



Astrophotography Practice Files: Triangulum Galaxy (M33)

Introduction

This is a set of practice files for stacked deep sky astrophotography post-processing.

Included is the source data for stacking in calibrated FIT format. This particular data was gathered with with monochrome filters, and can be stacked to create an LRGB composition.

An Affinity Photo document file is also included, so you can fully explore the non-destructive layer stack—you can hide, show and manipulate layers and see how they all contribute to the final result.

Many of the non-destructive techniques used are as a result of my Astrophotography Macros for Affinity Photo. You can download them for free from my website: <https://jamesritson.co.uk/resources.html>

Layers are colour coded:

- Pixel layers, such as greyscale/colour data.
- Adjustment layers, used to modify tones and perform tone stretching.
- Live filter layers, used to apply various filter effects non-destructively.
- Vector layers, such as gradient fills used to remove background colour casts.
- Merged/created pixel layers, such as tone stretched or retouching layers.
- Adjustment layers operating non-destructively in a different colour space (e.g. LAB).

Thank you for downloading, and I hope this example gives you some good ideas for editing your own astrophotography images in Affinity Photo!

Installation

1. Extract all files from the ZIP to a directory of your choice.
2. If you wish to stack the original data, you can find it in the *M33 Triangulum Galaxy Data* folder.
3. To view the .aphoto document and see the non-destructive workflow, you will require Affinity Photo.
If you do not have the app, you can download a free trial from <https://affinity.serif.com/photo/#buy>

Credits

Editing by James Ritson. Data obtained using iTelescope remote telescope services.

