



Universiteit
Leiden
The Netherlands

A new atmospheric characterization of the sub-stellar companion HR2562B with JWST/MIRI observations (Corrigendum)

Godoy, N.; Choquet, E.; Serabyn, E.; Danielski, C.; Stolker, T.; Charnay, B.; ... ; Vigan, A.

Citation

Godoy, N., Choquet, E., Serabyn, E., Danielski, C., Stolker, T., Charnay, B., ... Vigan, A. (2025). A new atmospheric characterization of the sub-stellar companion HR2562B with JWST/MIRI observations (Corrigendum). *Astronomy And Astrophysics*, 702.
doi:10.1051/0004-6361/202453045e

Version: Publisher's Version

License: [Creative Commons CC BY 4.0 license](https://creativecommons.org/licenses/by/4.0/)

Downloaded from: <https://hdl.handle.net/1887/4290520>

Note: To cite this publication please use the final published version (if applicable).

A new atmospheric characterization of the sub-stellar companion HR 2562 B with JWST/MIRI observations (Corrigendum)

N. Godoy^{1,*} , E. Choquet¹, E. Serabyn², C. Danielski³, T. Stolker⁴ , B. Charnay⁵, S. Hinkley⁶, P. O. Lagage⁷,
M. E. Ressler², P. Tremblin⁸ , and A. Vigan¹ 

¹ Aix Marseille Université, CNRS, CNES, LAM, Marseille, France

² Jet Propulsion Laboratory, California Institute of Technology, Pasadena, CA 91109, USA

³ INAF – Osservatorio Astrofisico di Arcetri, Largo E. Fermi 5, 50125, Firenze, Italy

⁴ Leiden Observatory, Leiden University, Niels Bohrweg 2, 2333 CA Leiden, The Netherlands

⁵ LESIA, Observatoire de Paris, Université PSL, CNRS, Sorbonne Université, Université Paris Cité, 5 place Jules Janssen, 92195 Meudon, France

⁶ University of Exeter, Astrophysics Group, Physics Building, Stocker Road, Exeter, EX4 4QL, UK

⁷ Université Paris-Saclay, Université Paris Cité, CEA, CNRS, AIM, 91191, Gif-sur-Yvette, France

⁸ Université Paris-Saclay, UVSQ, CNRS, CEA, Maison de la Simulation, 91191, Gif-sur-Yvette, France

A&A, 689, A185 (2024), <https://doi.org/10.1051/0004-6361/202449951>

Key words. instrumentation: high angular resolution – methods: data analysis – techniques: image processing – planets and satellites: atmospheres – infrared: planetary systems – errata, addenda

An error was found on the y-axis of Fig. 8 and a typographic error in Table 8 of the original paper (Godoy et al. 2024).

The original figure presents the detection limit in 5σ contrast in planet absolute magnitude units (i.e., the Vega system) instead of the contrast to the host star units. In the new Fig. 1, we have corrected the y-axis to match the correct definition of the contrast curve.

In addition, Table 8 in the original paper had a typographic error in one of the column titles. The original table presents the absolute magnitude in the J band (2MASS system) as M_{Jup} instead of M_{J} . In the new Table 1 we have corrected the column name.

These changes do not alter the results, science, or conclusions of the original article.

Table 1. Colors and absolute magnitudes in the 2MASS and MIRI filters of HR 2562 B and VHS 1256 b.

Target	M_{J} [mag]	$J - K_{\text{S}}$ [mag]	M_{F1065C} [mag]	F1065C-F1140C [mag]
HR 2562 B	15.3	2.5	10.64	−0.03
VHS 1256 b	16.37	2.6	10.07	0.15

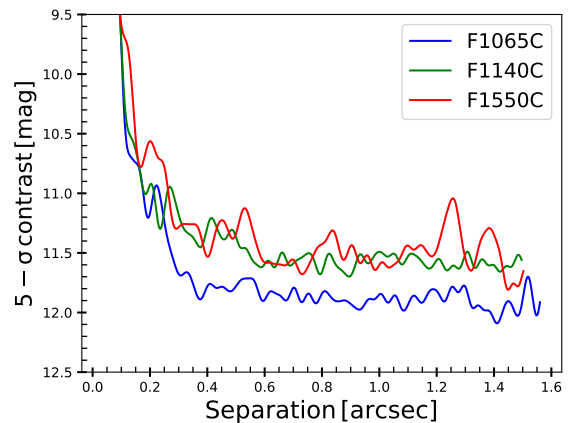


Fig. 1. Smoothed contrast limits (i.e., contrast to the host star) for all JWST/MIRI observations (F1065C, F1140C, and F1550C).

References

Godoy, N., Choquet, E., Serabyn, E., et al. 2024, *A&A*, 689, A185

* Corresponding author: nicolas.godoy@lam.fr