Data

Each section in this document is titled the baselength of the corresponding stereoscopic setup. Contained in each section are the distances fromthe camera to the buoy.

Note: I took multiple captures at each distance for each camera and selected one. I may have pruned away images that don't match up. If you find any images that don't seem to line up properly for a given distance, please let me know their filenames and I will correct the data in the Google Drive and update this document with the names of the images to change.

I also had difficulty deciding which image to use for some of the images taken with baselenghts 12 and 18 inches for distances greater than 75 yards. Some distances may be duplicated and others may be omitted. Again, let me know if you find any mistakes.

Image Alignment

The left (cam_1_*) and right (cam_2_*) images are not perfectly aligned in any of the datasets. I did my best to align them but my test setup was not very good.

- Potential Approaches to fix this issue:
    - Ignore it. It is possible the magnitude of the error is small enough that it will not be an issue.
    - Rotate one image and crop to align them on a far object (such as one of the buildings). This has issued because it could introduce aliasing to the final rotated image,

6 in

5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 70, 80 yards

12 in

From 5 yards to 110 yards every 5 yards.

18 in

From 5 yards to 110 yards every 5 yards