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Quantifying the decay timescale of volcanic sulfur dioxide in the stratosphere

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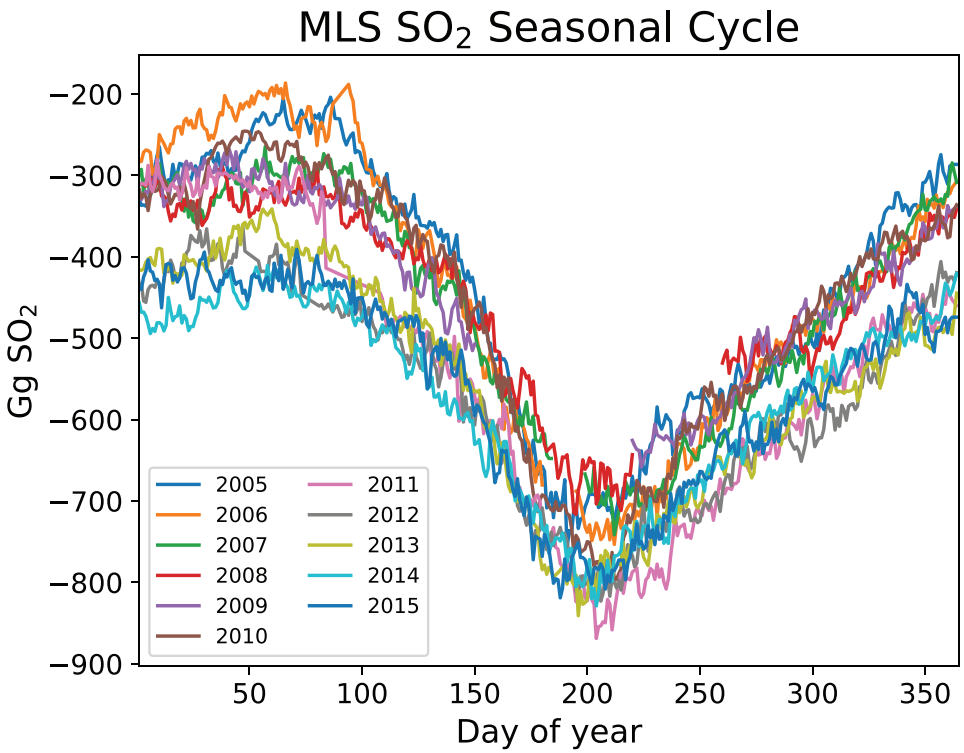

Figure S1: MLS SO_2 seasonal cycle with large volcanic eruption perturbations removed in the 10 km to 14 km height band from 40°N to 90°N.

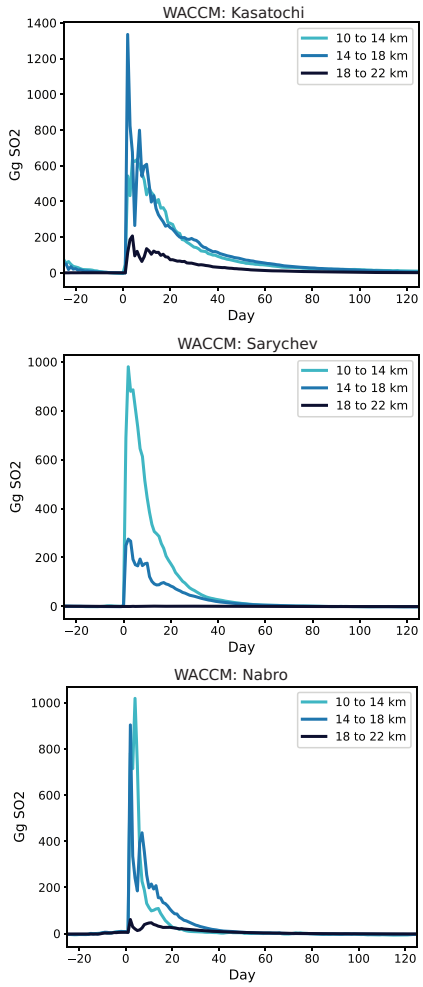

Figure S2: Volcanic SO_2 perturbation for Kasatochi 2008, Sarychev 2009, and Nabro 2011 in the WACCM model. SO_2 masses are split into three height bins: 10 to 14 km, 14 to 18 km, and 18 to 22 km.