

## AeroStat: NASA Giovanni Tool for Statistical Intercomparison of Aerosols

Jennifer C.Wei¹, Gregory Leptoukh², Chris Lynnes², Arif Albayrak¹, Maksym Petrenko³, Mahabaleshwara Hegde¹, Leonid Petrov¹, Daniel da Silva², and Charles Ichoku² (¹Adnet, ²NASA GSFC, ³UMCP)

Jennifer C.Wei@nasa.gov

## **Motivation:**

- Different papers suggested different views on the quality of MODIS and MISR aerosol products.
- · Peer-reviewed papers are usually behind the latest version of the data.
- · Difficult to verify/reproduce results from various published paper
- Difficult to combine consistently adjusted measurements
- In need of an online shareable environment where data processing and analysis can be done in a transparent way by any user of this environment and can be shared amongst all the members of the aerosol community.

## Goals:

- Provide an easy-to-use collaborative environment for exploring aerosol phenomena using multi-sensor data
- Provide consistent services with multi-sensor aerosol data
- Provide a transparent environment to colocation and comparison methods with detail documentation
- Provide easy sharing of results

