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COVER: A gap in storm clouds illuminates "Pete's Pillars"—columnar jointing in A-type dacite, in the Gawler Range Volcanics of South Australia. This is a key example of extensive and rapid landscape re-surfacing, which represents a spike in the primary availability of fresh K-feldspar to the atmosphere at ca. 1.592 Ga. K-feldspar is the most important ice-nucleating mineral dust aerosol in mixed-phase atmospheric conditions, which influences the microphysics, and thus radiative properties, of clouds. See Pankhurst, "Atmospheric K-feldspar as a potential climate modulating agent through geologic time", p. 379–382.

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