

# Dronezz

## description

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### Data

The images for this project were collected using a commercial Parrot Anafi quadcopter, utilizing the onboard color camera and Pix4Dcapture mission planning. Each image was taken at an altitude of 40m resulting in a ground resolution of 1.34 cm/pixel. The area in question spans 79x82m resulting in 54 overlapping images that were combined to form a single image using Pix4Dmapper.

### Histogram Normalized

Histogram normalization was applied to best remove the variation in brightness due to the Sun and clouds. Mission 2 was used as the reference mission for each normalization.

**Bounding Boxes**

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**Anomaly Detection**

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**Heatmaps**

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**Results**

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