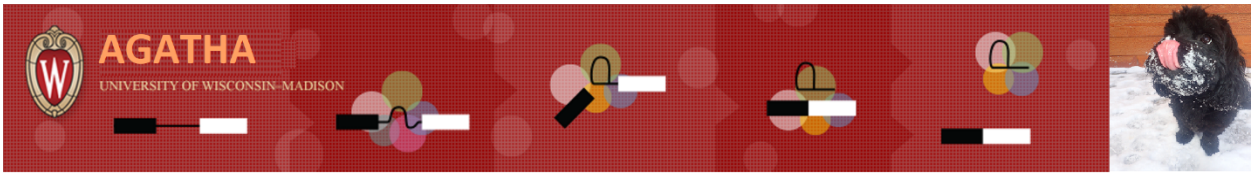
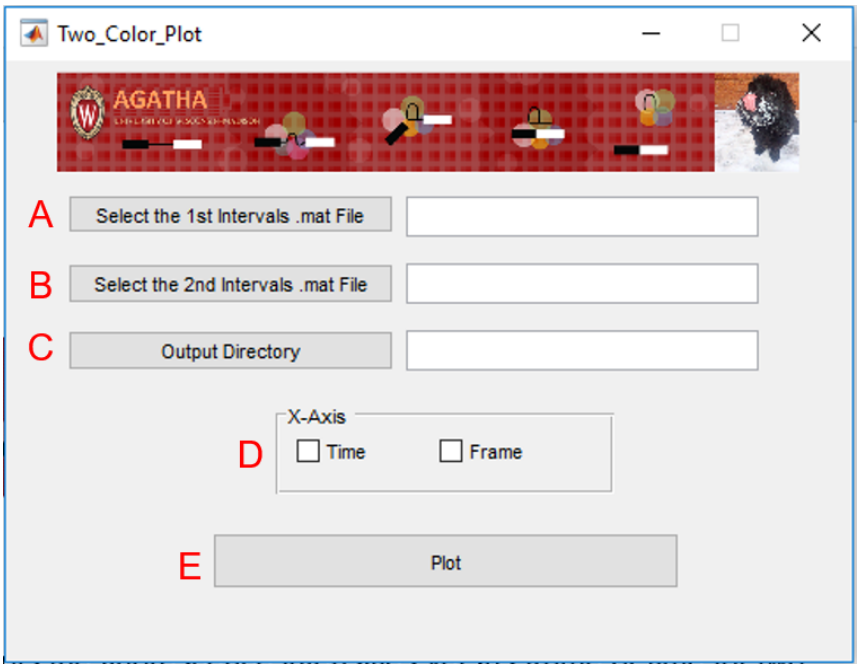


User Manual
Two Color Plot

Abstract: This program plots the fluorescence intensities versus frame or time for two interval files for every matched AOI. It saves the plots (in the output directory) as .fig files with a name corresponding to the AOI number.

Instructions to run the code:

1. Click on the Two Color Plot program and the following GUI will appear on the screen.

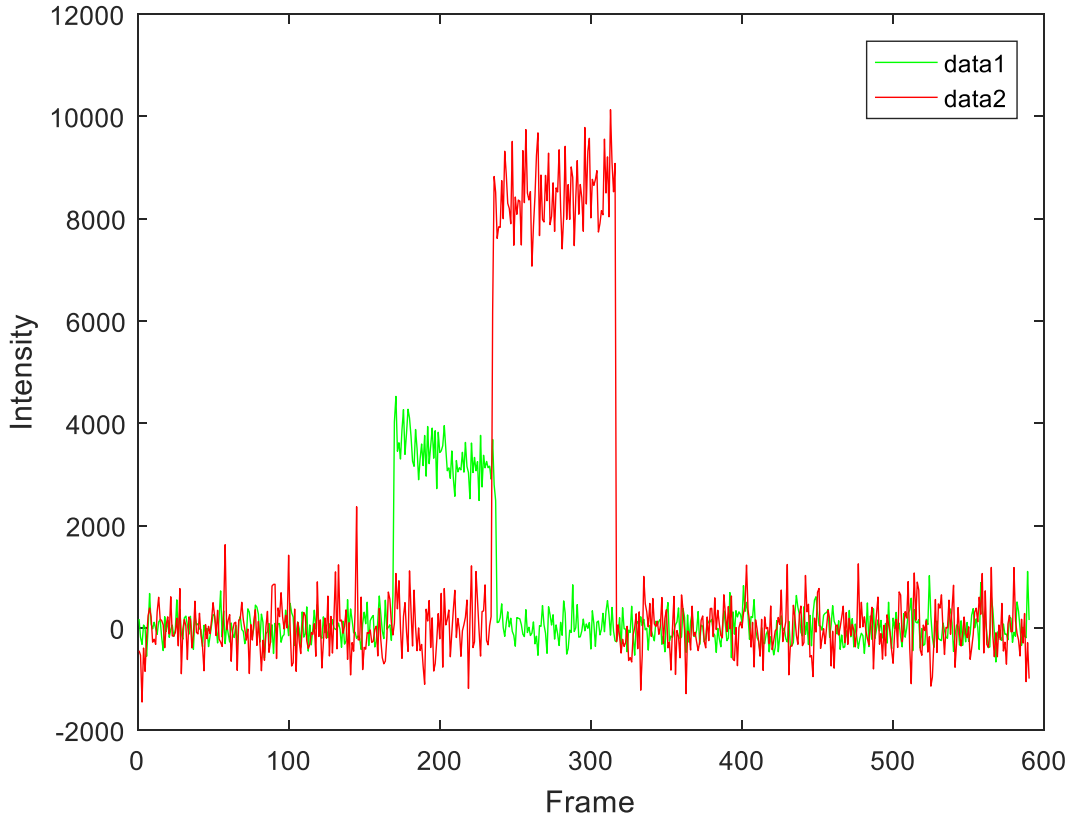


2. Click on the Select the 1st intervals .mat file button to assign the 1st interval file (A in Fig. 1).
3. Click on the Select the 2nd intervals .mat file button to assign the 2nd interval file (B in Fig.1).
4. Click on the Output Directory button to assign an output location (C in Fig. 1).
5. Choose the X axis units (D in Fig. 1).

Choosing Time will give the output plots of the fluorescence intensities versus time in seconds. Choosing Frame, Program will plot the fluorescence intensities versus frame number.

6. Click on the Plot to run (E in Fig.1).
7. Output folder will have the plots saved as Time_ AOI number.fig or Frame_AOI number.fig.

   Example: Plot of LSm8 (green) and NTC (red) fluorescence intensities versus frame number from the same AOI.



Note: To perform all the analysis using these codes make sure you process the Interval analysis using Glimpseloadimscroll. Ensure that same AOIs are evaluated for all colors that will be analyzed with event classification.

1st Input file is assigned green color by default.

2nd Input file is assigned red color by default