RGB Automatic Threshold Program

Imaging team

**Start Date:** September 30, 2014

**Due Date:** October 14, 2014

**Participants & Roles:**

Francis Espiritu Variable Image Implementation

Patrick Thavornkant RGB Thresholding and Data Analysis Proof of Concept

**Introduction:** This program serves as a gateway to the final image analysis program. It is able to take in different crop field images inputted by the user and it then analyzes that crop field image.

**Deliverables:** The final outcome should be a program that serves as a good “shell” for analyzing images. It should be able to properly highlight bad crop fields while simultaneously giving the user pertinent data regarding that field.

**Goals:**

1) Threshold and highlight bad crop fields, make them easy to identify. (9/30/14 – 10/14/14)

2) Export data analysis of the image analyzed. (9/30/14 – 10/14/14)

3) Allow multiple image input from the user. (10/7/14/14-10/14/14)

*Sidenotes:*

*-This program is complete, and can be found on myBox under UAV/Fall 2014/Imaging/UAV\_Imaging\_AlphaStage.rar*

*-Additionally, documentation about the OpenCV Java commands can be found under UAV/Fall 2014/Imaging/OpenCV with Java Commands 9-28-2014.txt*