Simulation 2 is to demonstrate the setting of the specific time to take a measurement and some of the options of the terminal interface. During setup, the period of the measurements is set to 1000ms or 1sec. and the time to run is set to 50sec. Then, a time of 7500ms is specified for a measurement to occur. Finally, the .csv file is selected for output. This setup may be viewed in the Simulation 1 Setup text file.

In the Simulation 1 Terminal text file, it may be seen that I begin by selecting option 4 to view the data collection. From this, it may be seen that the temperature measurements are coming in at the specified period and that a measurement is taken at the specified time (timestamped 7504.856ms).

Then, to demonstrate the pause option, I select option 1 and then option 4 the show that the data collection has paused. Then, I select option 1 to unpause data collection and then option 4 show the data collection has resumed.

Next, to demonstrate the flagging of data points, I select option 3 three times to flag three points. Lastly, I select option 4 to view the remainder of the data collection until the data collection has completed.

In the data.csv file, it can be seen that data collection is consistant at a 1sec period. It can also be seen that three measurements are flagged and that data collection lasts 50secs.