

Laboratory simulations of the Vis-NIR spectra of comet 67P using sub- μm sized cosmochemical analogues

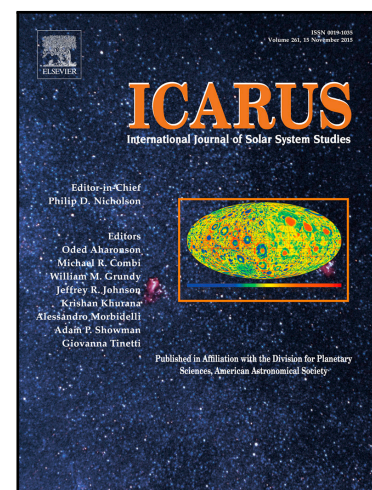
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Highlights

- Sub-micrometre mixes were made with coal, iron sulphide (pyrrhotite) and silicate.
- Reflectance between 0.45-2. μm was compared to mean VIRTIS/Rosetta spectra of 67P.
- While pyrrhotite darkens the spectra, organics are needed to provide the red slope.
- The type of the mixture (intimate, coating) influences significantly the spectra.

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