



M97 - Owl Nebula

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 45%, contrast at 100%.

Make "M97_042303_0_avg299autoregxFFcorV2chr_cln_moi_proc1":

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

Moire removal 55 degrees and smooth 20

AstroArt 2.0 Processing: (read in .bmp version)

Offset +5

Maximum entropy deconvolution: 3 iterations with no sky cut

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

Convolution using Gaussian psf with sigma = 2.0, level = 30

Histogram: 20 min, 169 max, lin

Unsharp mask 1, 4

Gauss smooth with sigma = 1.0

Larry Low – Astrophotunist

5/15/2003