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Regional Dispersion of Tephra from the Andean Volcanoes and Its Impact in Paraguay

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According to the scarce journalistic records, scientific reports and the testimony of some inhabitants in Paraguayan territory, volcanic activity in the Andes Mountain Range has had repercussions in Paraguayan territory. This refers to the dispersion of tephra originating from different volcanic conduits of the subduction zone type in the Pacific Ring of Fire located in the Chilean Andean belt, which, driven by the magnitudes of the eruptions and wind directions, traveled by advection in the atmosphere and arrived in Paraguay. This investigation highlights at least six events of this type: the eruption of the Calbuco volcano in 2015, of Puyehue in 2011, of Láscar in the years 2000 and 1993, of Quizapú in 1932, and of Cerro Blanco in the Holocene.

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