





indicate the Vallé stage or initial uplift is Miocene starting at 17-19 Ma and continuing until 4-6 Ma. Increased rates of 400 m/myr indicate the Cañón stage is Pliocene to Holocene starting at 4-6 Ma. (Montario et al., 2005).

Combined these three adjacent study areas provide an integrated view of uplift that was accompanied by exhumation of rocks along then crest of the Andes, and canyon incision along the flanks. These ages constraints suggest uplift here is slightly younger than uplift of the Altiplano-Puna farther to the south, thus supporting northward progression of uplift in this part of the Andes.

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