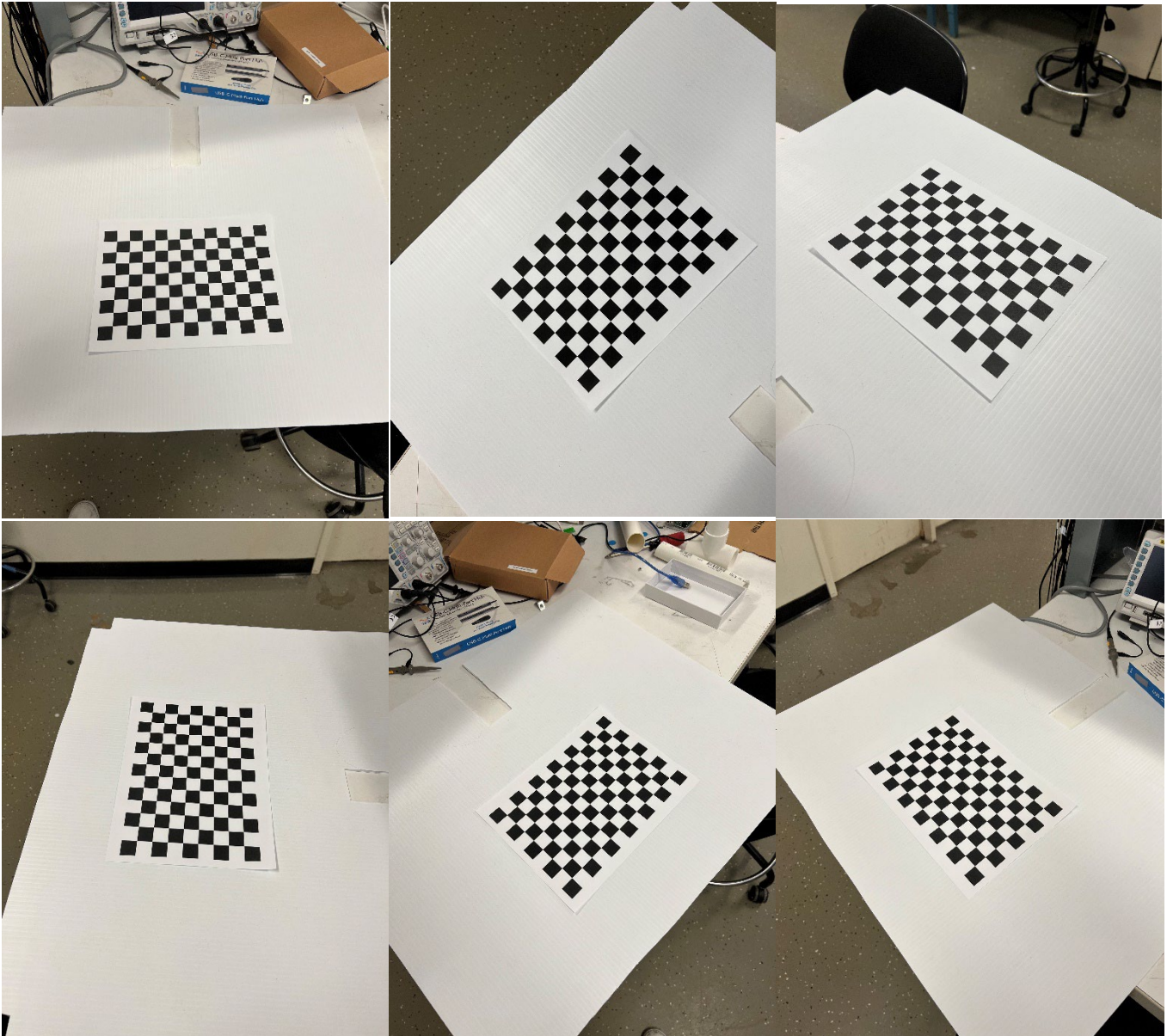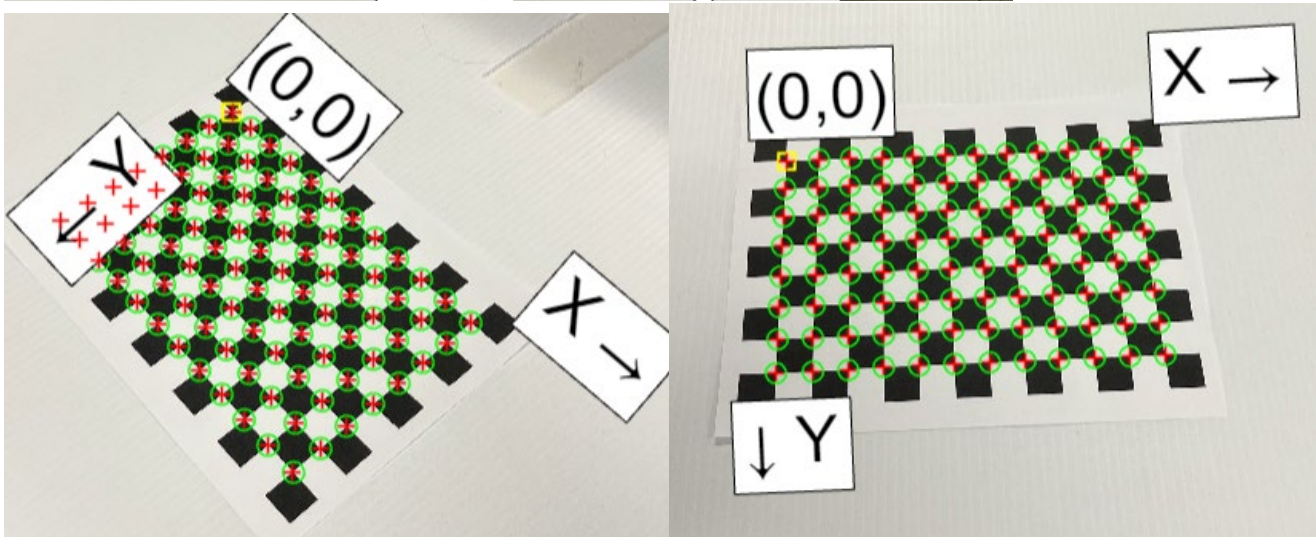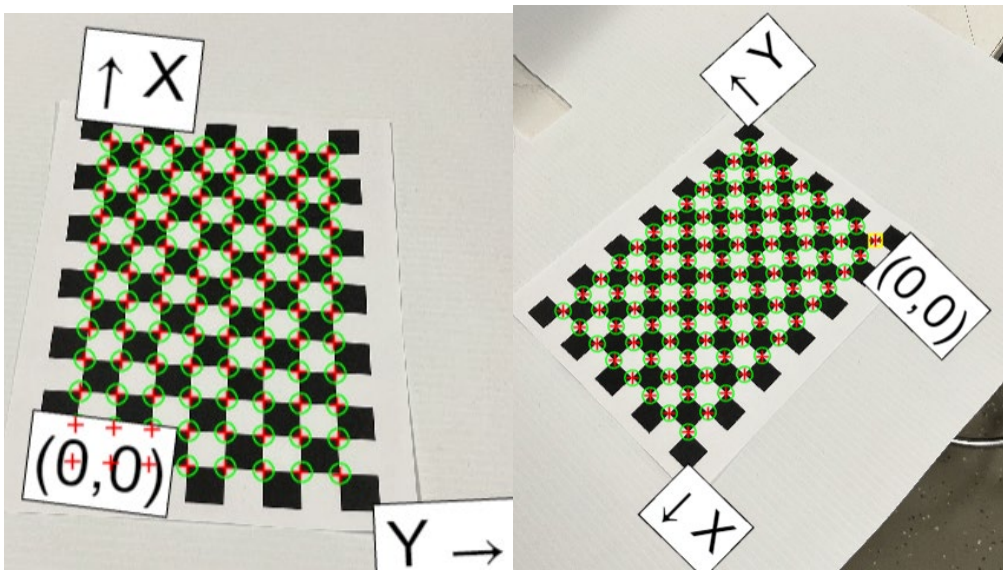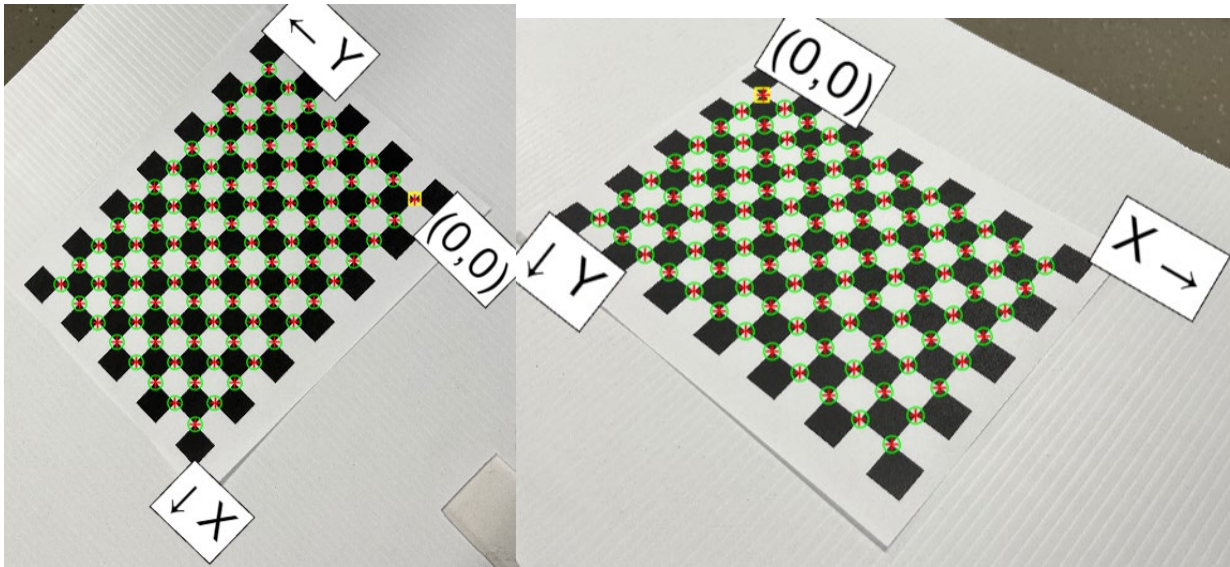# LAB 7 REPORT – Aaron Bruner

The purpose of this lab is to calibrate a camera using the Matlab computer vision application. Using a 30mm square matrix and Matlab we can calibrate the camera. Below are the images that were collected:
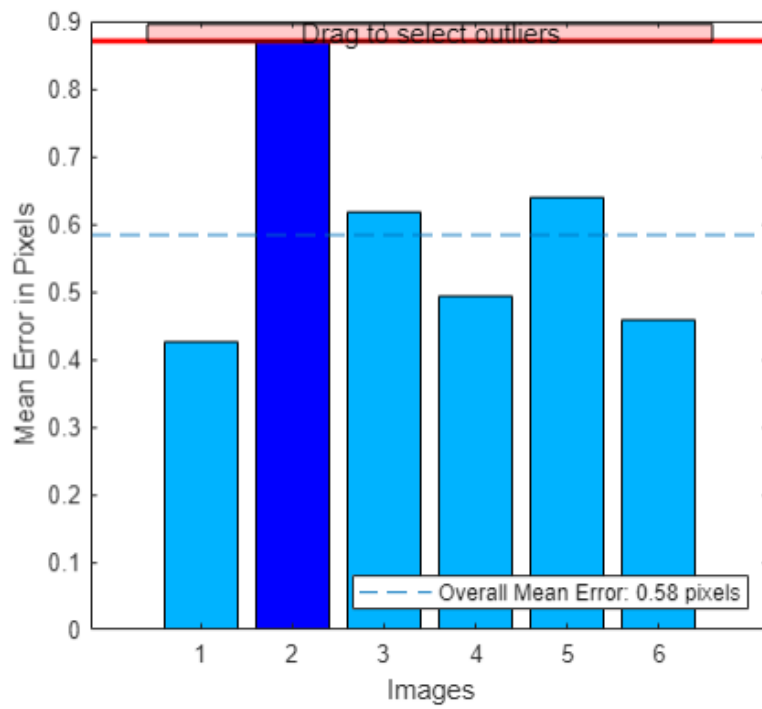
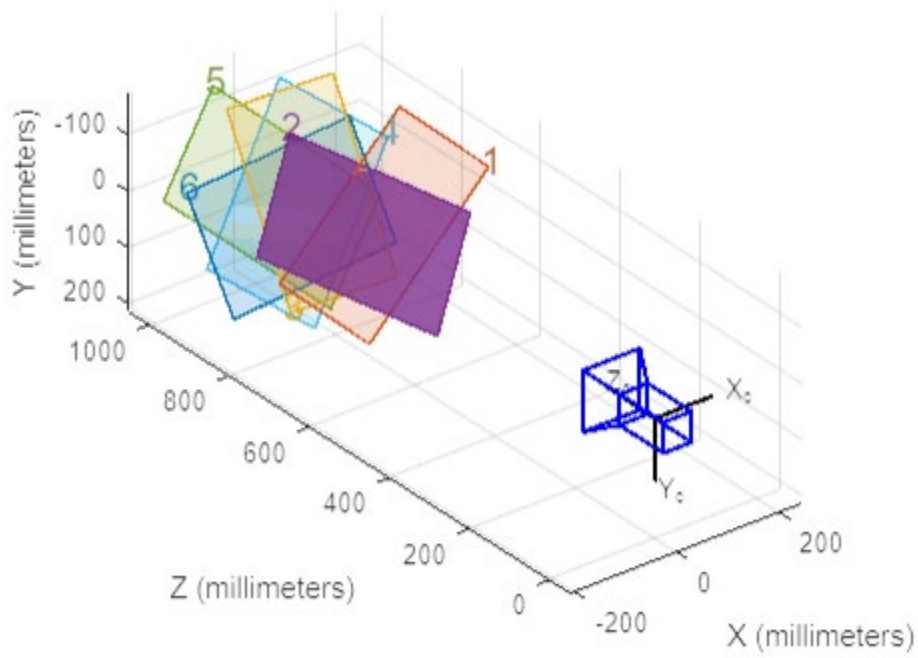After running calibration the following images are collected:

Projection Errors:

Extrinsic Parameter Visualization:

Pattern Centric Visualization:
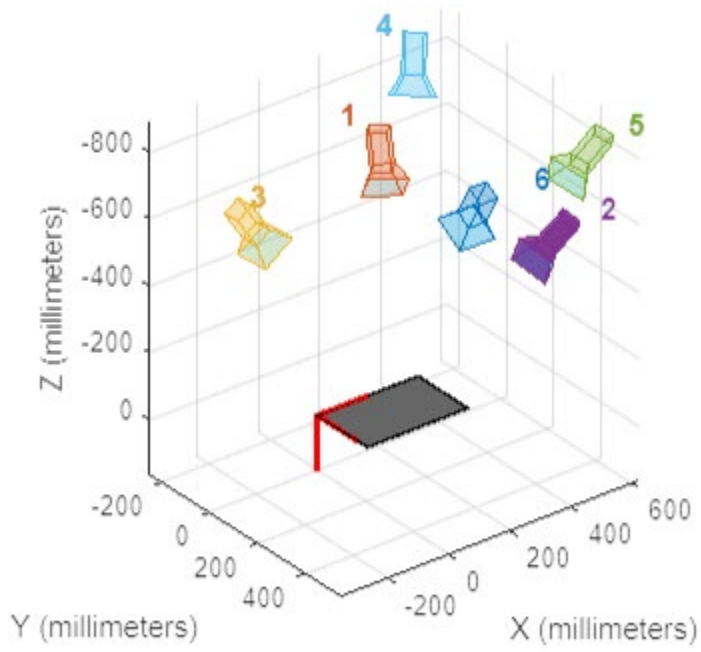
Camera Parameters:

	X	Y	Z
Image 1	224.64	-28.939	730.57
Image 2	-72.5344	-159.1954	822.4587
Image 3	-107.9774	126.9927	775.4716
Image 4	215.0745	5.4299	945.9497
Image 5	-41.3533	-127.2435	1054.4
Image 6	-179.3163	-35.9867	943.6473