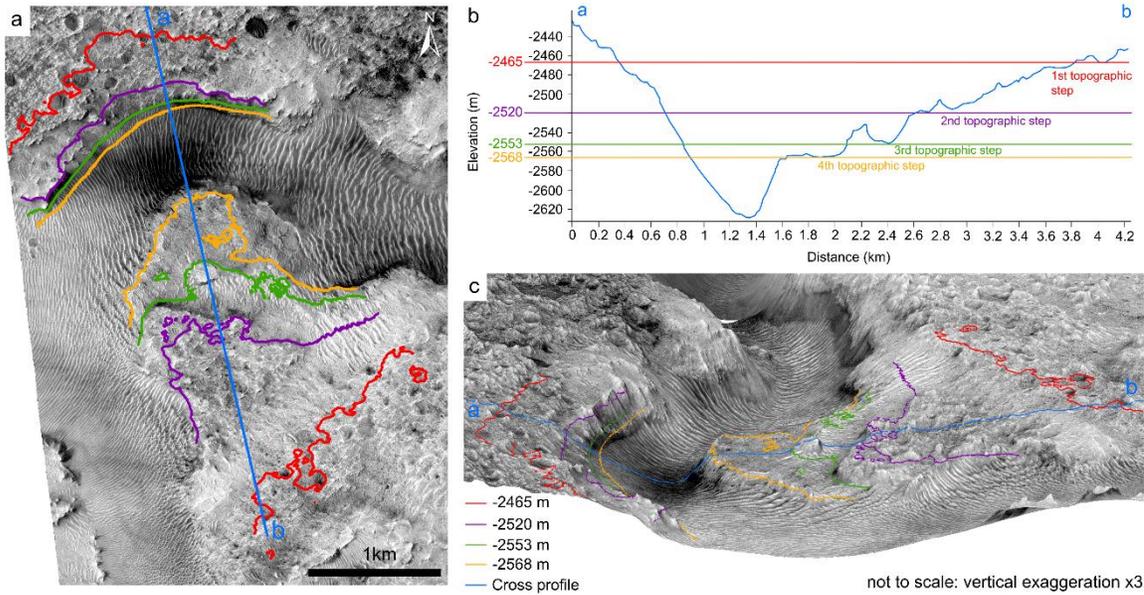


The Sporadic Fluvial Regime of Pliva Vallis, the Outlet Valley of Jezero Crater Lake, Mars

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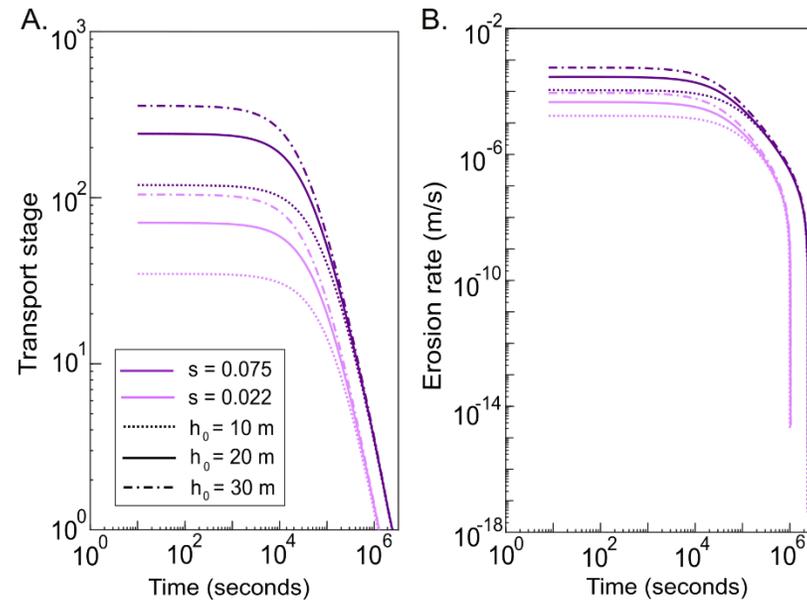
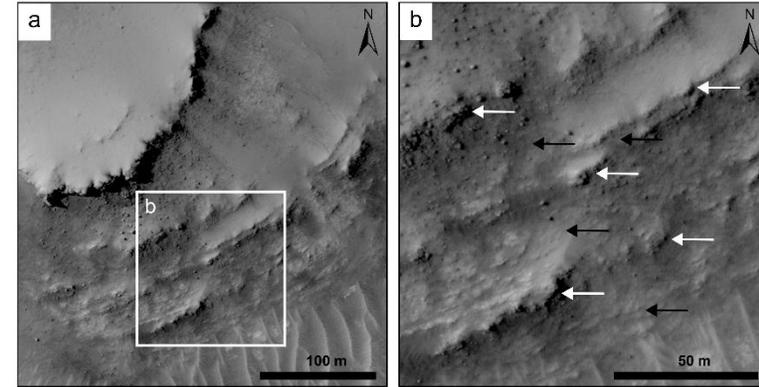
2. Topographical and morphological features



(a) HiRISE image where we identified four main topographic steps (indicated by the colored contour lines).
 (b) Cross-profile using topographic data (HiRISE DTM) in blue and identification of the four main topographic steps. (c) 3D representation.

1. Sedimentological features

(a) Stratified sedimentary deposits ~50 m high composed of alternating fine-grained deposits and boulder-rich strata. (b) Close up of Figure a.



Modeling results for the second episode. (A) Transport stage and (B) Erosion rate as a function of time

3. Time scales modeling

Goal: to provide a minimum estimate of the duration of these 4 events using a model simulating a valley formation by breach erosion and lake overflow.

→ **A few days to a few weeks**