Drone Project Figures

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1 Introduction

This document compiles all drone setup images and data figures from the project.

2 Drone Setup Images

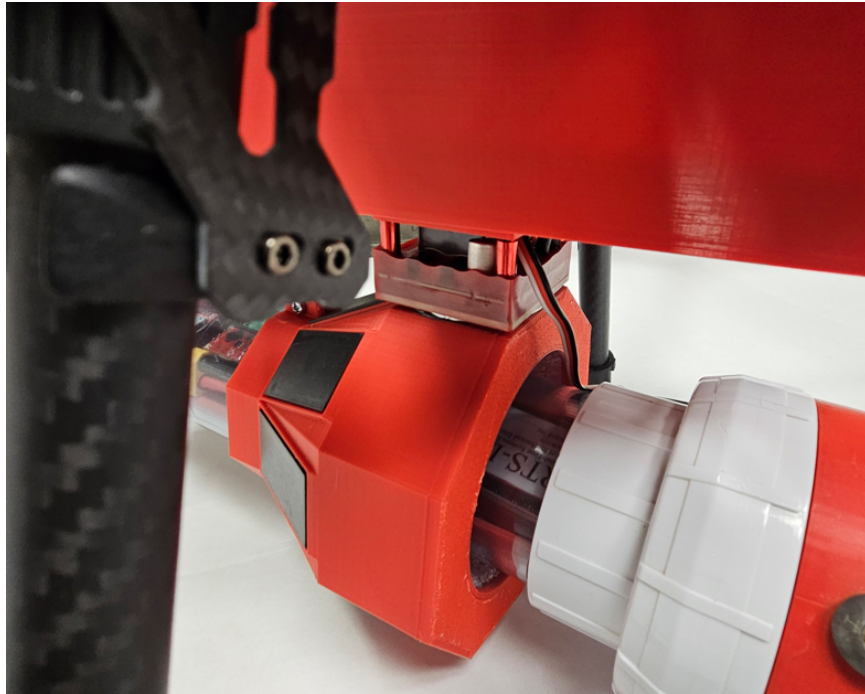Figure 1: Full drone setup showing main frame and propeller configuration.

Figure 2: Close-up of Electro-Permanent Magnet (EPM) attachment.
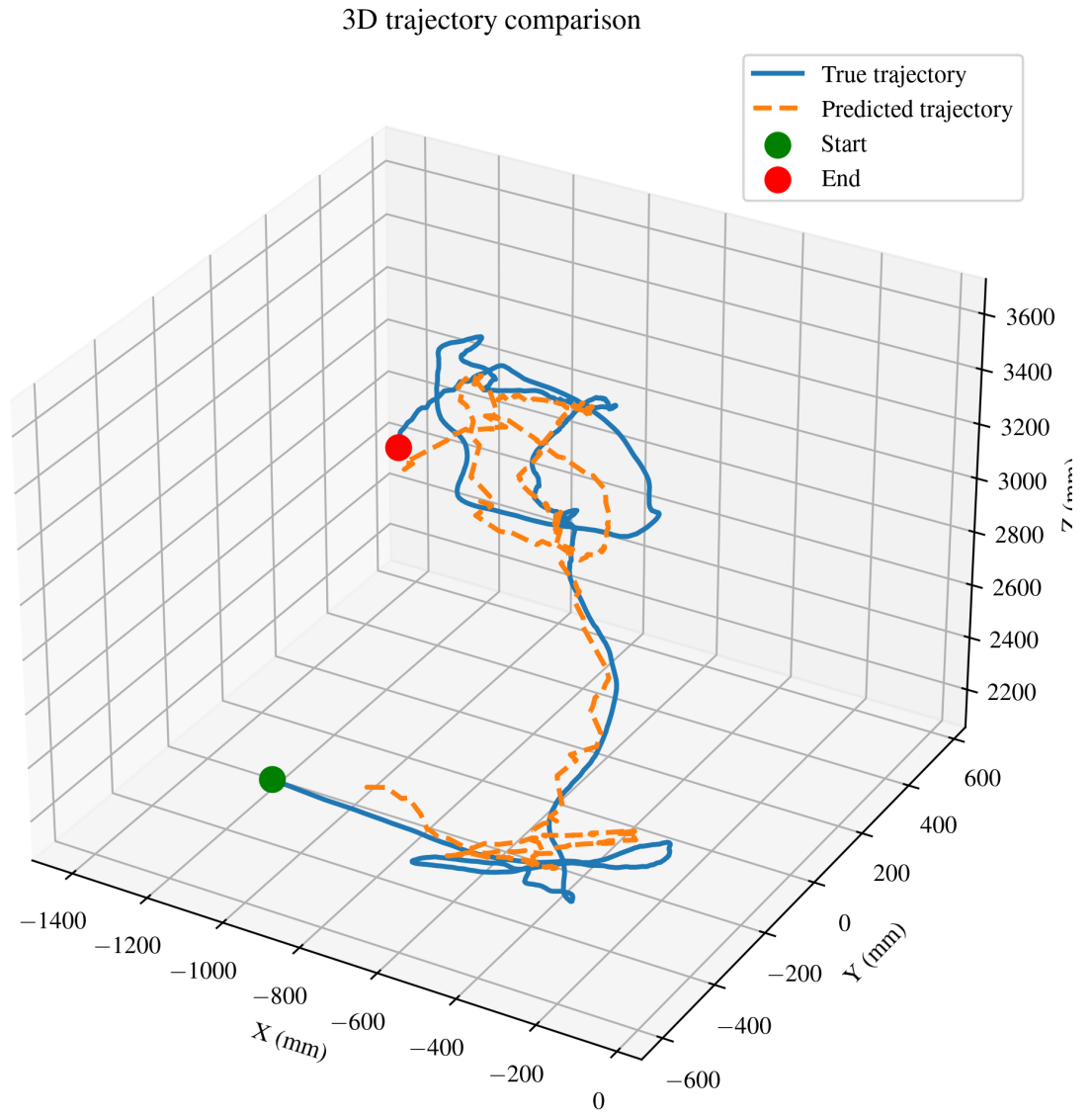
3   Analysis Figures

Figure 3: Comparison of the drone's 3D trajectory, showing predicted and true flight paths.
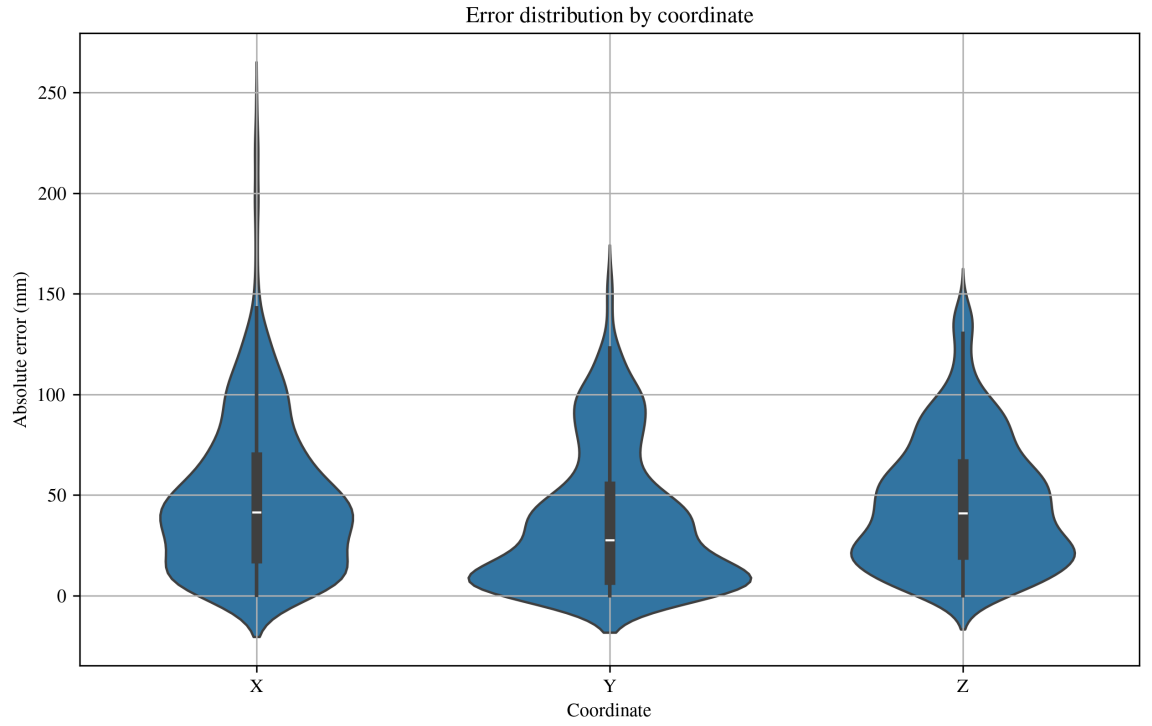
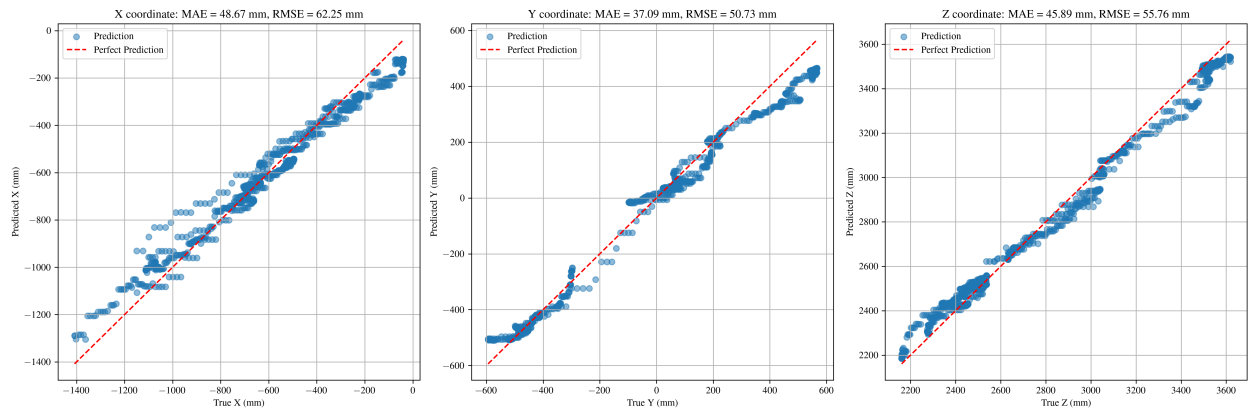Figure 4: Distribution of prediction errors for X, Y, and Z coordinates.

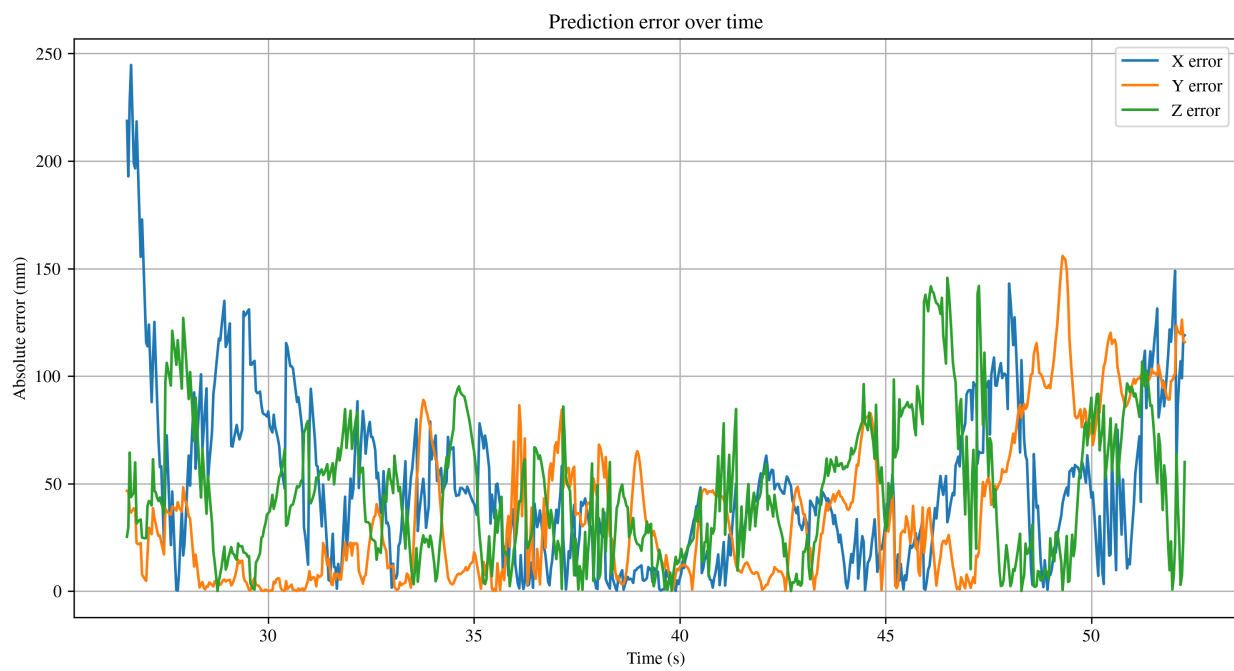Figure 5: Scatter plots visualizing predicted versus true coordinates for X, Y, and Z.

Figure 6: Prediction error visualized over time for each axis (X, Y, Z).