

AeroStat: NASA Giovanni Tool for Statistical Intercomparison of Aerosols

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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

