Observations récurrentes (Série temporelle).



11 jours d'observations d'étoiles autour de Jupiter, représentées sous une forme synthétique Galilée (circ. 1610)

[dans] E.R Tufte, Beautiful Evidence, Graphics Press Cheshire 2006

each observation during the first 11 days of observation:

With my new telescope, I saw 3 stars around Jupiter in a straight line parallel to the ecliptic.

Provoked by curiosity, tonight I viewed Jupiter again; now 3 stars were all west of Jupiter.

Unfortunately tonight the sky was covered everywhere with clouds.

Only 2 stars, to the east! Is a third hiding behind Jupiter? Jupiter can't move that fast; thus the stars must move.

It appears that 3 stars wander around Jupiter, like Venus and Mercury around the Sun.

As I watched, a third star appeared nearest to Jupiter. All 3 little stars were straight on the ecliptic.

For the first time I saw 4 separate stars near Jupiter. The eastern star was 2 minutes from Jupiter,

and the 3 other stars apart at about 1 minute intervals. But now, on the 14th, the weather was cloudy.

About 3 hours after sunset, 4 stars appeared; at 7 hours after, only 3 were in the same straight line.

Then 2 stars appeared within a distance of 40 seconds of Jupiter with 1 star 8 minutes from J in the west.

Again 2 stars; 4 hours later another emerged, which, I suspect, had been united with the first one.

Observations impossibles ...

cloudy

cloudy

* 0

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each observation during the first 11 days of observation:

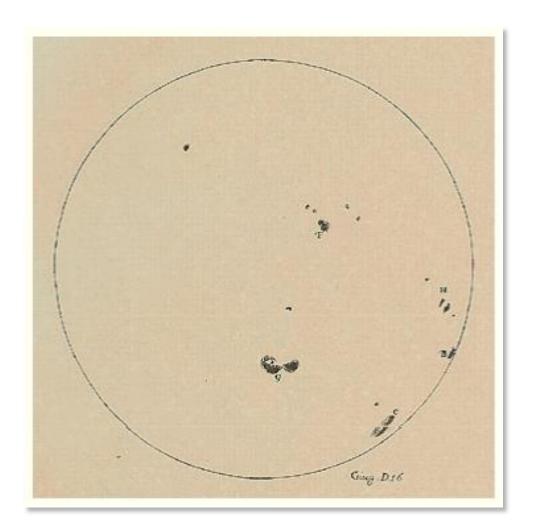
anuary 7	* * 0 *	With my new telescope, I saw 3 stars around Jupiter in a straight line parallel to the ecliptic.
8	0 * * *	Provoked by curiosity, tonight I viewed Jupiter again; now 3 stars were all west of Jupiter.
9	cloudy	Unfortunately tonight the sky was covered everywhere with clouds.
10	* * 0	Only 2 stars, to the east! Is a third hiding behind Jupiter? Jupiter can't move that fast; thus the stars must move.
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16	* 0 * *	Then 2 stars appeared within a distance of 40 seconds of Jupiter with 1 star 8 minutes from J in the west.
17	** 0 **	Again 2 stars 4 hours later mother emerged, which, I suspect, had been united with the first one.

Indication quantitative spatiale (angulaire)

Lecture à granularité 1 jour, laisse de côté (visuellement) des infos dont la granularité est différente

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Animation (vidéo) à partir de relevés de taches solaires par Galilée

Galileo sunspot movie

https://www.edwardtufte.com/bboard/q-and-a-fetch-msg?msg_id=00001r>

