CORRECTION

Correction to: Bošković's Method for Determining the Axis and Rate of Solar Rotation by Observing Sunspots in 1777

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The original online version of this article has been corrected to improve grammatical, syntactical and spelling mistakes throughout the text. Figure 6 was also corrected to remove a purple line that was inadvertently included in the axis. More specifically:

On page 24, the paragraph included additional spaces that were removed:

The ecliptic longitude of the ascending node $\Omega = 80°07'\text{-}04"$ and the solar equator's inclination $i = 7°19'\text{-}23"$ are arithmetic means of the four values rounded to the whole angular second: $\overline{\Omega} = \Sigma\Omega_i/n = 320°28'\text{-}14"/4 = 80°07'\text{-}04.2" = 80.1178333° \approx 80°07'\text{-}04" = 80.11777778° \approx 80.12°$ and $\bar{i} = \Sigma i_i/n = 29°17'\text{-}31"/4 = 7°19'\text{-}22.75" = 7.322986111° \approx 7°19'\text{-}23" = 7.323055556° \approx 7.32°$. The ecliptic longitude of ascending node $\Omega = 80.12°$ and solar equator's inclination $i = 7.32°$ are like in Table 1 in Wöhl (1978):

Value 1900 was corrected to 1976:

The values $\Delta\Omega_{1900}^{W-PW}$ and $\Delta\Omega_{\underline{1900}}^{W-PW}$ are slightly different from the present work values Ω_{1900}^{PW} and Ω_{1976}^{PW} and ecliptic longitudes of the ascending node $\Omega_{1900} = \Omega_{1900}^{W}$ and $\Omega_{1976} = \Omega_{1976}^{W}$ given by Wöhl (1978).

The page numbers in the following citations were wrongly reported:

- 169 was changed to 168

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- 168 was changed to 169

iii) Sidereal period T', which is determined by the method for the period. It is the arithmetic mean of the six pairs of mean solar time $T.M.$ and the positions of the same sunspot, which Bošković used in *Tab. X.* (Boscovich, 1785b, *Tab. X.*, p. ~~169~~).

iv) The ecliptic longitude of the ascending node $N = \Omega$ and the solar equator inclination towards the ecliptic i, which were determined by the method for Ω and i. It uses three positions of the same sunspot in *Tab. XII.* (Boscovich, 1785b, *Tab. XII.*, p. ~~168~~).

The letter I in the heading was changed to lowercase i:

2.2. The Method for *i*

Figure 6 included an unnecessary purple line on the axis that was now removed:
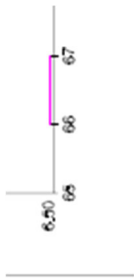
Declarations

Competing Interests The authors declare no competing interests.

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