

Volcanoes as a Climate Forcing Agent: 1850 to Present

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Aerosols injected into the stratosphere are one of the significant climate forcing agents that can drive climate change on interannual and longer time scales. We compare volcanic aerosol and other climate forcings for the period 1850 to the present and carry out climate simulations using the GISS SI2002 global climate model. We discuss progress in improving the realism of the climate simulations and a strategy for further analysis of the role of volcanoes in climate change.