

Response: We appreciate the reviewer's suggestion and we have added the following text at the beginning of the last paragraph of the conclusions section:

*“The methods employed in this study also have implications for studies in other regions, specifically in the use of clustering and reduced models for CCN closure. While this study has considered model performance with respect to temporal scales of variability at one site, there is an opportunity to extend this methodology to assess spatial patterns across multiple sites, and to include the development of a generalized clustering method that categorizes spatial and temporal variability. The ultimate goal of such an effort would be to estimate the global performance (by areal coverage) of reduced order CCN closure approximations, a result which has substantial importance in constraining aerosol-cloud interactions for modeling future climate scenarios. “*