SIRIL Workflow

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Steps taken during the YouTube video
Astrophotography Image Processing - Easiest and Best Method
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Preparation - Files and folder structure:

- Use DNG, RAW or FITS as your source files
- Use a working folder on a fast (SSD) drive to speed up processing
- Copy files from image data to this fast folder
- Folders used:

Biases	Used to hold **Bias** pictures
Darks	Used to hold **Dark** frames
Flats	Used to hold **Flat** frames
Lights	Used to hold **image** data

Once all files are loaded into folders, we start Sril and start processing. These are the Workflow Sequence steps:

Choose the right script for the pre-processing:

- In the command line window type the following to configure Siril to access your work folders set up above

```
cd <drive>:\path\to\your\work\folders
```

Then execute a script to process the registration and stacking steps:

- Usually **Scripts --> OSC_Preprocessing**
- Choose **Scripts --> OSC_Preprocessing_WithoutDBF** if no flats/bias

Carry out image processing:

- Open **result.fits** from the same folder as the folders used above
- Set view mode to **Autostretch** to get a starter view

Step One - Colour calibrate

- Select **Image processing --> Colour Calibration**
- In (say) Blue window, drag a small box where there are no stars
- In the **Colour Calibration** window click on **Use Current Selection**
- Then click **Background Neutralisation**
- Then select (drag a box) somewhere bright in the image
- In the **Colour Calibration** window click on the lower **Use Current Selection** and click **Apply.**

Step Two - Remove Green Noise (use defaults)

- Select **Image processing --> Remove Green Noise**
- Click **Apply**

Step Three - Stretch the image

- Select **Image processing --> Histagram Transformation…**
- Click the **cog/curve button** (Autostretch) and click **Apply**
- Darken it a bit by **Image processing --> Asinh Transformation…**
- Slide **Black Point** all the way right (value 0.20000) and click **Apply**

Step Four - Vignetting correction

- Crop image to a suitable size
- Select **Image processing --> Background Extraction…**
- Leave **Degree order** at 4, reduce **Samples per line** to 15 and click on **Generate**
- Adjust **tolerance / remove (right-click)** on the samples **-** you don't want samples on your target and ideally, not on stars either.

Step Five - Final corrections (if required)

- Darken it a bit by **Image processing --> Asinh Transformation…**
- Slide **Black Point** half way right (value 0.10000) and click **Apply**
- Adjust **Saturation** as required

Step Six - save the file

- Top row, near right hand side, select downarrow to right of **Save**
- Navigate to a folder and provide a new name for the processed image