

# Author Correction: Evidence for auroral influence on Jupiter's nitrogen and oxygen chemistry revealed by ALMA

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### **Corrections&amendments**

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Correction to: *Nature Astronomy* https://doi.org/10.1038/s41550-023-02016-7, published online 6 July 2023.

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In the version of the article originally published, all column density values were a factor of 10 too low. Consequently, "two orders" has been changed to "one order" in the abstract and the text, and the values have been corrected on the yaxes of Fig. 3 and the color scales in Fig. 4. In addition, in the section "The spatial distribution of CO and HCN", the CO and HCN masses reported in the text were a factor of 10 too low and the loss factors for CO and HCN were a factor of 10 too high; they have been corrected accordingly. Specifically, CO is now shown to have a meridionally uniform column density of  $1.86 \pm 0.52 \times 10^{16}$  cm<sup>-2</sup> and the total mass of SL9-derived CO is  $5.47 \pm 0.26 \times 10^{14}$  g. This corresponds to a loss factor of  $0.9 \pm 0.3$  since 1995 - 1998. HCN has a uniform column density of  $1.86 \pm 0.52 \times 10^{13}$  cm<sup>-2</sup>, which is one order of magnitude lower than that measured  $1.5 \times 10^{12}$  g. This corresponds to a loss factor of  $1.5 \times 10^{12}$  g. This corresponds to a loss factor of  $1.5 \times 10^{12}$  g. The total mass of HCN is  $1.5 \times 10^{12}$  g. This corresponds to a loss factor of  $1.5 \times 10^{12}$  g. The conclusions of the paper remain unchanged.

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