--IC1296

M57 - Ring Nebula
Processed to bring out IC1296 Spiral Galaxy

5/06/2003
Toledo, Ohio
Conditions: residential, clear with patches of haze which spread, moderate light pollution, breeze which buffeted scope at times, crescent moon which set, light dew later, low 50's

Meade LX-90 8 inch sct in polar alignment mode (some problems with aligning due to trees so image drifted)
No optical accessories

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

Capture off video tape onto HP ze5185 notebook as 238 image sequence @ 1 per second using Video Capture Essentials with brightness at 55%, contrast at 100% and no interleaving.

"Processing 1"
Registax Processing:
      Average 206 images - auto alignment and stacking - quality 80%, diff 60%
      Wavelet filtering with initial value 1, step 5, values 0 - 25.9 - 22.7 - 0 - 0 - 0, cont 240, brt -110, gamma 0.4
      Gamma curve [0,0], [3 sq over, 1 sq up], [max,max]
      Wrote out as "fit" file, read back in. Was scaled differently now.
      Reset cont 230, brt -60, gamma 0.6, gamma curve [0,0], [2.5 sq over, 1.5 sq up], [max,max] - wrote as "bmp"
AstroArt 2.0 Processing:
      Hist: 30 min, 154 max, log 12 clicks from linear
      Convolution, Gauss with sigma = 2, level = 40
      Median 3x3, 100%
Adobe Photo Deluxe Home Edition 4.0 Processing:
      Clone out hot pixels
      Brightness -7, contrast +23
Microsoft Photo Editor Processing:
      Crop

Larry Low – Astrophotonist
5/14/2003