L 16 temperature characterization software

This software is designed to characterize L16 camera under different temperature conditions.

In order to run the program

Requirements:

1. Python 2.7 64 bit
2. ADB android
3. L16.py
4. GUI\_L16.py
5. Adbandroid folder
6. Above 2 files and adbfandroid folder need to be same location
7. Android device drivers

How to run:

1. Click on run.bat file
2. On open GUI input required sequence.

Example 20:40,20:5p

Where 20 is target temperature 40 is active cycle

Next 20 is target temperature 5p -5 min pause

1. For easy to use create your own sequence in paste (CTRL V) to GUI input field
2. On active cycle program measures SOC, asic temp, voltage, power consumption and records on csv file, after each cycle it will save on user desktop directory with 2 log files (ASIC logs and android OS logs (logcat))
3. It set to filter by FATAL and error keywords
4. You can run multiple units:

When system detects more than one unit it will ask you to select device 1 or 2 or so on

1. After test done you can open plot
2. At this version temperature chamber need to be set separately, program will not talk with chamber