

Interactive comment on “A revised mineral dust emission scheme in GEOS-Chem: improvements in dust simulations over China” by Rong Tian et al.

Anonymous Referee #1

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This study presents an improvement of the dust emission scheme in GEOS-Chem model by incorporating the updated soil texture and aerodynamic roughness length with spatial variability, Owen effect, drag partition correction factor as well as the updated formulation of sandblasting efficiency. Detailed model-observation comparisons are made in China. I think this paper is clearly written and organized and should be accepted in ACP.

Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2020-984>, 2020.