

PRINT ONLY: IGNEOUS PROCESSES

Brož P. Hauber E.

[*Amenthes Cones, Mars: Hydrovolcanic \(Tuff\) Cones from Phreatomagmatic Explosive Eruptions?*](#) [#1321]

Aim of the study is a field of pitted cones located along the dichotomy boundary in the Amenthes region. We tested the hypothesis of a hydrovolcanic origin of the cones because the regional context displays lines of evidence for subsurface water ice.

Richter F. M. Watson E. B. Chaussidon M. Mendybaev R. A. Ruscitto D. M.

[*Experimental Determination of the Rate of Cooling and Isotope Fractionation of Li Diffusing into Augite and Constraints on the Cooling Rate of Martian Meteorite MIL 03346*](#) [#2094]

Laboratory experiments demonstrating isotopic fractionation of lithium diffused into an augite grain are in good agreement with the lithium abundance and isotopic profiles in an augite grain from martian meteorite MIL 03346.