



Jupiter with (from left:) Callisto, Ganymede, Europa and Io

4/23/2004

Location: 3161 Winston, Toledo, Ohio (Driveway)

Conditions: residential, 50's, no wind, atmospheric stability 5/10, transp 5/10, moon set, no dew.

Telescope: Meade LX-90 8 inch SCT in polar alignment mode:
UV filter on back, 6.3 focal reducer, zero-image-shift focuser

Camera: Meade Lunar-Planetary Imager (LPI):
Edge enhancement, hard during acquisition.

Jupiter 8:

Shutter: 0.023 sec // Gain: 0 // Offset: 56 // Histogram 0-145, set 12-170.

Used tracking of images and auto combination with min quality 50% and 10 eval. images.

Set of 358 images (in 188 secs)

Jupiter 9:

Shutter: 0.023 sec // Gain: 0 // Offset: 56 // Histogram 0-146, set 12-170.

Used tracking of images and auto combination with min quality 80% and 10 eval. images.

Set of 121 images (in 267 secs)

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

Make "Jupiter8-Jupiter9_042304_LPI_avg2_358_121_aregx_proc3":

Registax: These two sets aligned and averaged in Registax for total images of 479.

AstroArt V3.01:

Crop // Set floating point data // resize gaussian 300%

Offset -6.808(bkgnd amount) // clip minimum at zero

Unsharp mask 3, 4, unadaptive // clip minimum at zero

Color saturation to 100%

Microsoft Word:

Brightness 53%, Contrast 47%

Larry Low – Astrophotomist

5/01/2004