Aerosols and Clouds Lab Report Guidelines

Organize your report into the following sections:

1) Abstract

2) Introduction/Background
   • Largely drawn from class materials, but books like Seinfeld and Pandis (http://www.amazon.com/Atmospheric-Chemistry-Physics-Pollution-Climate/dp/0471720186/ref=sr_1_1?ie=UTF8&qid=1429020201&sr=8-1&keywords=seinfeld+and+pandis) are helpful as well.

3) Methods
   • Discussion of instruments and techniques: DustTrak, DMA (SMPS Manual), CPC, OPS, CCNC
   • Plots of data from Lab 1 for SMPS and OPS
   • Calibration of CCNC (discuss how you’ll use this correction to interpret data)

4) Results
   • DustTrak baby
   • Week-long time series of CCNC, SMPS, and OPS
     * 3 or 4 1-week HYSPLIT trajectories for Boston

5) Discussion/Implications
   • What did you learn from the data?
   • What is interesting, important, significant, etc. in your data with respect to human health, air quality, weather, climate, etc.?
   • How could you tweak the methodologies to provide more interesting info?
   • What could be possible future work?