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Mars Analogue Minerals' Spectral Reflectance Characteristics Under Martian Surface Conditions

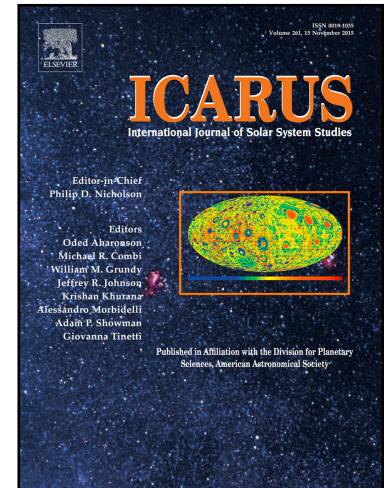
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Highlights:

- Reflectance and XRD data for silica, carbonate, and sulfate minerals were collected before and after 133 days of simulated Martian surface conditions
- Carbonates are the most spectrally stable group tested.
- Many sulfates appear to become amorphous or change phase.
- Silica minerals maintain structure, but Si-OH band features shift over time.

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