

Sublimation as a landform-shaping process on pluto

Jeffrey M. Moore , Alan D. Howard , Orkan M. Umurhan ,
Oliver L. White , Paul M. Schenk , Ross A. Beyer ,
William B. McKinnon , John R. Spencer , Will M. Grundy ,
Tod R. Lauer , Francis Nimmo , Leslie A. Young , S. Alan Stern ,
Harold A. Weaver , Cathy B. Olkin , Kimberly Ennico , the New
Horizons Science Team

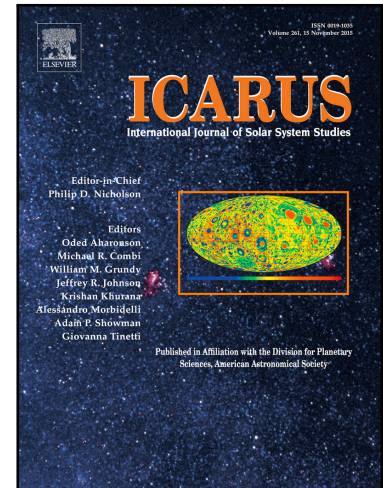
PII: S0019-1035(16)30526-7
DOI: [10.1016/j.icarus.2016.08.025](https://doi.org/10.1016/j.icarus.2016.08.025)
Reference: YICAR 12164

To appear in: *Icarus*

Received date: 15 April 2016
Revised date: 17 August 2016
Accepted date: 24 August 2016

Please cite this article as: Jeffrey M. Moore , Alan D. Howard , Orkan M. Umurhan , Oliver L. White , Paul M. Schenk , Ross A. Beyer , William B. McKinnon , John R. Spencer , Will M. Grundy , Tod R. Lauer , Francis Nimmo , Leslie A. Young , S. Alan Stern , Harold A. Weaver , Cathy B. Olkin , Kimberly Ennico , the New Horizons Science Team, Sublimation as a landform-shaping process on pluto, *Icarus* (2016), doi: [10.1016/j.icarus.2016.08.025](https://doi.org/10.1016/j.icarus.2016.08.025)

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.



SUBLIMATION AS A LANDFORM-SHAPING PROCESS ON PLUTO

Jeffrey M. Moore¹, Alan D. Howard², Orkan M. Umurhan¹, Oliver L. White¹, Paul M. Schenk³, Ross A. Beyer^{4, 1}, William B. McKinnon⁵, John R. Spencer⁶, Will M. Grundy⁷, Tod R. Lauer⁸, Francis Nimmo⁹, Leslie A. Young⁶, S. Alan Stern⁶, Harold A. Weaver¹⁰, Cathy B. Olkin⁶, Kimberly Ennico¹, and the New Horizons Science Team.

¹NASA Ames Research Center, Moffett Field, CA, 94035, ²Dept. Environmental Sciences, University of Virginia, Charlottesville, VA 22904, ³Lunar and Planetary Institute, Houston, TX 77058, ⁴The SETI Institute, Mountain View, CA 94043, ⁵Dept. Earth and Planetary Sciences, Washington University, St. Louis, MO 63130, ⁶Southwest Research Institute, Boulder, CO 80302, ⁷Lowell Observatory, Flagstaff, AZ 86001, ⁸National Optical Astronomy Observatory, Tucson, AZ 85719, ⁹University of California, Santa Cruz, CA 95064, ¹⁰Johns Hopkins University, Applied Physics Laboratory, Laurel, MD 20723.

For submission to Pluto special issue of *Icarus*

Initial submission: 14 April 2016

Revised submission: 1 July 2016, 2nd Revision 17 August 2016

Keywords: Pluto; Ices; Ices, mechanical properties; Geological processes; Pluto, surface

Running Title: Sublimation on Pluto

Corresponding Author: Dr. Jeffrey M. Moore, NASA Ames Research Center, MS-245-3, Moffett Field, CA 94035-1000 (jeff.moore@nasa.gov) 650-604-5529

Download English Version:

<https://daneshyari.com/en/article/5487374>

Download Persian Version:

<https://daneshyari.com/article/5487374>

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