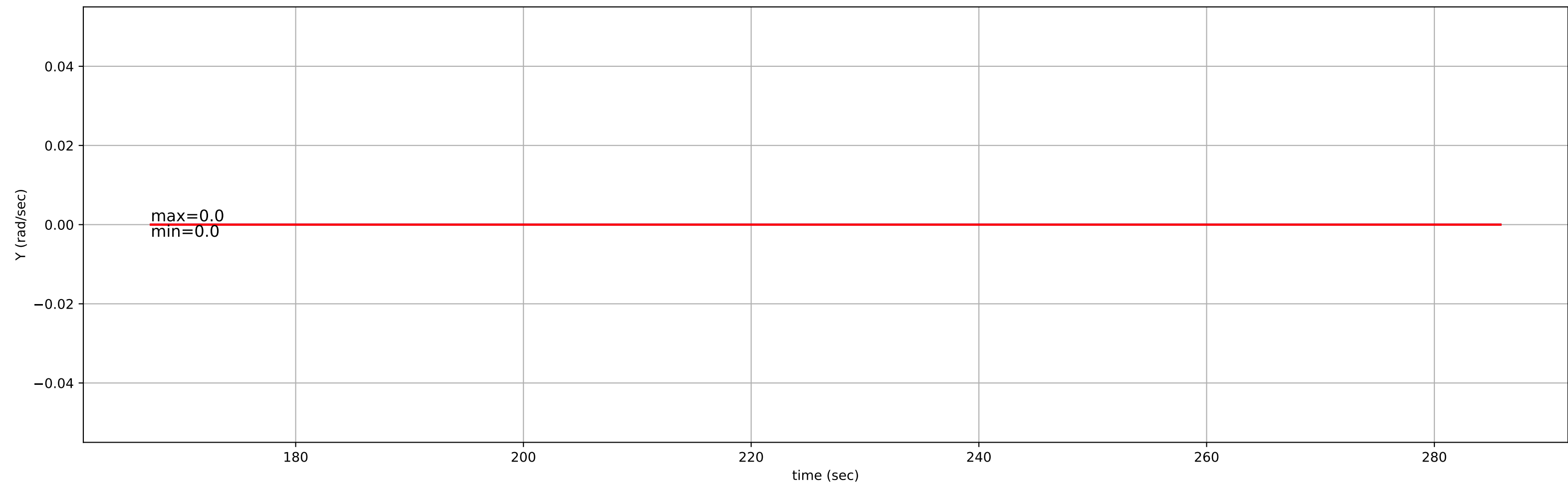
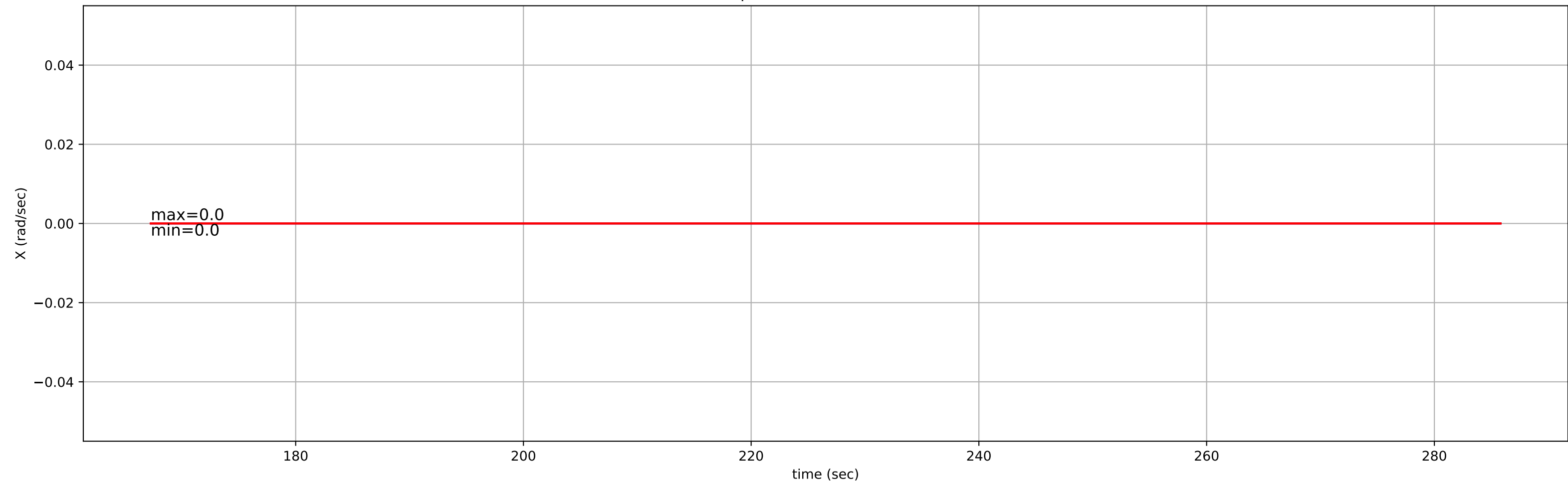
True Airspeed Innovations

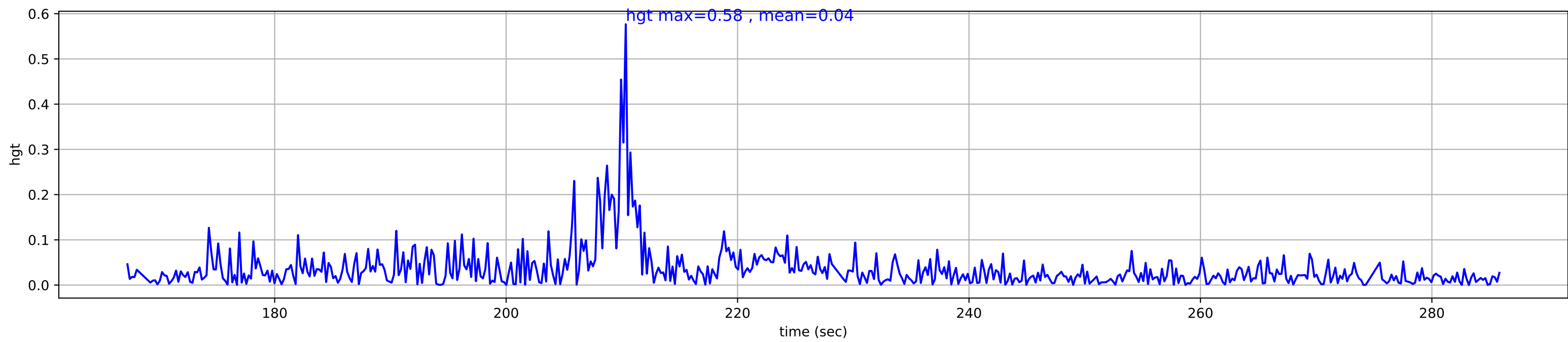
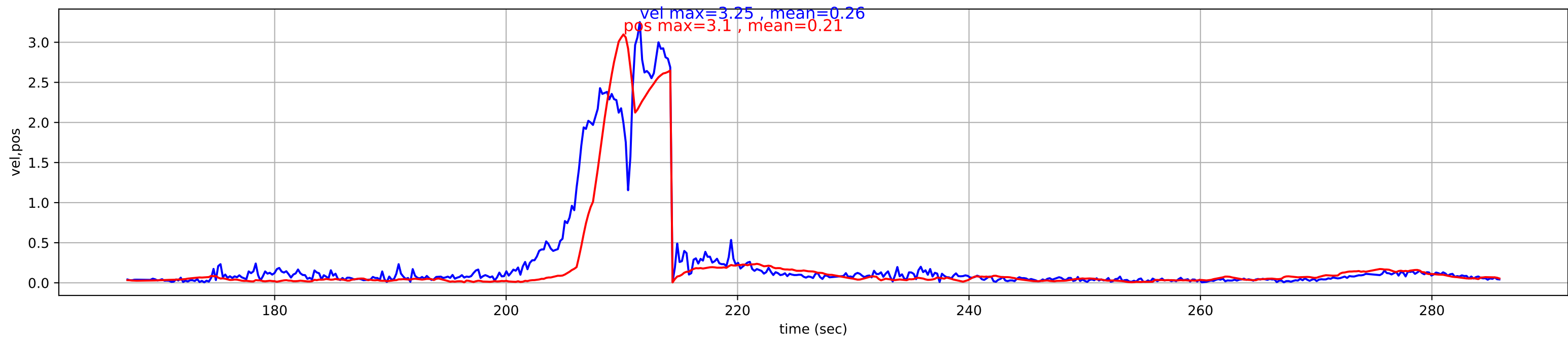
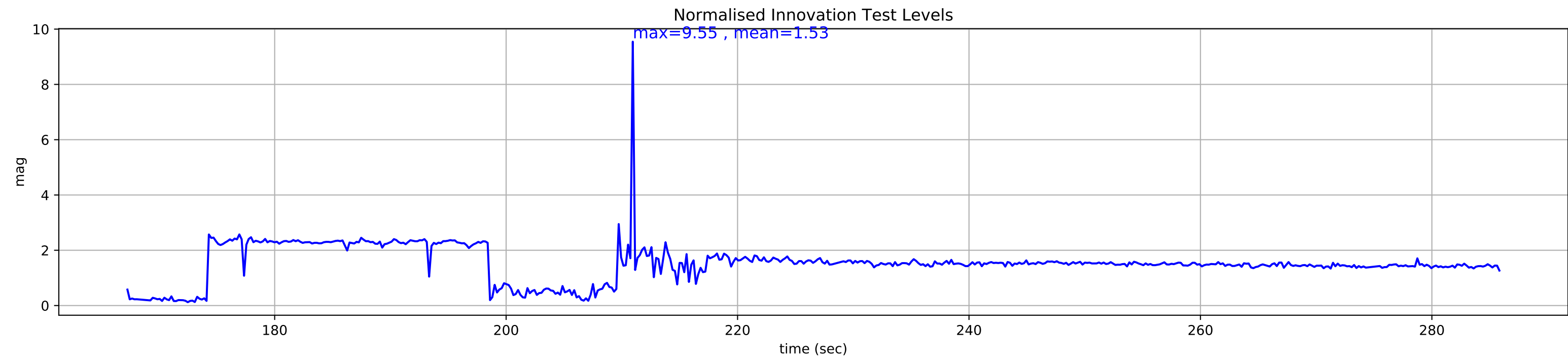


Synthetic Sideslip Innovations

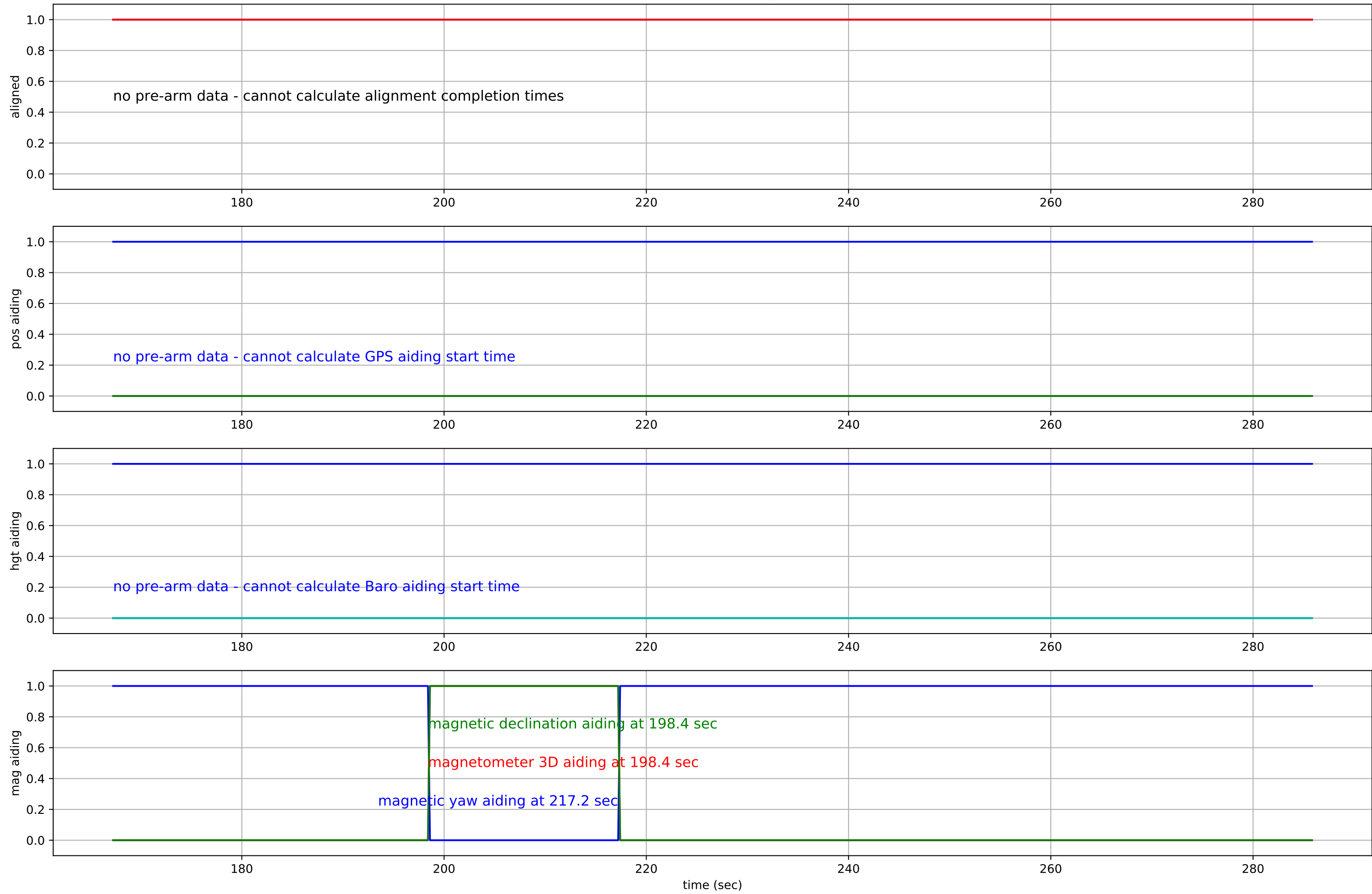


Optical Flow Innovations

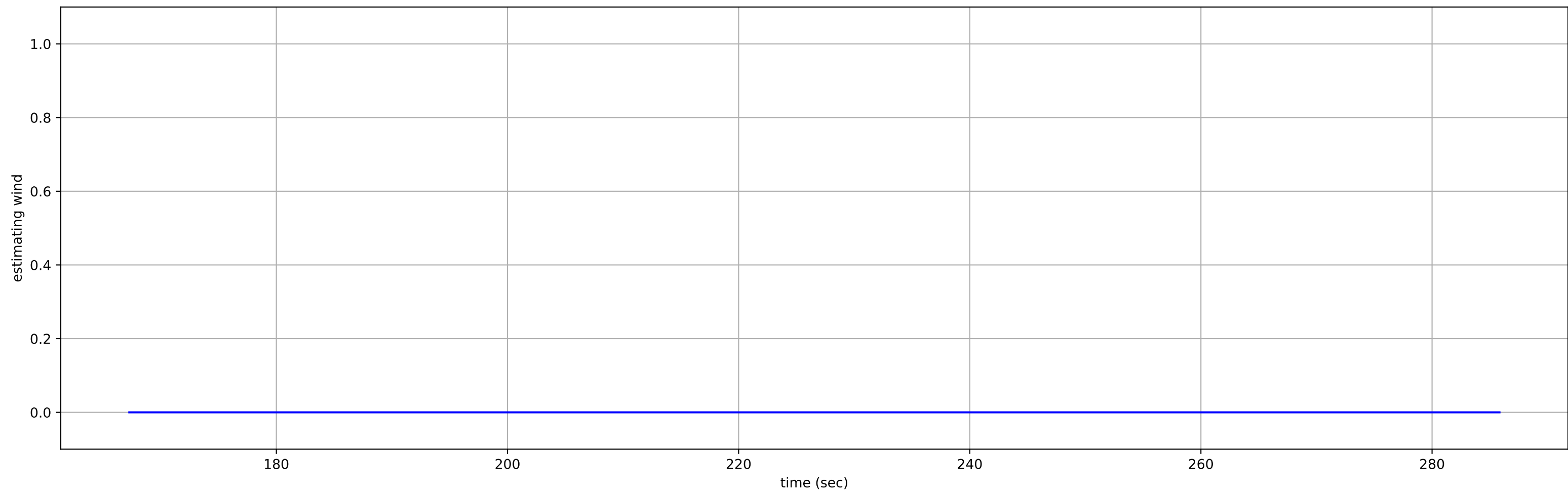
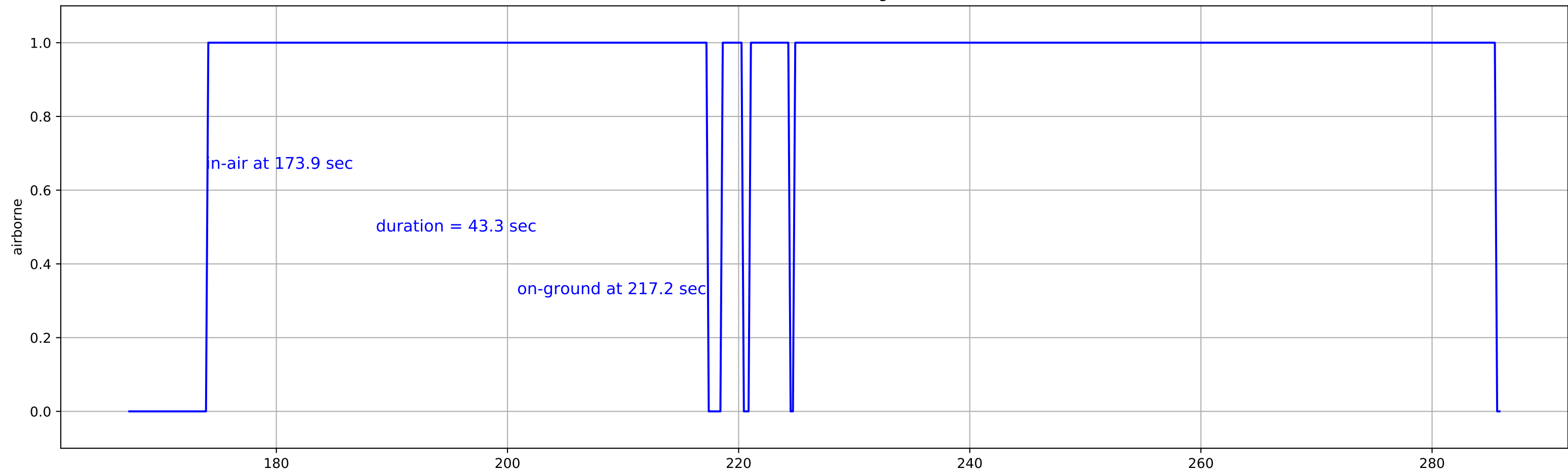




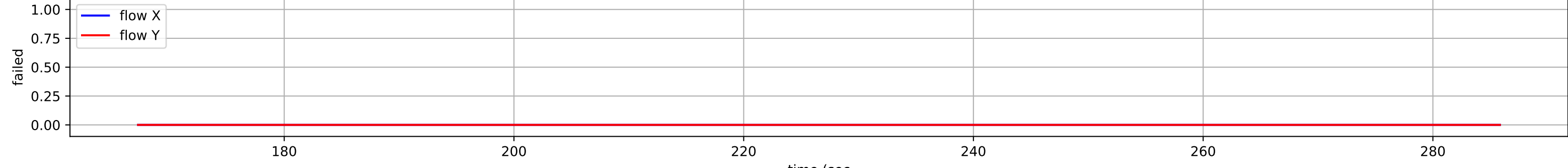
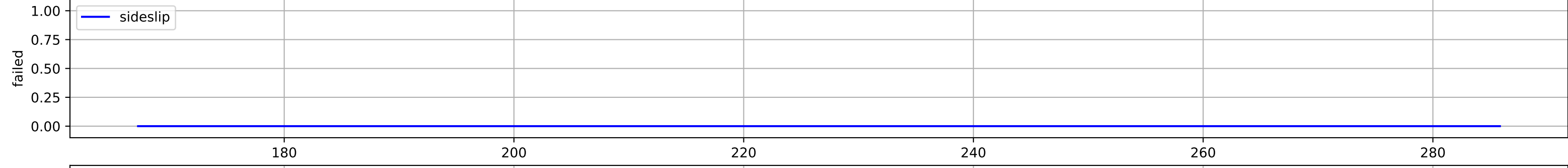
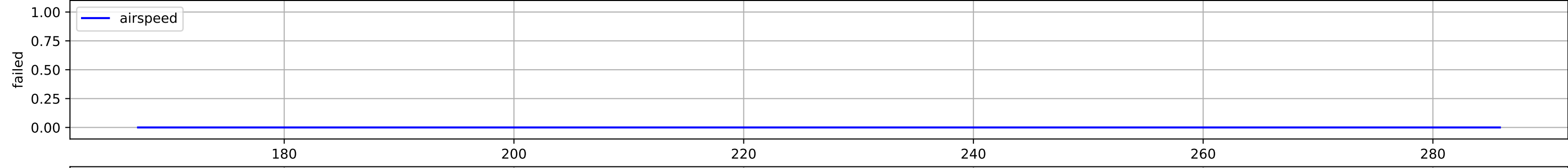
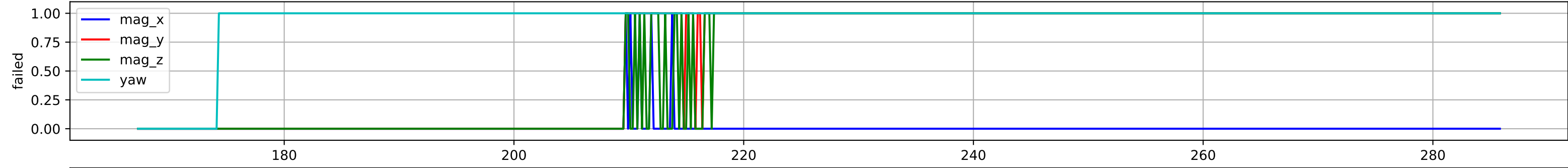
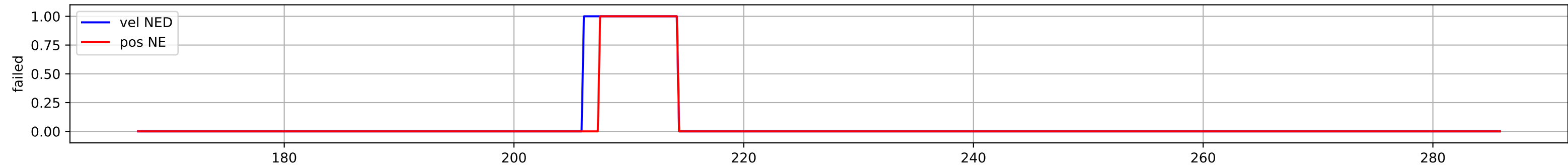
EKF Control Status - Figure A



EKF Control Status - Figure B

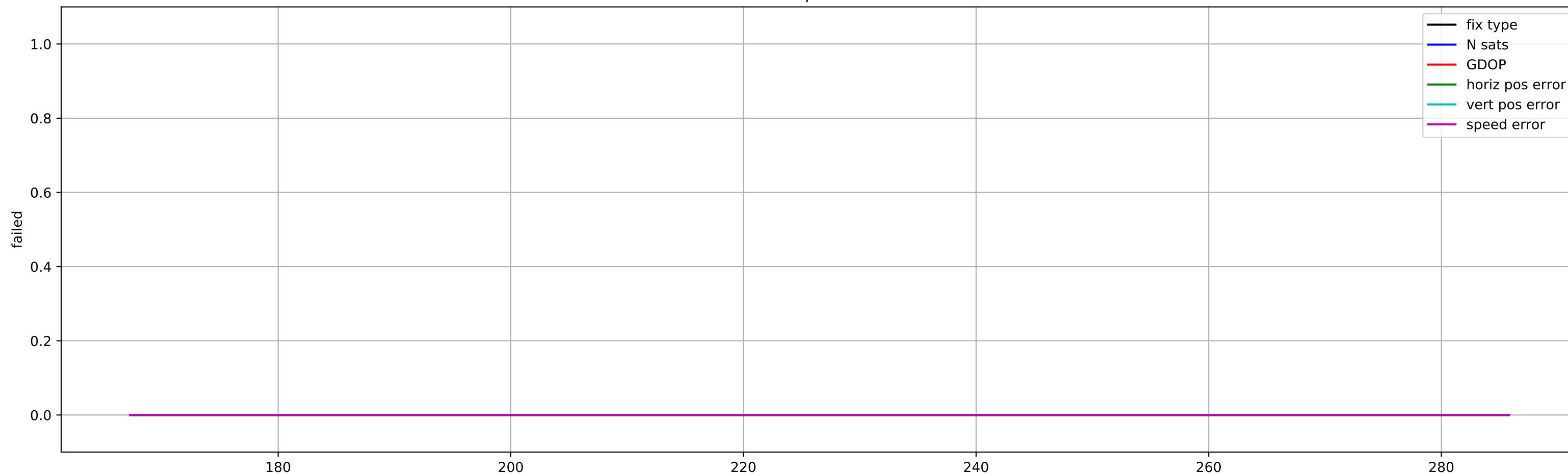


EKF Innovation Test Fails

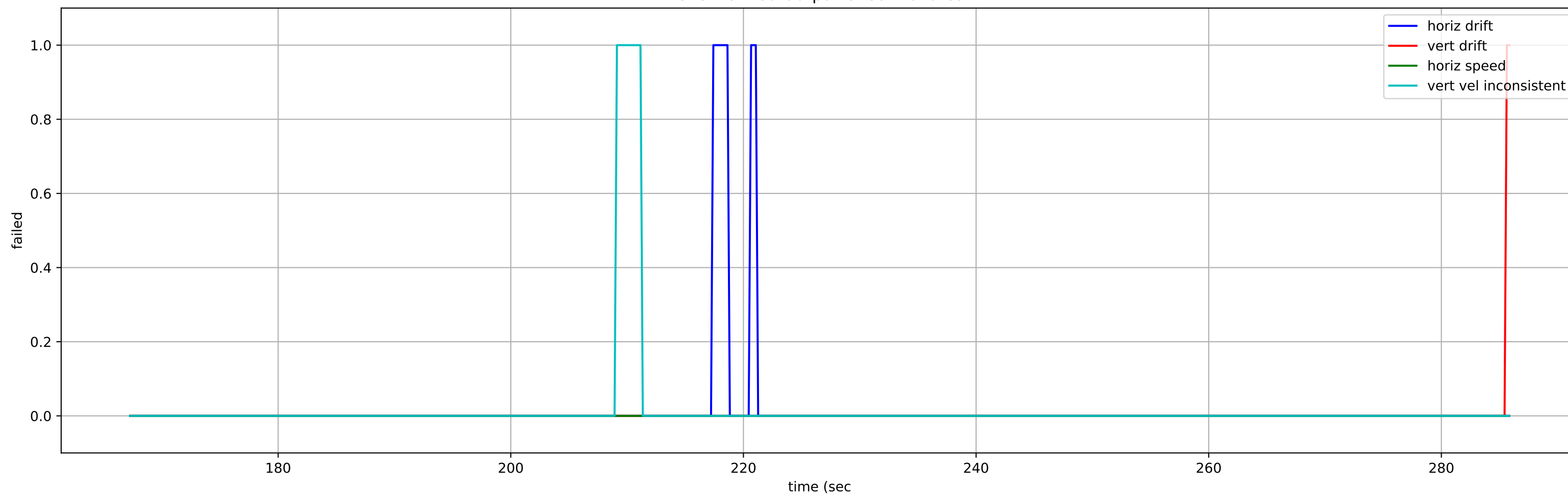


time (sec)

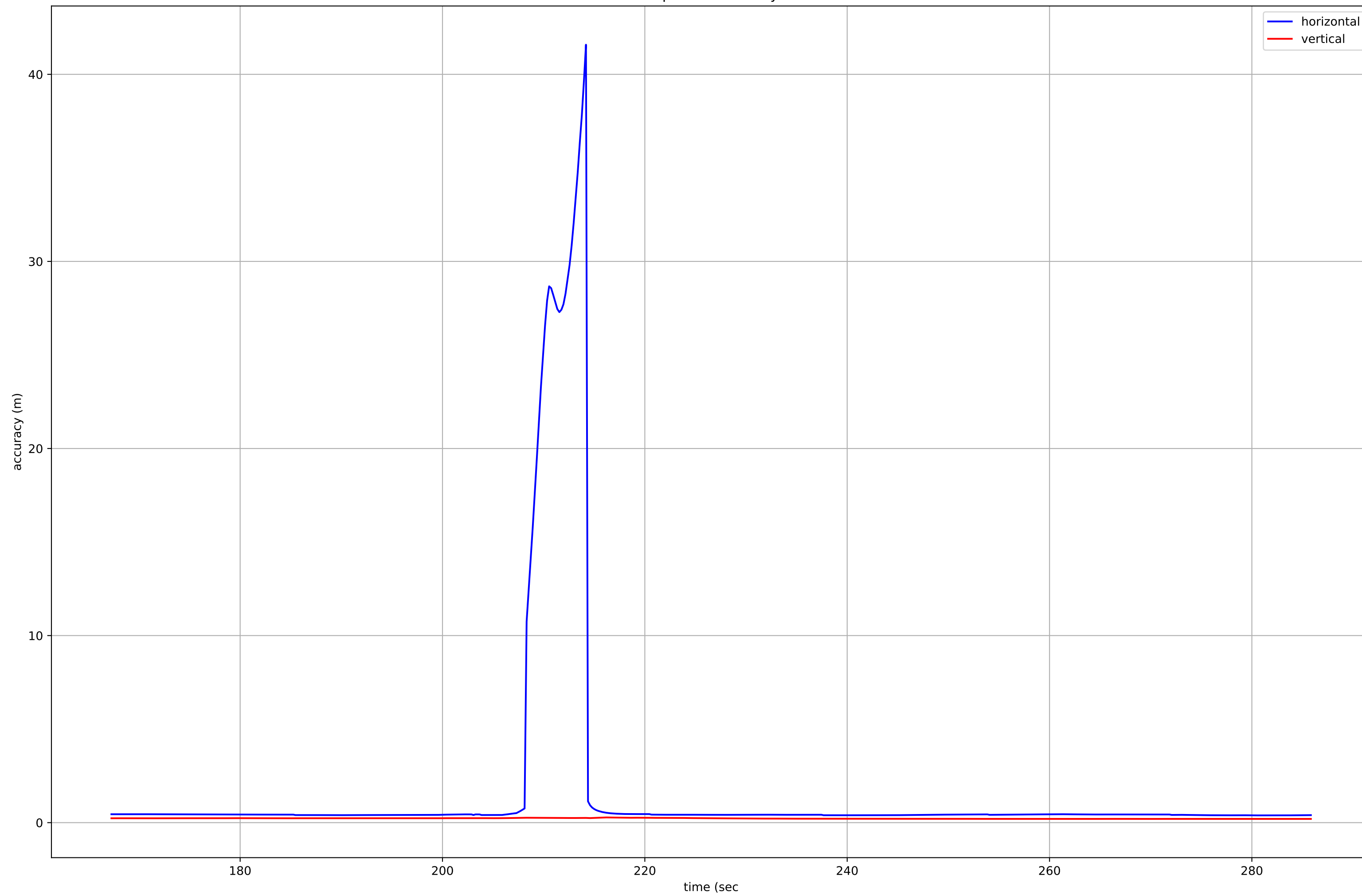
GPS Direct Output Check Failures



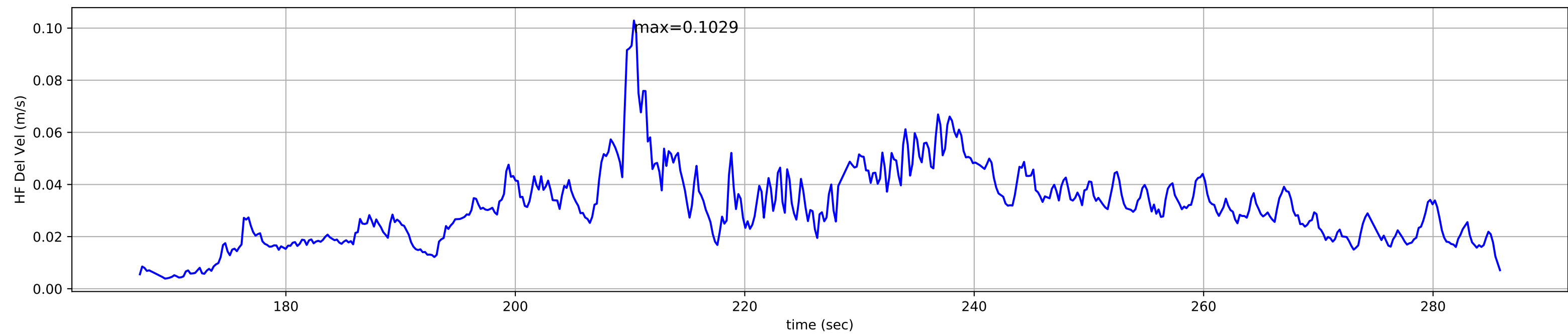
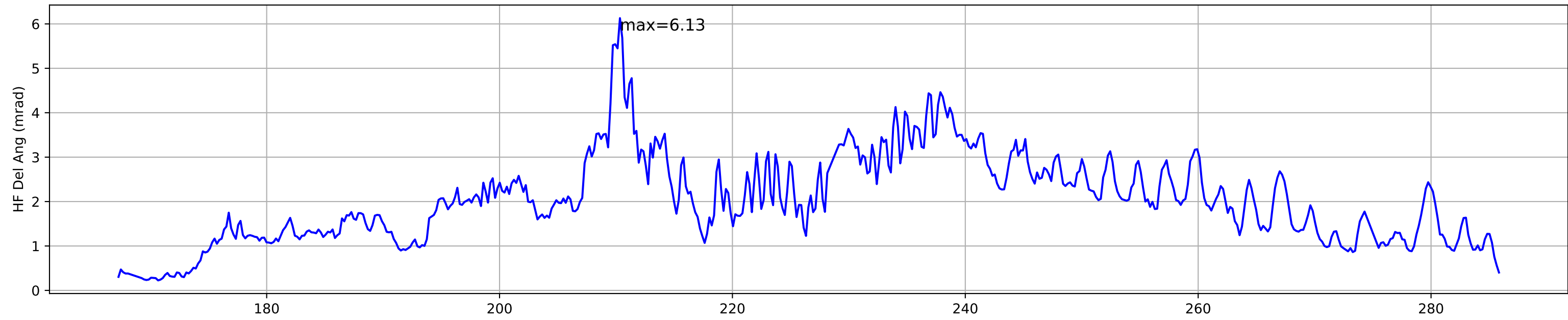
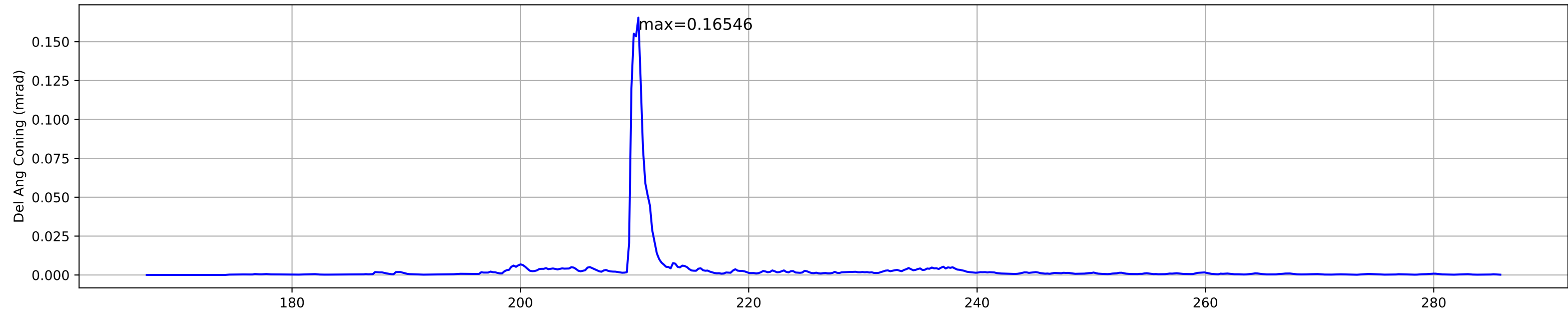
GPS Derived Output Check Failures



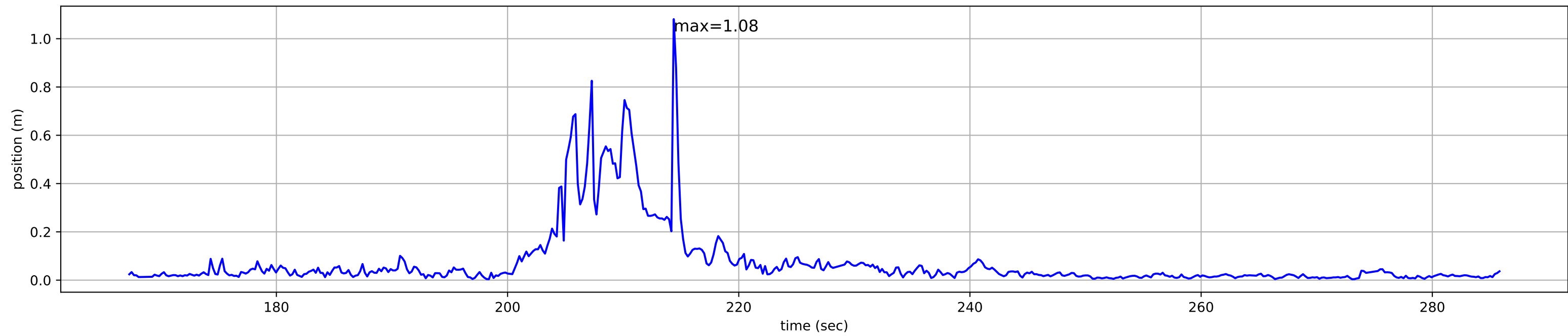
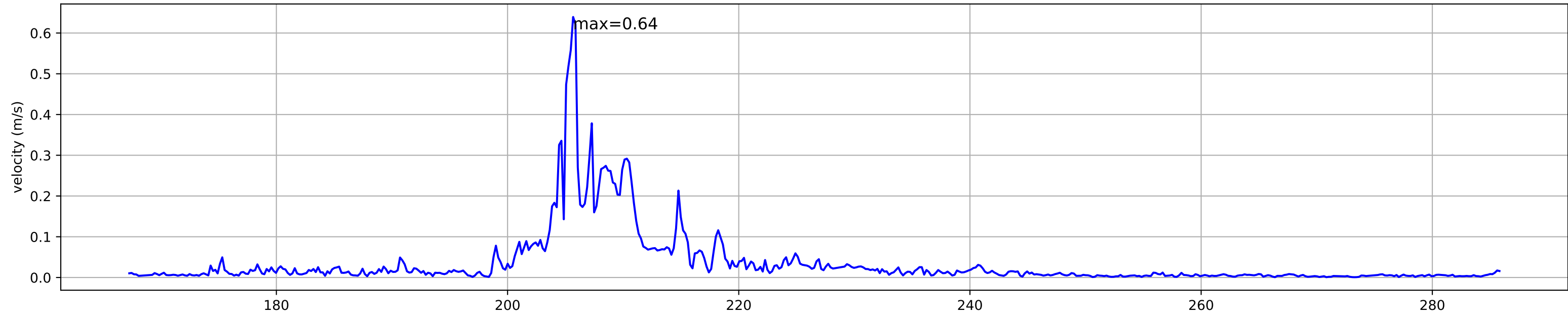
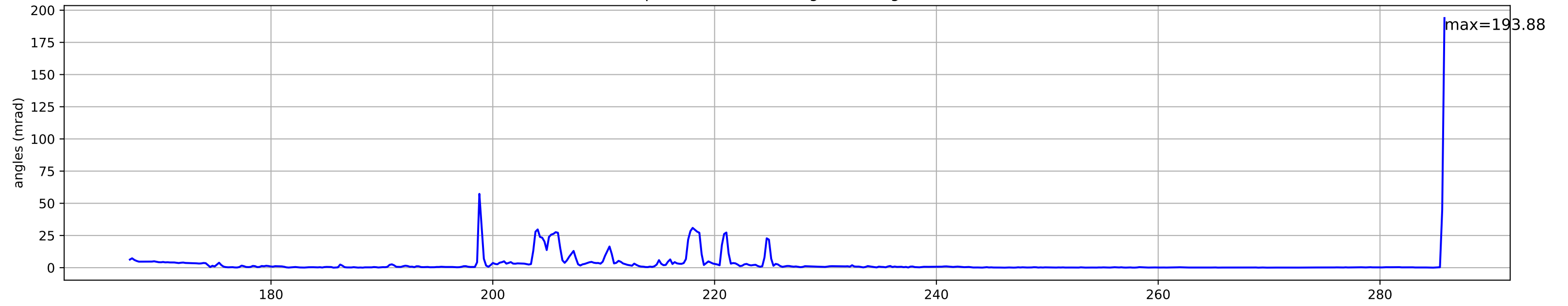
Reported Accuracy



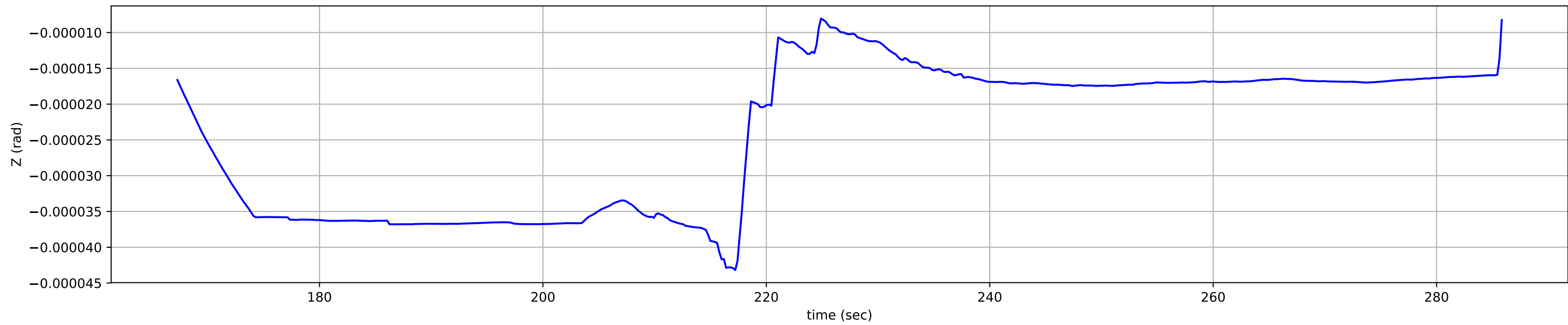
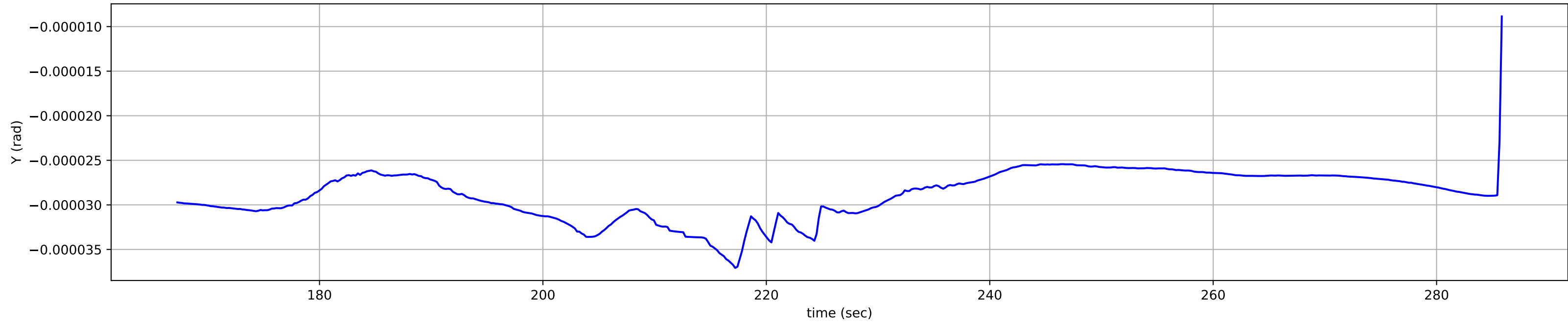
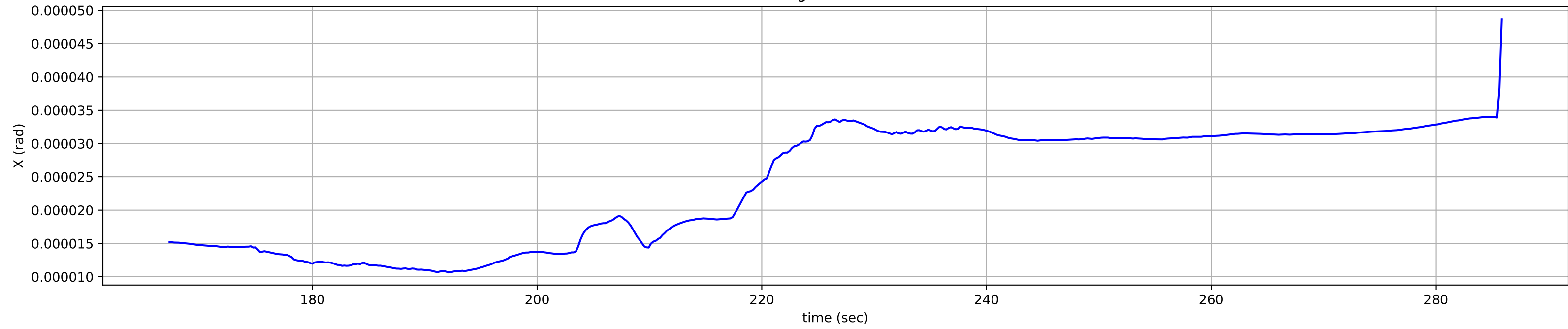
IMU Vibration Metrics



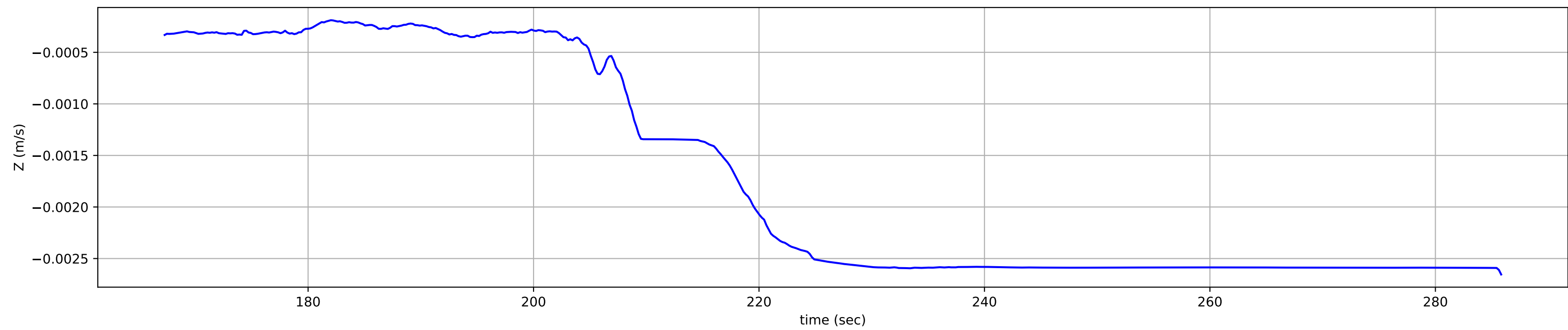
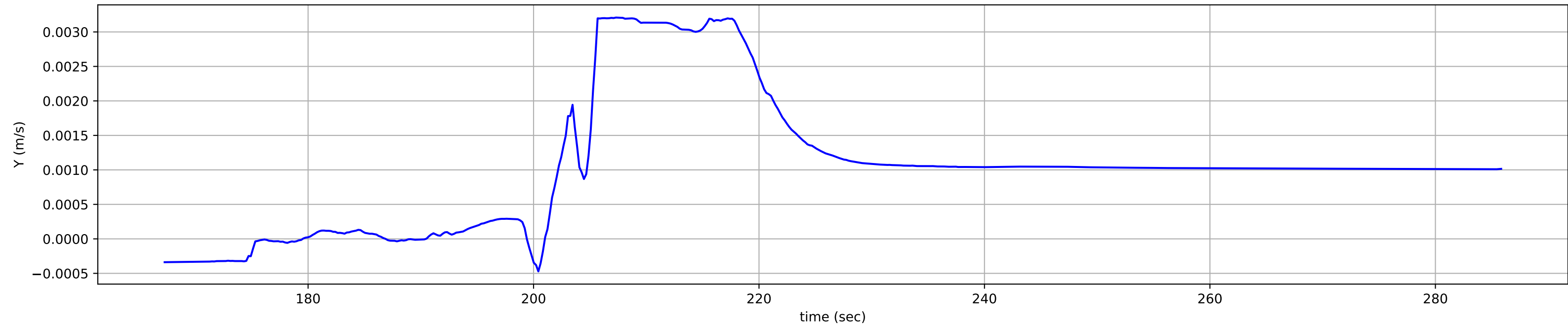
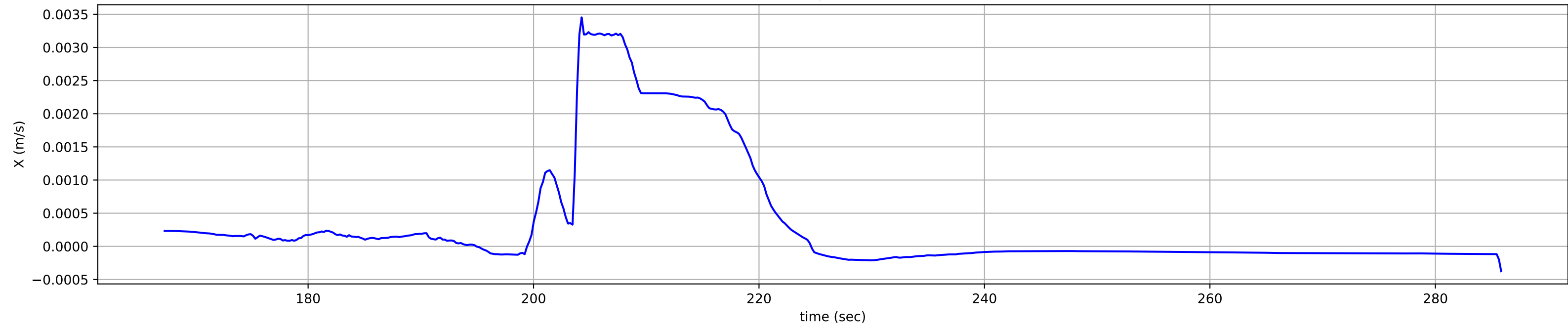
Output Observer Tracking Error Magnitudes



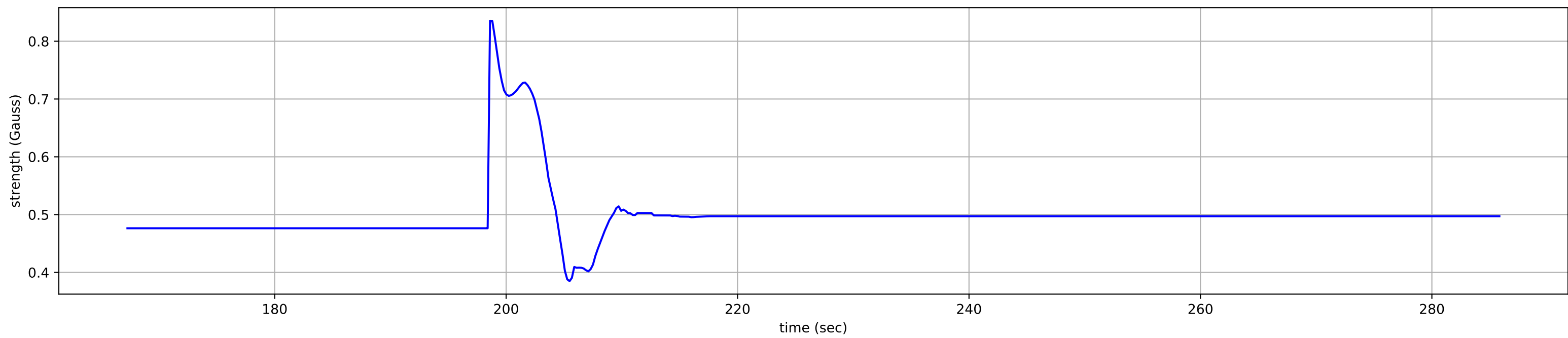
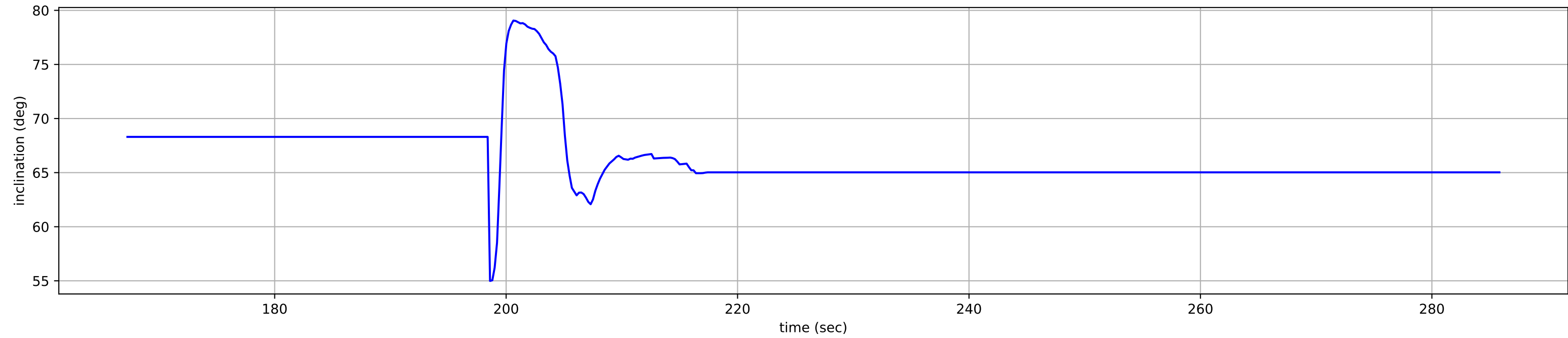
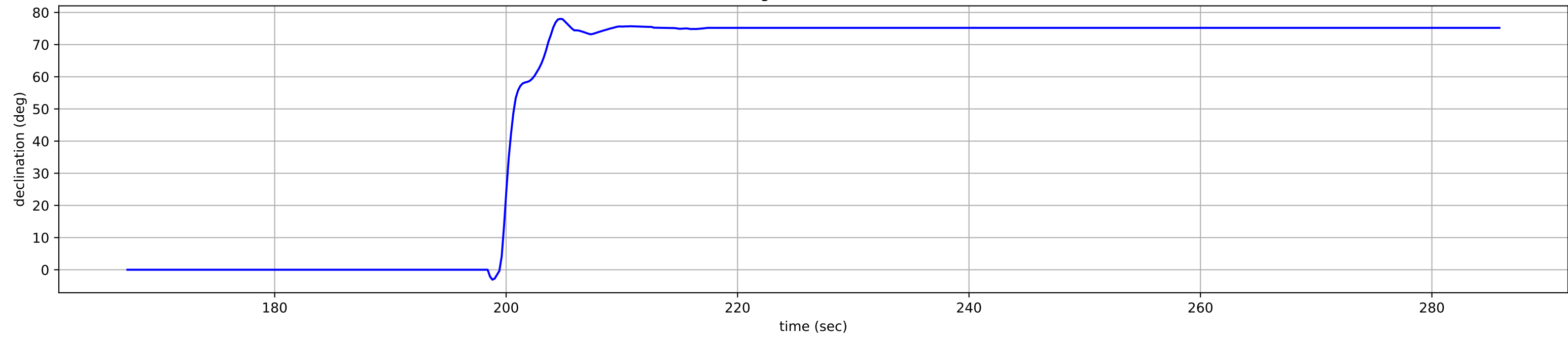
Delta Angle Bias Estimates



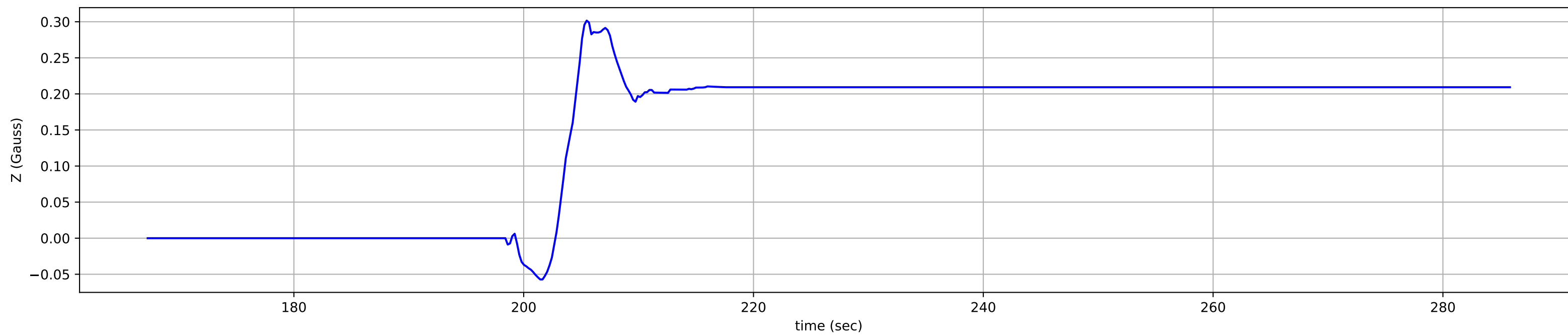
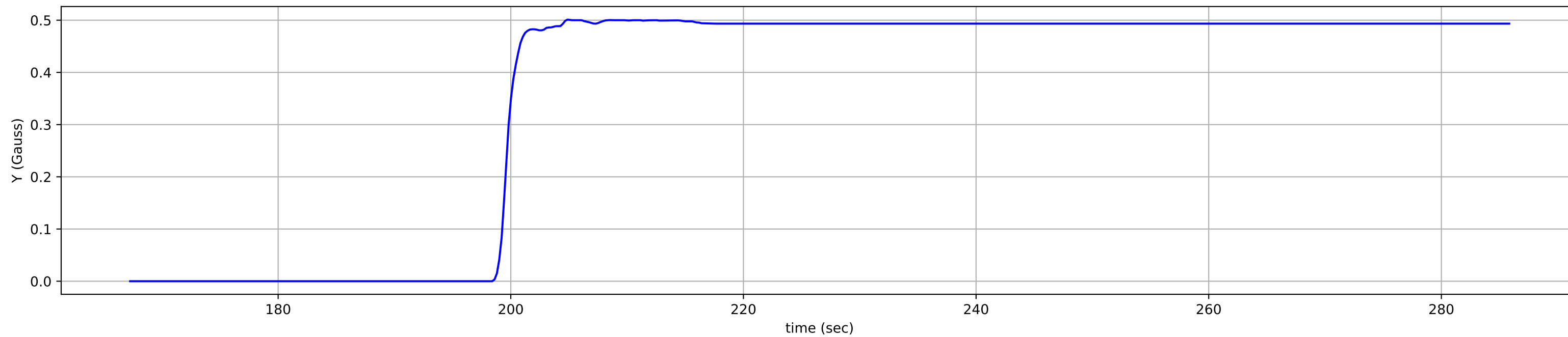
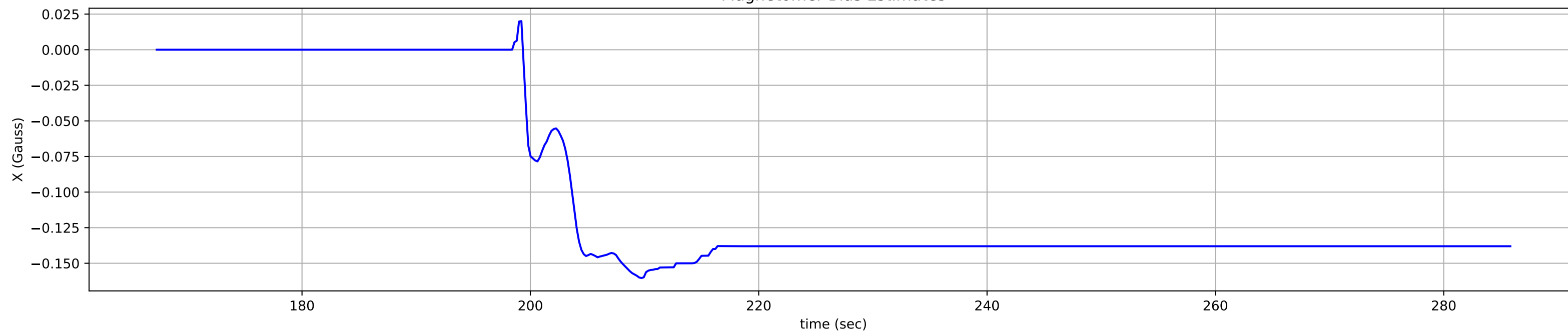
Delta Velocity Bias Estimates



Earth Magnetic Field Estimates



Magnetomer Bias Estimates



Wind Velocity Estimates

