

Accepted Manuscript

Chemical variability in mineralized veins observed by ChemCam on the lower slopes of Mount Sharp in Gale crater, Mars

J. L'Haridon , N. Mangold , P.-Y. Meslin , J. Johnson , W. Rapin ,
O. Forni , A. Cousin , V. Payré , E. Dehouck , M. Nachon ,
L. Le Deit , O. Gasnault , S. Maurice , R.C. Wiens

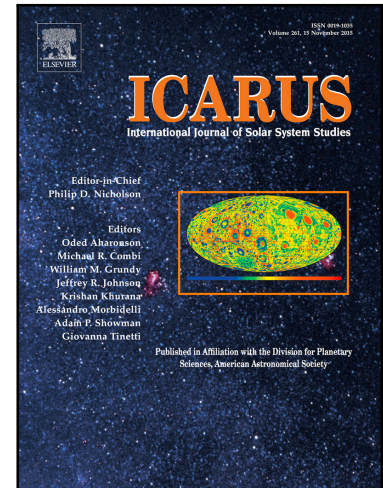
PII: S0019-1035(17)30781-9
DOI: [10.1016/j.icarus.2018.01.028](https://doi.org/10.1016/j.icarus.2018.01.028)
Reference: YICAR 12843

To appear in: *Icarus*

Received date: 17 November 2017
Revised date: 15 January 2018
Accepted date: 23 January 2018

Please cite this article as: J. L'Haridon , N. Mangold , P.-Y. Meslin , J. Johnson , W. Rapin , O. Forni , A. Cousin , V. Payré , E. Dehouck , M. Nachon , L. Le Deit , O. Gasnault , S. Maurice , R.C. Wiens , Chemical variability in mineralized veins observed by ChemCam on the lower slopes of Mount Sharp in Gale crater, Mars, *Icarus* (2018), doi: [10.1016/j.icarus.2018.01.028](https://doi.org/10.1016/j.icarus.2018.01.028)

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

- Diagenetic Ca-sulfate veins are pervasive along Curiosity traverse in Gale crater
- ChemCam highlights local enrichments in Fe and Mg in these features
- Passive reflectance shows that both ferric and ferrous phases are identified
- Groundwater redox and pH conditions appear variable along the stratigraphy

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/8133932>

Download Persian Version:

<https://daneshyari.com/article/8133932>

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