

## Moon

12/31/2003 (pm)

Location: 3161 Winston, Toledo, Ohio (Outside back door)

Conditions: residential, mid 30's, no wind, atmospheric stability 8/10, no frost, moon past 1<sup>st</sup> quarter but in west, sky clear, Saturn directly overhead.

Telescope: Meade LX-90 8 inch SCT in polar alignment mode:  
UV filter on back, right angle prism

Camera: Meade Lunar-Planetary Imager (LPI):  
Edge enhancement, hard during acquisition.  
Shutter: 0.032 sec // Gain: 0 // Offset: 54 // Histogram 8-242, set 0-225, 631.  
Used tracking of images and auto combination with min quality 60% and 10 eval. images.  
Each image was average of about 50 images in 60 seconds.  
Mild turbulence caused problems with averaging. Should have used individual images, not averages.  
Capture direct to USB port on HP ze5185 notebook using Meade Autostar Suite.

Make "MoonPanoramaHiresCylindricalSmooth\_proc1\_crv1":

Paint Shop Photo Album: Sequence of 13 images made into panorama using smooth-cylindrical projection.

AstroArt V3.01:

Deconvolution – Maximum entropy with psf of small peak in crater. 20 iterations

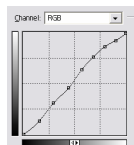
Gauss smooth sigma = 1.0

Unsharp mask 1, 2, adaptive

Photoshop 6:

Curve 1:

RGB



Microsoft Word:

Brightness 53%, Contrast 53%

Larry Low – Astrophotnist  
1/26/2004