



## M109

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 5 and 8 out of 9 (see below).

Capture off video tape onto HP ze5185 notebook using Video Capture Essentials with no interleaving:

For AGC = 8: as 299 image sequence @ 1 per second with brightness at 40%, contrast at 100%.

For AGC = 5: as 299 image sequence @ 1 per second with brightness at 45%, contrast at 100%.

Make "M109\_042303\_0\_1\_avg592autoregx\_FFcorV2chr\_cln\_moi\_proc1":

Registax Processing:

For AGC = 8: Average 299 images using auto-optimal alignment and stacking

For AGC = 5: Average 293 images using auto-optimal alignment and stacking

AstroArt 2.0 Processing: (for both images)

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

Divide original by flatfield

Adobe Photo-deluxe Home Edition 4.0 Processing: (for both images)

Clone out hot pixel streaks

Moire removal using 0 degrees and smooth of 10 (for image from AGC = 8)

Moire removal using 0 degrees and smooth of 15 (for image from AGC = 5)

Using Registax, average the two images obtained above with equal weighting. (Total of 592 images x 128 frames = 75776 frames)

AstroArt 2.0 Processing: (read in .fit version)

Convolution using Gaussian psf with sigma = 2.0, level = 6500

Histogram: 2960 min, 53888 max, linear

Microsoft Word Processing:

Brightness 60, contrast 60

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