



M95

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 7 out of 9

Capture off video tape onto HP ze5185 notebook using Video Capture Essentials with no interleaving as 297 image sequence @ 1 per second with brightness at 40%, contrast at 90%.

Make "M95_042303_0_avg297autoreg_FFcorV2chr_cln_proc1":
Registax Processing:
Average 297 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)
Convolution using Gaussian psf with sigma = 2.0, level = 20
Convolution using Gaussian psf with sigma = 2.0, level = 15
Convolution using Gaussian psf with sigma = 2.0, level = 15
Histogram: 10 min, 255 max, linear
Unsharp mask: 1.2, 2.4
Histogram: 10 min, 255 max, log3
Gaussian filter with sigma = 1.5
Microsoft Word Processing:
Brightness 60%, contrast 60%

Larry Low – Astrophotomist
5/15/2003