

## Mars Science Laboratory Science Team Papers

### In press












- Gabriel, T.S.J., C. Hardgrove, S. Czarnecki, L. Rampe, W. Rapin, C.N. Achilles, D. Sullivan, S.F. Nowicki, L. Thompson, M. Litvak, I. Mitrofanov, and R.T. Downs, **Water abundance of dunes in Gale crater, Mars from active neutron experiments & implications for amorphous phases**, *Geophysical Research Letters*, doi:10.1029/2018GL079045, in press. [🔒](#)
- Hassler, D.M., C. Zeitlin, B. Ehresmann, R.F. Wimmer-Schweingruber, J. Guo, D. Matthiä, S. Rafkin, T. Berger, and G. Reitz, **Space weather on the surface of Mars: Impact of the September 2017 events**, *Space Weather*, doi:10.1029/2018SW001959, in press. [🔒](#)
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- Miller, N., M. de la Torre Juárez, and L. Tamppari, **The effect of Bagnold dune slopes on the short time-scale air temperature fluctuations at Gale crater on Mars**, *Geophysical Research Letters*, doi:10.1029/2018GL080542, in press. [📖](#)
- Richardson, M.I., and C.E. Newman, **On the relationship between surface pressure, terrain elevation, and air temperature. Part I: The large diurnal surface pressure range at Gale Crater, Mars and its origin due to lateral hydrostatic adjustment**, *Planetary and Space Science*, doi:10.1016/j.pss.2018.07.003, in press. [📖](#)
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### 2019













- Sutter, B., A.C. McAdam, and P.R. Mahaffy, **Chapter 12 - Volatile Detections in Gale Crater Sediment and Sedimentary Rock: Results from the Mars Science Laboratory's Sample Analysis at Mars Instrument**, in: J. Filiberto and S.P. Schwenzer (Eds.), *Volatiles in the Martian Crust*, pp. 369-392, doi:10.1016/B978-0-12-804191-8.00012-X, Amsterdam, Netherlands: Elsevier, 2019. [📖](#)












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- Abbey, W., R. Anderson, L. Beegle, J. Hurowitz, K. Williford, G. Peters, J.M. Morookian, C. Collins, J. Feldman, R. Kinnett, L. Jandura, D. Limonadi, C. Logan, S. McCloskey, J. Melko, A. Okon, M. Robinson, C. Roumeliotis, C. Seybold, J. Singer, and N. Warner, **A look back: The drilling campaign of the Curiosity rover during the Mars Science Laboratory's Prime Mission**, *Icarus*, 319:1-13, doi:10.1016/j.icarus.2018.09.004, 2018. [📖](#)
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**2017**












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