Geophysical Research Abstracts Vol. 21, EGU2019-9928, 2019 EGU General Assembly 2019 © Author(s) 2019. CC Attribution 4.0 license.



## Lunar crust magnetization near the Schlüter P. Crater

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Apart from a few strong magnetic anomalies, most of the lunar crust is only weakly magnetized. We investigate the weak crustal magnetization in the vicinity of the Schlüter P. crater, situated near the western equatorial lunar limb, between Mare Orientale and Oceanus Procellarum. We use magnetic field data measured by the ARTEMIS P1 spacecraft at low altitudes and assume dipolar magnetic sources beneath the surface in order to determine the depth of the magnetization in this area. Further assuming spherical shape for the magnetic field sources, we determine the mean magnetization and the surface field. Our results suggest that the local magnetization of the crust extends over its entire depth.