

# Publisher Correction: A solar C/O and sub-solar metallicity in a hot Jupiter atmosphere

<https://doi.org/10.1038/s41586-021-04192-w>

Published online: 15 December 2021

Correction to: *Nature* <https://doi.org/10.1038/s41586-021-03912-6>

Published online 27 October 2021

 Check for updates

**Michael R. Line, Matteo Brogi, Jacob L. Bean, Siddharth Gandhi, Joseph Zalesky, Vivien Parmentier, Peter Smith, Gregory N. Mace, Megan Mansfield, Eliza M.-R. Kempton, Jonathan J. Fortney, Evgenya Shkolnik, Jennifer Patience, Emily Rauscher, Jean-Michel Désert & Joost P. Wardenier**

In the version of this article initially published, refs. 26–28 were missing from the print version and are provided below. In the online version, refs. 33–36 were disordered, where Coles, 2010; Rothman, 2010; Hargreaves, 2020; Li, 2015 now appear as Rothman, 2010; Hargreaves, 2020; Li, 2015; Coles, 2010 for refs. 33–36, respectively. In the last paragraph of “Extended results, Retrieved constraints” section, in the text now reading “For legacy with past works we also include the ‘classic’<sup>13,14,29,50</sup> CCF analysis,” ref. 30 initially appeared in place of ref. 29. In the first paragraph of “Extended results, Physical plausibility assessment” section, the sentence now reading “We assess the physical/chemical plausibility of the retrieved quantities with a one-dimensional radiative convective thermochemical equilibrium<sup>53–55</sup>,” ref. 56 initially appeared in place of ref. 55. In the second paragraph of the “Physical plausibility assessment” section, the text now reading “what would be nominally predicted<sup>56,59</sup>” initially appeared with refs. 59,61. In the final paragraph of the Methods section and in the Extended Data Fig. 7 caption, ref. 67 citations initially appeared as ref. 68. In the “Extended results, Elemental abundance determination and interpretation” section, fourth paragraph, “the O-based measurements” corrects “the-based O measurements.” Further, in Fig. 2a, the lower x-axis label “ $\log_{10} n_{\text{H}_2\text{O}}$ ” was missing and has been restored. These errors have been corrected in the online version of the article.

26. Atreya, S. K. et al. The origin and evolution of Saturn, with exoplanet perspective. Preprint at <https://arxiv.org/abs/1606.04510> (2016).
27. Thorngren, D. & Fortney, J. J. Connecting giant planet atmosphere and interior modeling: constraints on atmospheric metal enrichment. *Astrophys. J. Lett.* **874**, L31 (2019).
28. Burrows, A. & Sharp, C. M. Chemical equilibrium abundances in brown dwarf and extrasolar giant planet atmospheres. *Astrophys. J.* **512**, 843–863 (1999).

© The Author(s), under exclusive licence to Springer Nature Limited 2021