# GaviaSciTools

## GitHub

<https://github.com/LewisDrysdale/GaviaSciTools/tree/main/notebooks>

## 1. Read image metadata to CSV file

### 1.1 Using Python in Jupyter notebooks

Open GaviaSciTools/notebooks/005-read-image-metadata.ipynb

1. Change filenames according to where data are kept.
2. Run process. If there are preexisting files, these will not be overwritten

1.2 Using QGIS

(https://gis.stackexchange.com/questions/421467/not-geotagged-photos-in-qgis)

1. Create a point layer of the locations with the file path of the desired images as an attribute.
2. Select the Raster Image Marker for the Symbol layer type
3. Click the Data defined override button and choose EditEnter an expression like this, where path is the name of the attribute column holding the image file paths. file:/// must be prepended to the file path.

'file:///' || "path"

Photos are displayed in the map canvas