

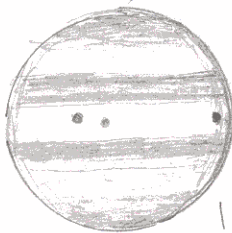
2003

Apr 10
Cont'd

Europa

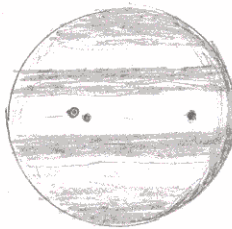
JUPITER

9:05 PM

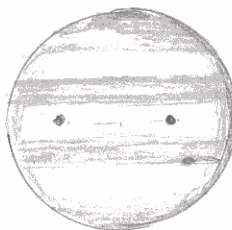


Callisto Io I sh

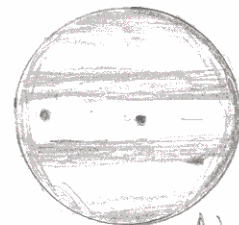
9:19 PM



9:29 PM

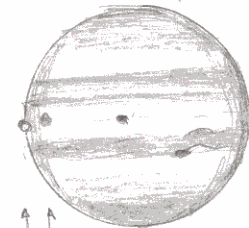


9:47 PM



LRS

9:59 PM



Io
Callisto
LRS

All obs @ 360x (12mm + 3x barlow)

An awesome set of events follows!
Callisto partially occults Io while crossing Jupiter! & a shadow to boot!

GSC 1396-0149
To Ganymede

9:05 - at first, Callisto is very easy to see - actually saw it before Io's shadow or Io! Callisto is an ash-gray ~50% as dark as Io's shadow & approx same size.

By contrast, Io is only ~2/3 the size of Callisto & is a light salmon colour. It is not too hard to pick out w/ background of Jupiter, but it is only ~20% as distinct as Callisto. At 9:19 PM, moons are getting close to merging.

In 9:29 PM drawing, moons are merged, but Io can no longer be seen. (sky is not good, maybe 4/10 - variable haze & very unsteady - good seeing w/o scintillation maybe available 50% of time). Details of bands indistinct. Filters do not help.

9:47 PM - after 9:29 merge, Io is no longer visible in its trip toward the edge, hiding in slightly darker limb. However, Little Red Spot (LRS) shows up!

At 9:58 PM, Io begins to show as a very white disk against the dark gray limb. By 9:59 PM, Io is ~1/2 off of limb.

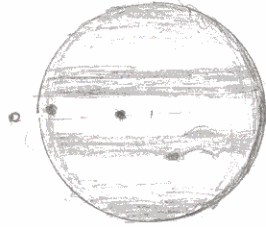
LRS & wavy band much clearer. Callisto is blending with limb darkening.

cont'd 6503

2003

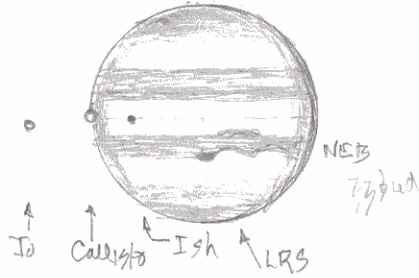
Apr 10
Cont'd

JUPITER (cont'd)
10:19 PM



Callisto ~~is~~ deep into limb darkening
Io is well separated

10:34 PM



By contrast to Io, Callisto is very
slow-moving & takes forever to
move to limb & off. By 10:33 PM,
Callisto is showing as a bud on
the edge of Jupiter, but it
takes many minutes to move free
of the planet. Europa has moved in.
LRS has made it to a meridian

& complex NEB following the LRS is ruffled by the spot.
- very nice show tonight, even though sky is poor &
unsteady & image is rarely good.