



Sun Spot #596 and Solar Granulation

4/23/2004

Location: 3161 Winston, Toledo, Ohio

Conditions: daytime, approx. 5pm, slight breeze, stability 4/10, slight haze in sky, mid 60s.

Telescope: Meade LX-90 8 inch SCT in polar alignment mode with Orion 100,000:1 solar filter over front:

Camera: Meade Lunar-Planetary Imager (LPI):

Shutter: 0.011 sec // Gain: 0 // Offset:53 // Histogram129-215.

Couldn't track. Acquired 99 individual images.

Capture direct to USB port on HP ze5185 notebook using Meade Autostar Suite.

Make "Sun6_042304_LPI_avg56of99aregx_proc3":

Registax:

Alignment filter = 12, Quality filter = 2 start, 7 width

Stack using image quality at min quality 88%, difference 100%, n=56

AstroArt 3.1:

Crop // Set floating point data // resize 200% with gauss interpolation

Unmask 4, 7, unadaptive

Clip minimum to zero // histogram RF: 0:283, B 230, V 0:270exp 5 clicks from linear.

Unmask 1.5, 3, unadaptive // Median filter ring 2

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