









Galilean moons of Jupiter

- When did Galileo first know that these were not stars, but objects that followed Jupiter?
- 1. On 7 Jan 1610, what hint did Galileo uncover about these "stars"? Read p64.

http://galileo.rice.edu/images/things/journal_jup1.gif

Galileo's journal

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 On 10 Jan 1610, Galileo realized what changed from night to night were these "stars," not Jupiter. These stars followed Jupiter and their positions changed from night to night.

 Assume the three objects seen near Jupiter on 7 Jan 1610 were real stars. Draw what Galileo would have seen on Jan 8th.

P.C.



Saturn 1610

I discovered another very strange wonder, which I should like to make known to their Highnesses ..., keeping it secret, however, until the time when my work is published ..., the star of Saturn is not a single star, but is a composite of three, which almost touch each other, never change or move relative to each other, and are arranged in a row along the zodiac, the middle one being three times larger than the lateral ones, and they are situated in this form: oOo. —Letter to Medici
Circulated an anagram: s m a i s m r m i l m e p o e t a l e u m i b u n e n u g t t a u i r a s.
Altissimum planetam tergeminum observavi, or "I have observed the highest planet tri-form."
Tri-form disappeared in 1612.

