

Response to revised version of „The impact of resolution on meteorological, chemical and aerosol properties in regional simulations with WRF-Chem“ by P. Crippa, R. C. Sullivan, A. Thota, S. C. Pryor

The revised manuscript documents the differences in meteorological, chemical and aerosol properties in 1 year WRF-Chem simulations of eastern North America at 12km (WRF12/WRF12-remap) and 60km (WRF60) horizontal resolution and investigates some of the reasons of the different performance between the two resolutions. Among other reasons a dry bias in the specific humidity in the boundary layer and a substantial underestimation of total monthly precipitation in WRF60 are identified as causes for the better performance of WRF12/WRF12-remap over WRF60. This is important for the topic of the study and needs to be mentioned in the abstract. After this minor change the manuscript is recommended for publication.