

ERRATUM: “THE *HERSCHEL* AND IRAM CHESS SPECTRAL SURVEYS OF THE PROTOSTELLAR SHOCK L1157-B1: FOSSIL DEUTERATION” (2012, *ApJ*, 757, L9)

C. CODELLA^{1,2}, C. CECCARELLI², B. LEFLOCH^{2,3}, F. FONTANI¹, G. BUSQUET⁴, P. CASELLI⁵, C. KAHANE², D. LIS⁶,
V. TAQUET², M. VASTA¹, S. VITI⁷, AND L. WIESENFELD²

¹ INAF, Osservatorio Astrofisico di Arcetri, Largo Enrico Fermi 5, I-50125 Firenze, Italy; codella@rcetri.astro.it

² UJF-Grenoble 1/CNRS-INSU, Institut de Planétologie et d’Astrophysique de Grenoble (IPAG) UMR 5274, Grenoble, F-38041, France

³ Centro de Astrobiología, CSIC-INTA, Carretera de Ajalvir, Km 4, Torrejón de Ardoz, E-28850, Madrid, Spain

⁴ INAF-Istituto di Astrofisica e Planetologia Spaziali, via Fosso del Cavaliere 100, I-00133 Roma, Italy

⁵ School of Physics and Astronomy, University of Leeds, Leeds LS2 9JT, UK

⁶ California Institute of Technology, Cahill Center for Astronomy and Astrophysics 301-17, Pasadena, CA 91125, USA

⁷ Department of Physics and Astronomy, University College London, London, UK

Received 2012 October 9; published 2012 October 26

Online-only material: color figure

Figure 3 compares the deuteration fraction as found toward L1157-B1 (present Letter) and the hot corino IRAS16293–2422 (from literature). The HDO/H₂O measure was taken by Coutens et al. (2012), accidentally missing in the caption.

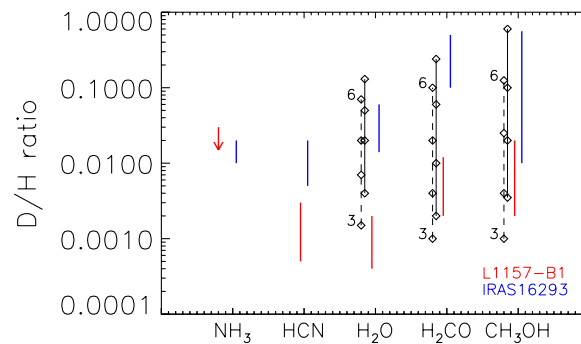


Figure 3. Deuterium fractionation of CH₃OH, H₂CO, H₂O, HCN, and NH₃ as found toward L1157-B1 (red) and IRAS16293–2422 (blue; from Loinard et al. 2001; Parise et al. 2002, 2004; Coutens et al. 2012). Black diamonds stand for the prediction of Taquet et al. (2012b) for pre-shock gas densities of 10³, 10⁴, 10⁵, and 10⁶ cm⁻³ (see labels) and temperatures of 10 (dashed line) and 20 K (solid).

(A color version of this figure is available in the online journal.)

REFERENCES

- Coutens, A., Vastel, C., Caux, E., et al. 2012, *A&A*, 539, A132
Loinard, L., Castets, A., Ceccarelli, C., Caux, E., & Tielens, A. G. G. M. 2001, *ApJ*, 552, 163
Parise, B., Castets, A., Herbst, E., et al. 2004, *A&A*, 416, 159
Parise, B., Ceccarelli, C., Tielens, A. G. G. M., et al. 2002, *A&A*, 393, L49
Taquet, V., Peters, P., Kahane, C., et al. 2012b, *A&A*, submitted