Task description

In the attached archive, there are two specific types of CSV files – so-called "LP" and "TOU" files. Write a console program that will:

1. Read CSV files, set the file path configurable so the program can read any "LP" and "TOU" files;
2. For each file, calculate the median value using a) the "Data Value" column for the "LP" file type or b) or the "Energy" column for the "TOU" file type;
3. Find values that are 20% above or below the median;
4. Print any abnormal values found to the console using the following format:

    {file name} {datetime} {value} {median value}

    Note: to get {datetime} use "Date/Time" column in csv file (for both file types).

What we would like to see in your solution:

1. Appropriate object oriented approach.
2. Clear, decoupled, appropriately idiomatic code.
3. Some basic tests.

Things to look out for & further questions:

[You may not necessarily actually implement this, but these are things to consider and perhaps comment on as part of your response]

1. Your program structure should ideally allow easy adding of new processors.
2. What happens if the file size is huge (1 GB+)?