

Interactive comment on “Anthropogenic aerosol forcing of the AMOC and the associated mechanisms in CMIP6 models” by Taufiq Hassan et al.

Taufiq Hassan et al.

rjallen@ucr.edu

Received and published: 18 February 2021

We thank anonymous Reviewer # 1 for evaluating our manuscript. In the attached pdf (under supplement), we list our responses to each comment (in blue). We have updated Figure 1 (and others), and have added a new regression analysis, which better illustrates the role of aerosols via shortwave radiation perturbations (and the role of clouds) in driving multidecadal AMOC variability.

Please also note the supplement to this comment:

<https://acp.copernicus.org/preprints/acp-2020-769/acp-2020-769-AC1-supplement.pdf>

C1

Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2020-769>, 2020.

C2