

7 Nov Hr 1 before sunrise; this is (?)

6 Nov Hr ... after noon

(diagram)

20 Nov Hr 2 before sunrise or

19 Nov Hr ... after noon

(diagram) I was doubtful about the first [prima, feminine: stella] easterly one.

(diagram) After an hour such was the constitution.

At the same time I saw Mercury, and its disc appeared most like Jupiter's or slightly larger; its diameter, then, scarcely equalled a fifth part of the diameter of Venus.

22 Nov Hr 0.30 before sunrise; that is on 21 Nov Hr ... from noon

(diagram)

25 Nov Hr 2 before sunrise; on 24 Nov Hr 17.25 from noon.

(diagram)

(diagram) after an hour thus; in which hour Mercury was elevated 0.30 degree; it was Hr 1.15 before sunrise and Hr 18.10 after noon. And after Hr

(diagram) 0.30 thus 24 Nov

27 Nov Hr 2 before sunrise; on 26 Nov Hr ... from noon

(diagram) a certain small star A in a similar site appeared.

(diagram) before sunrise Hr 0.30 and Jupiter perceptibly approached fixed A.

28 Nov Hr 4 before sunrise; on 27 Nov Hr 15.28. from noon

Venus was then rising.

(diagram)

(diagram) after Hr 1.30

(diagram) Hr 0.30 before sunrise

29 Nov Hr 2.30 before sunrise; on 28 Nov Hr [blank] from noon

(diagram)

(diagram) after an hour

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3 Dec Hr 1 before sunrise; on 2 Dec Hr 2 from noon

(diagram) doubtful

5 Dec Hr 1.15' before sunrise on 4 Dec Hr 18.17 from noon

(diagram) was receding from Jupiter

was nearing

(diagram) Hour 0.30 before sunrise

6 Dec Hr 4.0' before sunrise on 5 Dec Hr 15.54 from noon

Venus was rising.

(diagram)

after Hr 0.30 (diagram)

after Hr 1.45 (diagram) first observation

and after Hr 3.20 (diagram) from first observation

finally Hr 0.30 before sunrise thus was an exact observation

(diagram) it was indeed raised a bit towards north

7 Dec Hr 1.40 before sunrise on 6 Dec Hr 17.54 from noon

(diagram) slightly deflecting to the South

After Hr 1 (diagram) thus, and the 2 closest to Jupiter were almost touching; however, on contact they did not turn aside, although through Hr 0.20 they were observed in the same condition; and the distance from Jupiter of the smaller one seemed slightly diminished, from which it is concluded that it was in its mid remotion.

The diameter of Mars was determined through collation to the moon since it was in opposition with the sun. Degree 0 0'12"

8 Dec Hr 2.30 after the rising of Jupiter, which was Hr 4.30 before sunrise on 7 Dec Hr 15.5 from noon

(diagram)

The 2 closer to Jupiter were barely touching each other and at approximately Hr 1.30 are hardly perceptibly separated; however, after Hr 2.10 after the first observation they were 0.40' distant from each other; however, the hour 2.50 from the first observation thus:

(diagram) slightly to the south