



**M3**

12/31/2003

Toledo, Ohio

Conditions: residential-backyard by porch, clear with wisps of clouds, no wind, steady atmosphere, moon set, slight frost, 27 deg.

Telescope: Meade LX-90 8" SCT in Polar alignment mode  
Rear cell UV filter, right angle prism

Camera: Astrovid StellaCam-EX Video Camera  
128X sense-up, gain at 9 out of 9

Capture direct to HP ze5185 notebook using Video Capture Essentials and s-video connection as 119 image sequence @ 1 per second with brightness at 35%, contrast at 65%.

Make "M3\_123103\_2\_avg86aregx\_ffcorv2chr\_cln\_proc2":

Registax Processing (.jpg):

Average 86 best images using optimal align and stack with qual cutoff 85%, diff 100%, use qual. wt. stacking.

AstroArt 2.0 Processing (.jpg):

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

Divide original by flatfield

Adobe Photo-deluxe Home Edition 4.0 Processing (.jpg):

Clone out hot pixel streaks

AstroArt 2.0 Processing: (.jpg)

Offset +5

Maximum entropy deconvolution, 20 iterations, no cut sky

Gauss smooth sigma 0.7

Convolution using Gaussian psf with sigma = 2.0, levels = 15, 18, 21

Gauss smooth sigma = 0.7

Unsharp mask 1.2, 2.5, adaptive

Offset -10 // Gauss smooth sigma 0.7 // offset -7

Crop // resize 200% // rot 90 degrees

Microsoft Word: brt 55%, con 55%

Larry Low – Astrophotunist

1/19/2004