

Accepted Manuscript

On the history of the early meteoritic bombardment of the Moon: was there a terminal lunar cataclysm?

Greg Michael , Alexander Basilevsky , Gerhard Neukum

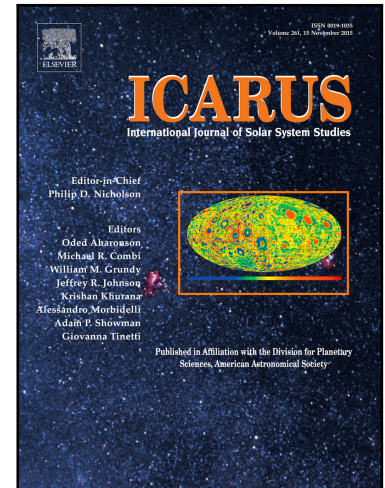
PII: S0019-1035(17)30448-7
DOI: [10.1016/j.icarus.2017.10.046](https://doi.org/10.1016/j.icarus.2017.10.046)
Reference: YICAR 12681

To appear in: *Icarus*

Received date: 16 June 2017
Revised date: 12 September 2017
Accepted date: 30 October 2017

Please cite this article as: Greg Michael , Alexander Basilevsky , Gerhard Neukum , On the history of the early meteoritic bombardment of the Moon: was there a terminal lunar cataclysm?, *Icarus* (2017), doi: [10.1016/j.icarus.2017.10.046](https://doi.org/10.1016/j.icarus.2017.10.046)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Highlights

- Statistics of 269 K-Ar datings of lunar highland returned samples are reviewed
- These are compared against 94 datings of meteoritic highland rocks from 21 localities
- Cumulative effect of impact gardening on presence of melt at surface is modelled
- Combined modelling and analysis contradicts idea of a short terminal cataclysm

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/8134502>

Download Persian Version:

<https://daneshyari.com/article/8134502>

[Daneshyari.com](https://daneshyari.com)