Chaotic diffusion of the fundamental frequencies
in the Solar System
(Corrigendum)

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There are several misprints in Table 2 of the original publication. The corrected version is given here. This correction does not affect any other elements of the paper.

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Table 2. Linear and power-law fits for the time evolution of the parameters (Fig. 10) of the skew Gaussian mixture model (Eq. (19)) for the fundamental frequencies of the Solar System.

|   | $\mu_0$ ("yr$^{-1}$) | $a$ ("yr$^{-1}$)$^2$ | $b$ | $\alpha_0$ | $\mu_1$ ("yr$^{-1}$) | $\sigma_1^2$ ("yr$^{-1}$)$^2$ | $A_1$ |
|---|-----------------|-----------------|---|---------|-----------------|-----------------|---|
| $g_1$ | 5.759 + 0.006 $T$ | 3.37 \times 10^{-2} | 0.52 | -2.25 - 0.50 $T$ | | | |
| $g_2$ | 7.448 - 0.004 $T$ | 4.17 \times 10^{-4} | 0.70 | 1.38 + 0.21 $T$ | | | |
| $g_3$ | 17.269 + 0.002 $T$ | 6.63 \times 10^{-3} | 0.43 | | | | |
| $g_4$ | 17.896 + 0.005 $T$ | 6.88 \times 10^{-3} | 0.41 | | | 17.6755 | 0.0034 | 0.110 - 0.012 $T$ |
| $s_1$ | -5.652 - 0.032 $T$ | 2.68 \times 10^{-2} | 0.83 | 1.12 + 0.16 $T$ | | | |
| $s_2$ | -6.709 + 0.030 $T$ | 1.20 \times 10^{-1} | 0.76 | -2.94 - 1.23 $T$ | | | |
| $s_3$ | -18.773 + 0.009 $T$ | 2.86 \times 10^{-2} | 0.56 | -3.40 - 0.08 $T$ | | | -18.5256 | 0.0028 | 0.023 |
| $s_4$ | -17.707 + 0.013 $T$ | 1.19 \times 10^{-2} | 0.68 | -1.73 - 0.28 $T$ | | | |
| $g_5$ | 4.257454 - 2.1 \times 10^{-6} $T$ | 4.63 \times 10^{-10} | 0.88 | | | | |
| $g_6$ | 28.245226 - 1.4 \times 10^{-4} $T$ | 1.40 \times 10^{-6} | 0.84 | | | | |
| $g_7$ | 3.087957 - 1.2 \times 10^{-6} $T$ | 4.80 \times 10^{-10} | 1.11 | | | | |
| $g_8$ | 0.673024 | 9.89 \times 10^{-11} | 1.49 | | | | |
| $s_6$ | -26.347866 + 1.5 \times 10^{-5} $T$ | 1.21 \times 10^{-8} | 0.85 | | | | |
| $s_7$ | -2.992527 | 8.31 \times 10^{-10} | 1.39 | | | | |
| $s_8$ | -0.691737 | 2.93 \times 10^{-11} | 1.47 | | | | |

Notes. Column 1 contains the considered secular frequencies. In Col. 2 we show the linear fits of $\mu_0$ that represent the center of the distribution. The power-law fit of $\sigma_1^2$ has the form $\sigma_1^2(t) = aT^b$ (Eq. (20)), where $T = t/(1 \text{ Gyr})$ and $a$ and $b$ are given in Cols. 3 and 4, respectively. Linear fits of the skewness parameter, $\alpha_0$, are given in Col. 5. The last three columns show linear fits of the secondary mode of $g_3$ and $s_3$ (Eq. (19)). The parameter $\sigma_1^2$ is fitted from 200 Myr to 5 Gyr in the past, while all the others are fitted from 500 Myr.