



Contribution ID: 84

Type: Poster

Thermal properties of meteorites and planetary analogue materials

Planetary analogue simulants are materials, terrestrial in origin and often mixtures of minerals, which are designed to be spectrally and compositionally identical to the materials we observe on other planets. Both ESA and NASA produce and curate simulant materials for various planetary bodies. In the coming years, there are a number of sample return missions scheduled and interest in benchmarking simulant materials and their properties relative to “real” extra-terrestrial samples is growing.

Here we report the results of in situ powder diffraction experiments to investigate the thermal behaviour of lunar and martian analogues in comparison to meteorites looking particularly at mineral interactions upon heating, cooling and recrystallisation.

Level of Expertise

Experience Researcher

Presenter Gender

Woman

Pronouns

She/Her

Do you intend to attend UM2022

In person - Melbourne

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Session Classification: Poster

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