

# Accepted Manuscript

## Saltation under Martian Gravity and its Influence on the Global Dust Distribution

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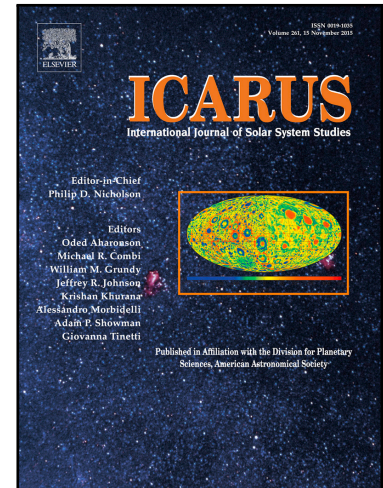
PII: S0019-1035(17)30732-7  
DOI: [10.1016/j.icarus.2018.01.007](https://doi.org/10.1016/j.icarus.2018.01.007)  
Reference: YICAR 12773

To appear in: *Icarus*

Received date: 17 October 2017  
Revised date: 21 December 2017  
Accepted date: 4 January 2018

Please cite this article as: Grzegorz Musiolik, Maximilian Kruss, Tunahan Demirci, Björn Schrämski, Jens Teiser, Frank Daerden, Michael D. Smith, Lori Neary, Gerhard Wurm, Saltation under Martian Gravity and its Influence on the Global Dust Distribution, *Icarus* (2018), doi: [10.1016/j.icarus.2018.01.007](https://doi.org/10.1016/j.icarus.2018.01.007)

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**Highlights**

- Saltation of a very fine sand JSC-1A sample was measured directly for Martian gravity of 0.38 g in a parabolic flight for the first time.
- The fluid threshold velocity decreases for 0.38 g compared to 1 g due to lowered soil compression.
- The fluid threshold velocity measured in 0.38 g allows GCM simulations to match with observational data provided by TES.

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