



M63 - Sunflower Galaxy

4/23/2003

Bowling Green, Ohio

Conditions: rural, slight light pollution, no wind, slight turbulence, no moon, no dew, low 40's

Meade LX-90 8 inch sct in Polar alignment mode

3.3 focal reducer

StellaCam-EX:

2X Zoom

128X sense-up, gain at 8 out of 9

Capture off video tape onto HP ze5185 notebook using Video Capture Essentials with no interleaving as 299 image sequence @ 1 per second with brightness at 40%, contrast at 90%.

Make "M63_042303_0_avg299autoregxFFcorV2chr_cln_proc2":

Registax Processing:

Average 299 images using auto-optimal alignment and stacking

AstroArt 2.0 Processing:

Make "Chris" flatfield and Gauss smooth with sigma = 15

Divide original by flatfield

Adobe Photo-deluxe Home Edition 4.0 Processing:

Clone out hot pixel streaks

AstroArt 2.0 Processing: (read in .bmp version)

Rotate 315 degrees

Convolution using Gaussian psf with sigma = 2.0, level = 40

Histogram: 0 min, 255 max, log 4

Write/read .bmp file back into AA2

Hist: 0 min, 255 max, linear

Unsharp mask 1.5, 7

Convolution using Gaussian psf with sigma = 2.0, level = 40

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