



Erratum: “The Mass-dependence of Angular Momentum Evolution in Sun-like Stars” (2015, ApJL, 799, L23)

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1. Erratum

In the original Letter, the moments of inertia of all stars used in the model were too large by an exact factor of 3/2, due to a conceptual error. This affects the value of the moment of inertia of the Sun that is listed in Table 1, and we include here the full, corrected table. The only change in the table is to the value of I_{\odot} . Because the error was a constant multiplicative factor on all moments of inertia, the only change this makes is in the value for the normalization for the torque. Specifically, all results presented in the original Letter are unchanged, except that Equation (8) should read

$$T_0 = 6.3 \times 10^{30} \text{ erg} \left(\frac{R_*}{R_{\odot}} \right)^{3.1} \left(\frac{M_*}{M_{\odot}} \right)^{0.5}, \quad (8)$$

which corresponds to the requirement that $T_{\odot} = 6.3 \times 10^{30} \text{ erg}$.

Table 1
Adopted Parameter Values

Symbol	Adopted Value	Description
χ	10	Inverse critical Rossby number for magnetic saturation (solar units)
p	2	Rotation-activity scaling, Equation (4)
M_{\odot}	$1.99 \times 10^{33} \text{ g}$	Solar mass
R_{\odot}	$6.96 \times 10^{10} \text{ cm}$	Solar radius
Ω_{\odot}	$2.6 \times 10^{-6} \text{ Hz}$	Solar (solid body) angular rot. rate
I_{\odot}	$7.00 \times 10^{53} \text{ g cm}^2$	Solar moment of inertia
t_{\odot}	$4.55 \times 10^9 \text{ yr}$	Solar age
$\tau_{cz\odot}$	12.9 days	Normalization for conv. turnover time

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