Advanced geostationary and lidar satellite data exploitation in support of KORUS-AQ mission planning and forecasting

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Team Contributions

1. Navy Aerosol Analysis & Prediction System (NAAPS)

2. Advanced geostationary satellite products
   - Aerosol retrievals, cloud and fire products
   - COMS-1, Himawari-8 AHI (similar to GOES-R!)
   - Leverage to assist KORUS planning
   - Use KORUS data collection to evaluate

3. Advanced aerosol data assimilation
   - CALIOP vertical profiles and satellite products
   - Generate daily products for planning
   - Use KORUS data to examine observation impact

4. Science team mission planning support
   - Evaluation of model output and satellite data

NAAPS Total Optical Depth for 06:00Z 15 Apr 2015
Sulfate: Orange/Red, Dust: Green/Yellow, Smoke: Blue

MODIS Aqua
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