Response to referee comments on "A machine learning-guided adaptive algorithm to reduce the computational cost of atmospheric chemistry in Earth System models: application to GEOS-Chem versions 12.0.0 and v12.9.1"

Thanks for submitting the final revision. Please revise the "Conclusions" section so that you do not reiterate the same message three times in three different paragraphs. See the suggestion for the corrections in the attached PDF.

Response. We thank the editor for his careful reading and the constructive comments that have significantly improved this manuscript. We have removed the repeated sentences as suggested.