

The glitch activity of neutron stars (Corrigendum)

J. R. Fuentes¹, C. M. Espinoza², A. Reisenegger¹, B. Shaw³, B. W. Stappers³, and A. G. Lyne³

¹ Instituto de Astrofísica, Pontificia Universidad Católica de Chile, Av. Vicuña Mackenna 4860, 7820436 Macul, Santiago, Chile
e-mail: jrfuentes@uc.cl

² Departamento de Física, Universidad de Santiago de Chile, Avenida Ecuador 3493, 9170124 Estación Central, Santiago, Chile

³ Jodrell Bank Centre for Astrophysics, School of Physics and Astronomy, The University of Manchester, Manchester M13 9PL, UK

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The original article contains some errors, which are corrected below.

Introduction. Line of text number 10, shows $\Delta\dot{\nu}/\dot{\nu} \sim 10^{-4}-10^{-3}$, but it must be “ $\Delta\dot{\nu}/\dot{\nu} \sim 10^{-5}-10^{-2}$ ”.

Figure 4. The y axis is labeled by “ $\log \dot{\nu}_g$ (Hz s⁻¹)”, but it must be “ $\dot{\nu}_g$ (Hz s⁻¹)”.

Section 4.2. Page number 5, “the 7th bin ($\log |\dot{\nu}| = -10.75$)” but it must be “7th bin ($\log |\dot{\nu}| = -13.75$)”.

Equation (3) and its description is written as

$$p_i = \min\{P(N_\ell^{\text{obs}} \leq N_\ell^{\text{exp}}), P(N_\ell^{\text{obs}} \geq N_\ell^{\text{exp}})\}, \quad (3)$$

where $P(N_\ell^{\text{obs}} \leq N_\ell^{\text{exp}})$ is the (Poisson) probability of observing a value N_ℓ^{obs} smaller or equal to the expected value N_ℓ^{exp} , based on the fixed ratio $\dot{N}_\ell/|\dot{\nu}| = (4.2 \pm 0.5) \times 10^2 \text{ Hz}^{-1}$ calculated above (and analogously for $P[N_\ell^{\text{obs}} \geq N_\ell^{\text{exp}}]$).

However, it must be

$$p_i = \min\{P(x \leq N_\ell^{\text{obs}}), P(N_\ell^{\text{obs}} \geq x)\}, \quad (3)$$

where $P(x \leq N_\ell^{\text{obs}})$ is the (Poisson) probability of obtaining a value x smaller or equal to the actual observed value N_ℓ^{obs} , based on the fixed ratio $\dot{N}_\ell/|\dot{\nu}| = (4.2 \pm 0.5) \times 10^2 \text{ Hz}^{-1}$ calculated above, and the observation time of the pulsar (and analogously for $P[N_\ell^{\text{obs}} \geq x]$).

Discussion. Line of text number 1, shows “ $\dot{\nu} < 10^{-10.5} \text{ Hz s}^{-1}$ ” but it must be “ $|\dot{\nu}| < 10^{-10.5} \text{ Hz s}^{-1}$ ”.