C:\Documents And Settings\User\Desktop\BurnInStatic\Documentation

0) Boot up the computer to the Desktop. There should be a folder on the desktop called "BurnInStatic". Open it.
   - If this folder is missing, there is a backup copy located at \\Villard\SharedFiles\jtsiao

1) There should be an application titled "burnInMonitor" inside the folder. Launch it.
   - There may be a *.ini* file called "burnInSetup" in the same directory. This is the setup file. It is not required for the program to run.

2) Use the dropdown box to pick the COM port for the Seeeduino.
   - On this machine, the default is COM6.
   - If the button does not respond, restart the program.
   - If the program still cannot detect the Seeeduino, you may need to reinstall the Seeeduino burn-in firmware. See "burnInSeeeduino.pdf" in the folder BurnInStatic\Documentation.

3) If a valid setup file exists, click the first button. Otherwise, enter parameters manually with the second button.
   - For help regarding the setup file, click "Help>Restore Setup File."
   - If you enter parameters manually, you must key *Enter* to activate the next box and store the variable.
   - Manually entered parameters supersede parameters from a setup file.
     o If entering manually, all parameters must be manually updated.

4) Click the "Save To Logfile" checkbox to pick a save directory for the logfile.
   - You will be prompted to create the new logfile if it does not exist already.
   - If it does exist already, your data will be appended to the existing file. The existing file will not be overwritten.
   - Two files will be created in the directory you specify:
     o "Burn_Logfile_[date].csv" logs data for every board
     o "Burn_Logfile_[date]_ErrorLog.csv" logs data only for the boards that failed

5) Click the "Choose Boards" button and select which boards you wish to monitor.

6) You can enter a number into the "Diagnostic" box to verify board connectivity and program functionality.
   - This step is optional.
   - Be sure to key *Enter* to store the input and activate the button.

7) Now click "Start" to begin monitoring. The bottom status bar will display timing information.
   - Once monitoring is started, you must use "Stop" to discontinue monitoring before closing the program.
   - Once the timing interval has expired, the panel will briefly display "*Collecting Results*" as the COM port collects the data. You should not click the "Stop" button during this time, or it may create a COM port error.
   - Use the "Force Read" button to invoke the power of The Force and perform a read immediately.

8) You can use the radio buttons to choose which results are visible in the panel.
   - Regardless of the radio button chosen, all results are stored in the logfiles.

- The program is designed to prevent data loss in the event of a program crash or freeze.

- Note that the program cannot detect a cable/connection problem beyond the COM port. The program communicates only with the Seeeduino and requires that the static burn-in monitoring station be set up correctly. See the pictures and block diagram in the folder BurnInStatic\Documentation.

- When turning off or restarting the computer, disconnect the Seeeduino to avoid firmware errors. Upon successful restart, reconnect the Seeeduino before launching the program.

- When monitoring is in progress, do not open or edit the logfiles. This can cause permission/access conflicts and may result in a crash.

- The colors in the panel tell you how the board is doing.
   o These numbers can be changed in the setup file, but cannot be specified manually.
     ▪ Green boards are passing (< 5% deviation past the bounds)
     ▪ Yellow boards are just barely failing (between 5% and 10% past the bounds)
     ▪ Red boards are failing hardcore (> 10% past the bounds)