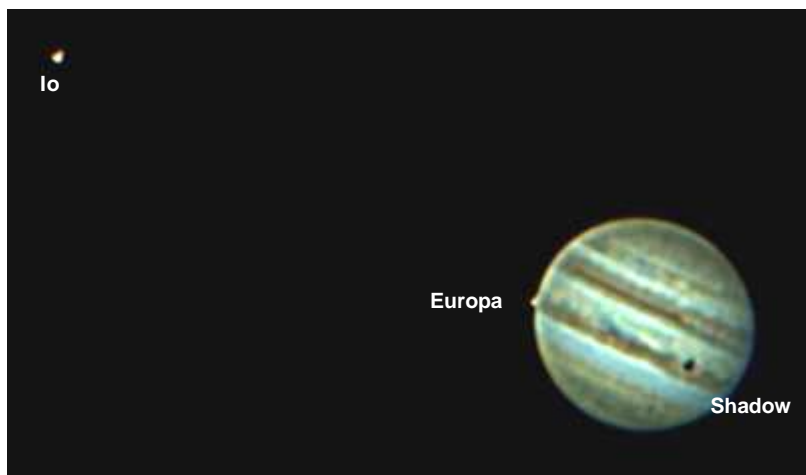
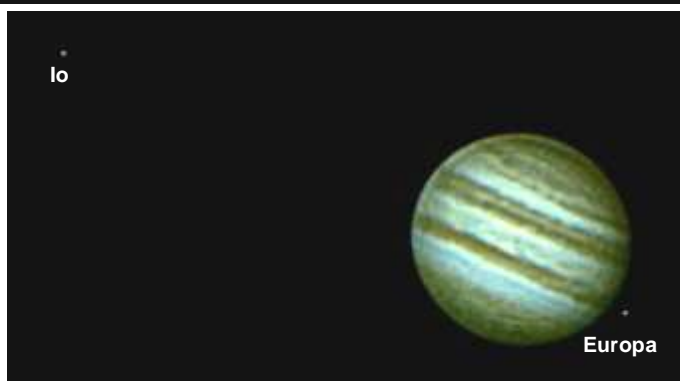


3:06 am



Jupiter 11

6:04 am



Jupiter 34

## Jupiter with Europa, Shadow and Io

1/01/2004

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

Conditions: residential, mid 30's, no wind, atmospheric stability 8/10, no frost, no moon, clear,

Telescope: Meade LX-90 8 inch SCT in polar alignment mode:

UV filter on back, right angle prism, 2X Barlow

Camera: Meade Lunar-Planetary Imager (LPI):

Edge enhancement, hard during acquisition.

Jupiter 11: Shutter 0.25 sec // Gain: 27 // Offset: 51 // Histogram 0-179, set 0-255.

Used tracking of images and auto combination with min quality 75% and 10 eval. images.

First set of 50 images in 63 secs

Jupiter 34: Shutter 0.25 sec // Gain: 0 // Offset: 39 // Histogram 0-191, set 0-120.

Used tracking of images and auto combination with min quality 84% and 10 eval. images.

First set of 87 images in 93 secs

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

AstroArt V3.01:

Make "Jupiter 11\_010104\_LPI\_procM1\_croplO\_proc2":

Gauss smooth sigma = 0.7 // Unsharp mask 3, 6, unadaptive // offset -10

Histogram: V=0:205 exp 6 clicks from linear // Gauss smooth sigma = 0.7

Unsharp mask 1, 2, unadaptive // Gauss smooth sigma = 0.7

Crop // Color sat. 60% from 50% // Histogram: R=-19:271, B=2, V=21:228 Linear

Make "Jupiter 34\_010104\_LPI\_procM1\_croplO\_proc2":

Gauss smooth sigma = 0.7 // Unsharp mask 2, 4, unadaptive // offset -10

Histogram: V=0:170 exp 5 clicks from linear // Gauss smooth sigma = 0.7

Unsharp mask 1, 2, unadaptive // Gauss smooth sigma = 0.7

Crop // Color bal. B:50/26 // Histogram: R=-62:255, B=-7, V=0:226 Linear

Microsoft Word:

Brightness 54%, Contrast 50%

Larry Low – Astrophotunist

2/6/2004