Gavia Image Processing Using Python and QGIS

**Python**

* Copy \*.py script in folder with images
* Copy "exiftool.exe" in folder with \*.py and images
* Open Spyder, drag and drop \*.py into left window
* Alter file path and save folder, ensuring “\\” at the end of each
* Select type of image enhancement, “CLAHE” or “AverageSubtraction”
* Run script

**QGIS**

* Open QGIS and create new project, ensuring CRS is WGS84
* “Data Source Manager / Delimited text” as below:

Graphical user interface, text, application, email

Description automatically generated

* Right click on new “coords” layer and select “properties”
* Complete the “Attributes Form” as below:

A screenshot of a computer

Description automatically generated

* N.B. You can set the size of image to be viewed here. Max resolution of the original image is 1280 x 960, so half that is maybe a good start.
* Select a point in QGIS using “Identify Features” button : 
* In the identify Results tab, click on settings and select “Auto open form for single feature results”