

Flowcharts of User Interface Code for EIC DIRC Testing

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A user interface was created for the acceptance tests of the quartz bars for the EIC's DIRC detector, Fig. 1.

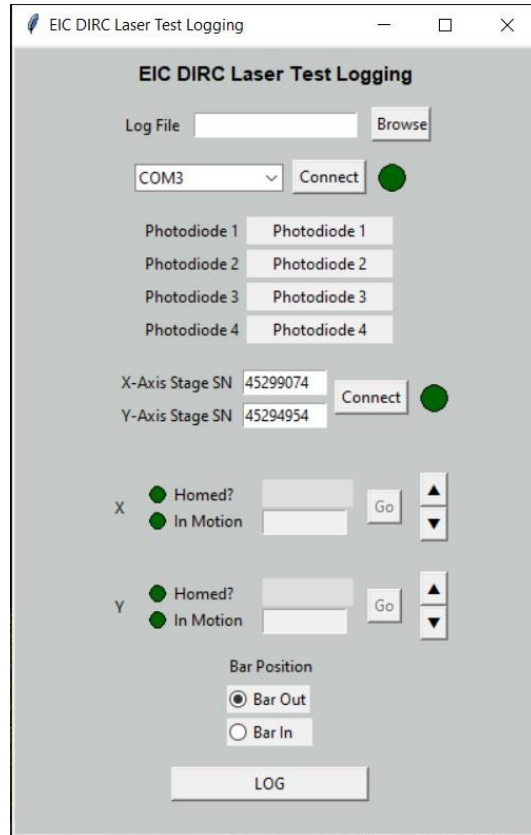


FIG. 1. Screenshot of testing user interface.

- A user interface was created to run acceptance tests of the DIRC quartz bars
- Eight Visio flowcharts were created to document the code of the user interface

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To document the code written for the user interface, and to help understand the code, Visio flowcharts were made, Figs. 2. and 3.

Figure 2 is a flowchart of the entire code, but without details. In this flowchart, each rectangle with vertical lines on the sides, an example in the red circle, indicates a subroutine, for which a separate, more detailed flowchart was made, seven in total. Figure 3 is a flowchart of the subroutine for logging data.

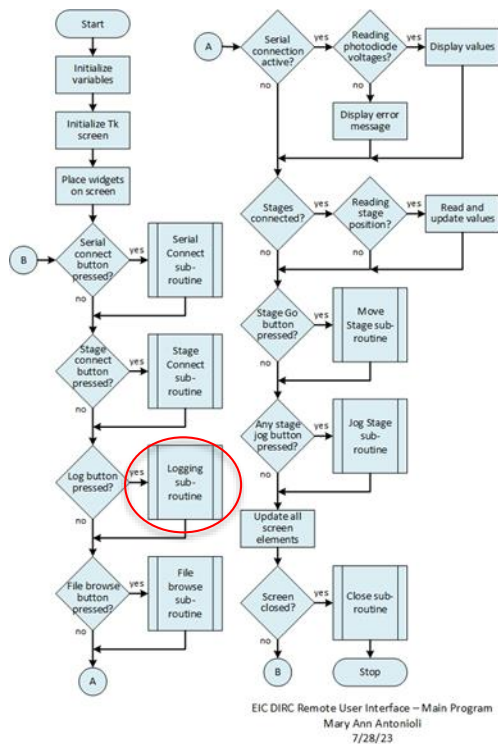


Fig. 2. Flowchart of code for entire program.

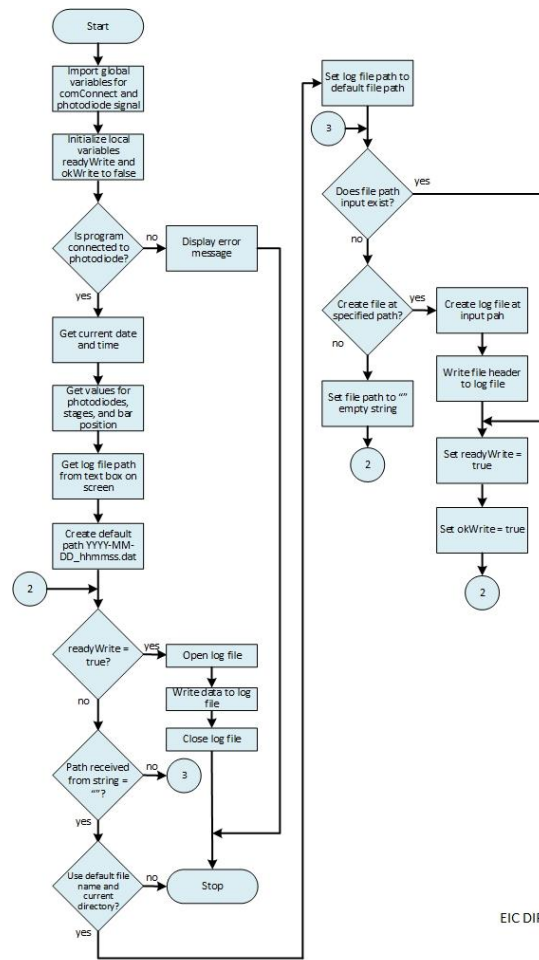


Fig. 3. Flowchart of code for data logging sub-routine.