1612

27 Dec Hr 15.46 from noon, while Venus was rising

(diagram)

Before sunrise 0.30 two westerly ones were closely conjoined; they were distant now 0.20 according to longitude, but the more westerly had such great longitude that it appeared that in this connection it almost and just almost touched the other; and at the same hour a fourth star was present from the west and the easterly one was made more remote; and such was the configuration; and the tables corresponded to a hair.

(diagram)

29 Dec Hr 19.0 from noon doubtful because of clouds

1613

2 Jan Hr 12 from noon

(diagram)

(diagram)

Hr 16.30 or Hr 2.30 before sunrise of the following day

3 Jan Hr 11 from noon after the rising of Jupiter Hr 0.30 it was deflecting fairly to the south.

(diagram)

before sunrise Hr 0 (diagram) by estimation

5 Jan Hr (6.34 lined out) 7.12 from sunset, from noon truly Hr 11. 38

(diagram) most exact observation

after Hr 6.18 (diagram)

1613

20 Jan Hr 10.30 from noon

(diagram)

21 Jan Hr 6 from sunset

(diagram)

Hr 7.30 (diagram)

22 Jan Hr 3.30 from sunset

(diagram)

Hr 6.50 (diagram)

(#4) and (#1) conjoined = .4

and they were thus according to longitude, but according to latitude there was a most great turning away; they were now distant nearly 0.45; and this was a most exact observation.

Hr 8 (diagram)

23 Jan Hr 6 from sunset

(diagram)

Hr 12.50 (diagram) in latitude

24 Jan Hr 6 from sunset

(diagram)

25 Jan Hr 6 from sunset

(diagram)

A fixed star was present distant 10 from Jupiter and corresponding perpendicularly through the center of Jupiter to a direct line through the planets.

26 Jan Hr 5 from sunset

(diagram)