Erratum to: Orbital structure of the GJ876 extrasolar planetary system based on the latest Keck and HARPS radial velocity data

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All time values related to long-term N -body integration must be multiplied by the factor ≈ 0.6119 . Hence, the stability tests of Fig. 5 actually correspond to the integration time of 6119 yr, instead of 10000 yr, and those in Sect. 8 to the time 611.9 kyr, rather than 1 Myr. The secular period of the pericenters revolution, which was mentioned in that section, is actually 8.8 yr instead of the stated 14.3 yr. This corrected value is in a much better agreement with, e.g., Rivera et al. (2010), who give 8.7 yr.

The results of the short-term integrations over the observational time segment (~ 10 yr) are not affected by this error, because we used a different subroutine for this task. In particular, the N -body radial velocity fits given in the Tables 1, 2, and 3 are correct.

Reference

Rivera, E.J., Laughlin, G., Butler, R.P., Vogt, S.S., Haghighipour, N., Meschiari, S.: The Lick-Carnegie exoplanet survey: a Uranus-mass fourth planet for GJ 876 in an extrasolar Laplace configuration. *Astrophys. J.* **719**, 890–899 (2010)

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