

Interactive comment on “Simulation of GOES-R ABI aerosol radiances using WRF-CMAQ: a case study approach” by S. A. Christopher

Anonymous Referee #3

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The manuscript overall is well written. I would recommend it for publication after the author addresses following concerns with minor revisions.

1. Since the goal here is to simulate GOES-ABI radiances, figures showing the radiances at different time of the day should be presented in the paper, at least for 1-2 cases if not all 3 cases.
2. Discuss more on the applications as well as the limitations of this study. If the results here are meant to provide an empirical relationship for generating true color images from the future GEOS-ABI data, the author shall emphasize that. However, without a direct comparison of simulated radiance with real data (such as the MODIS radiance at green, red, and blue bands), quantitative use of the approaches presented

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in the manuscript is limited.

Interactive comment on Atmos. Chem. Phys. Discuss., 13, 18713, 2013.