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# Goethite as an alternative origin of the 3.1 $\mu\text{m}$ band on dark asteroids (Corrigendum)

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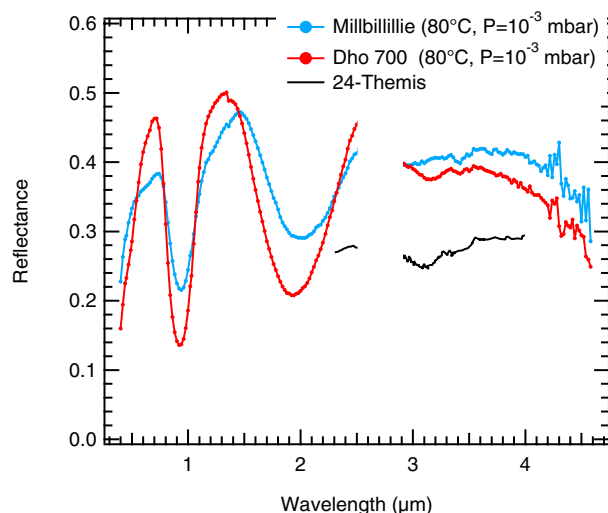
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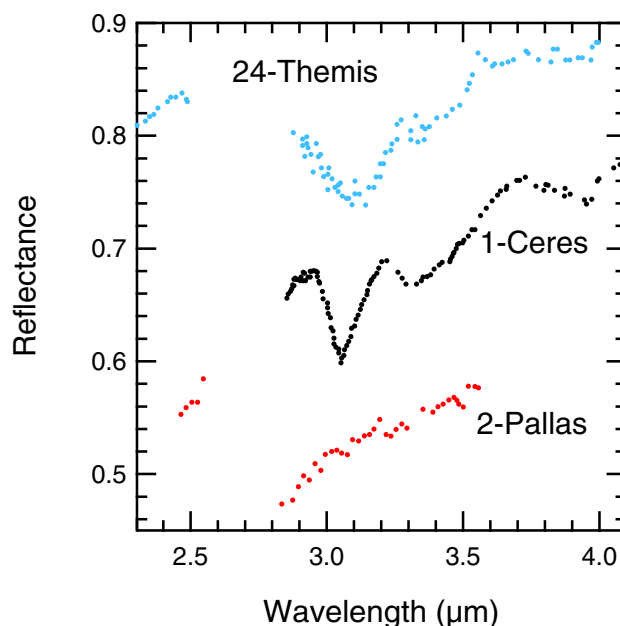
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**Key words.** meteorites, meteors, meteoroids – minor planets, asteroids: general – minor planets, asteroids: individual: 24-themis – minor planets, asteroids: individual: 1-ceres – errata, addenda

An error occurred during the production process. Figure 1 was published twice. The corrected Figs. 1 and 4 are published below.



**Fig. 1.** NIR spectra of a eucrite (Millbillillie) and a diogenite powder (Dhofar700) showing the absence of significant H<sub>2</sub>O- related 3- $\mu\text{m}$  band upon heating to 80°C and in a moderate vacuum ( $P = 10^{-3}$  mbar). Note the presence of a 3.1  $\mu\text{m}$  band in the spectrum of Dhofar 700. From its shape and position, this feature may be caused by a small amount of goethite produced by terrestrial weathering. The small absorption at 3.4  $\mu\text{m}$  is likely due to the presence of organic contamination.



**Fig. 4.** Different types of 3- $\mu\text{m}$  band as observed on asteroids. 1-Ceres spectrum is from Milliken & Rivkin (2009), 2-Pallas spectrum is from Jones et al. (1990), and 24-Themis data are from Rivkin & Emery (2010). Spectra have been offset and rescaled for clarity.

## References

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Rivkin, A. S., & Emery, J. P. 2010, *Nature*, 464, 1322