

Development of NCEP Global Aerosol Forecasting System: An Overview and Preliminary Results

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- NOAA NCEP is developing a common modeling framework (NEMS) using ESMF infrastructure
- A prototype on-line aerosol forecast system (NEMS/GFS-GOCART) is being developed
- Work is ongoing to test, evaluate, and refine the aerosol modeling system by comparing with aerosol modeling results and observations
- This poster presents a brief overview and preliminary results for 2008 NEMS/GFS-GOCART simulations

Annual average aerosol emissions ($\text{g}/\text{m}^2/\text{yr}$) used in the model (dust on the left panel and carbonaceous (BC+POM) aerosol on the right).

