



Pluto

5/21/2003

Bowling Green, Ohio

Conditions: rural, clear with chemtrails, slight light pollution, faint breeze, no moon, heavy dew later, low 50's
Pluto was near the south-east horizon

Meade LX-90 8 inch sct in polar alignment mode
3.3 Focal reducer

StellaCam-EX:
128X sense-up, gain at 5 out of 9

Capture off video tape onto HP ze5185 notebook as 299 image sequence @ 1 per second using Video Capture Essentials with brightness at 45%, contrast at 100% and no interleaving.

Make "Pluto_052103_0_avg284autoregx_FFcorV2chr_clnfix_moi_proc1"

Registax Processing:

Average 284 images - auto alignment and stacking - quality 70%, diff 62%

AstroArt 2.0 Processing:

Make "Chris" flat field and Gauss smooth with sigma = 15

Divide original by flat field

Adobe Photo Deluxe Home Edition 4.0 Processing:

Clone out hot pixels

Moire removal at 90 degrees with smooth of 30

AstroArt 2.0 Processing:

Offset +10

Maximum entropy deconvolution of 20 iterations with no cut sky

Gauss smooth with sigma = 0.7

(Convolution, Gauss with sigma = 2, level = 40) X 2

Convolution, Gauss with sigma = 2, level = 30

Redo "Chris" flat field and subtract it from image

Unsharp mask 4,7 adaptive

Convolution, Gauss with sigma = 2, level = 10

Histogram: 8 minimum, 439 maximum, linear

Gauss smooth with sigma = 0.7

Microsoft Photo Editor Processing:

Crop

Brightness 60%, contrast 60%

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