# Job Description

Process  
PLC controller -each day-> A Roaster Scope -> graphs

**NEEDED**A separate text file for each roast.

Our coffee roast has a PLC controller for Red Lion.

This **unit** logs all data and current settings of the roaster every 5 seconds and puts out 1 file **for each day** we operate the machine.

So it spits out a lot of data off which we only need a few things.

The **program** I want to use is Artisan Roaster Scope.

It's free and pretty popular with coffee roasters.

The program can **import** a CSV file with a certain format and then shows the temperature graph of the roast and do some calculations for you.

You can even store cupping data with the Artisan program.

I have been able to manually convert these files but it is very time consuming.

What I need is a separate text file for each roast.

I hope it can be done in Python so that in future if some small changes need to be made it won't be a to specific program that only a handful of people know.

It does not have to be a very advanced user interface either.

# File List

The attachments

17101200.csv

Is a file as it comes from the roaster.

Roast #1.csv

Roast #1-1.csv

Roast #1-2.csv

Are files that can be imported in Artisan

https://artisan-roasterscope.blogspot.com/

This is a link to the Artisan program

https://github.com/artisan-roaster-scope/artisan/releases/tag/v1.1.0

This is a link to the download page.

Roasts file

(time can be created by incrementing by 5s, and resetting to 0 when equal to 60, then incrementing the minute.

Time1 starts at 00:00

Time2 is