



Giovanni AeroStat: Multi-Sensors Inter-Comparisons and Bias Adjustment for Aerosols

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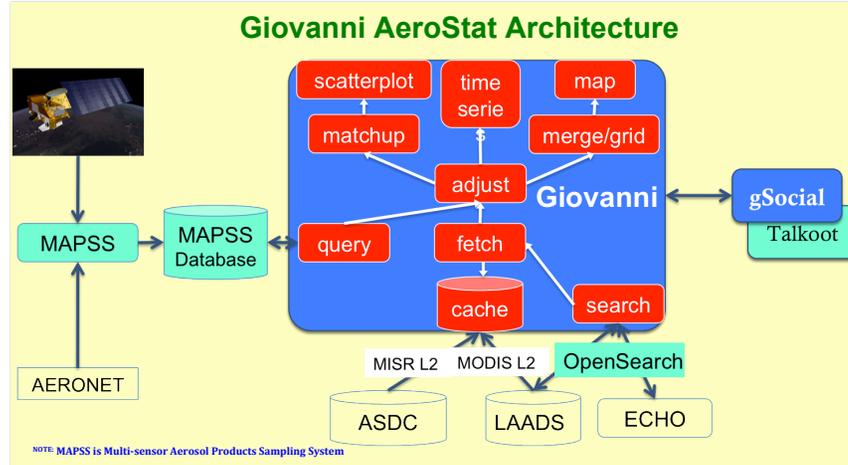
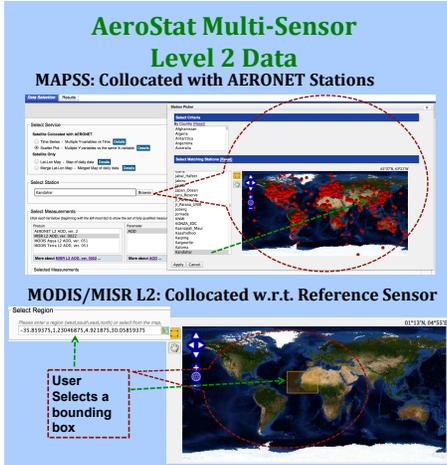
*Dr. Gregory Leptoukh was the Principal Investigator for the AeroStat project. Unfortunately, he passed away toward the end of the project. AeroStat would not have succeeded without Dr. Leptoukh's efforts and leadership linking science and technology for data analysis, data discovery, and multi-sensor data fusion. We wish to dedicate this poster to his memory.

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What is Giovanni AeroStat?

Giovanni-AeroStat is an online environment for the direct statistical intercomparison of global aerosol parameters in which the provenance and data quality can be readily accessed by scientists. It includes a collaborative research environment where aerosol scientist can seamlessly share AeroStat workflow execution, algorithms, best practices, known errors and other pertinent information with the science community.



AeroStat Features

Online Platform for Statistical Inter-comparison of Aerosols

Version 1.2 Release Notes User's Compatibility

READ ME FIRST!!

Online Quick Start

A caution before using Giovanni-AeroStat

For many purposes, especially scientific research, it is critical to read key background articles describing each satellite data set before drawing conclusions based on results obtained from Giovanni-AeroStat.

MODIS Level 2 Aerosols:

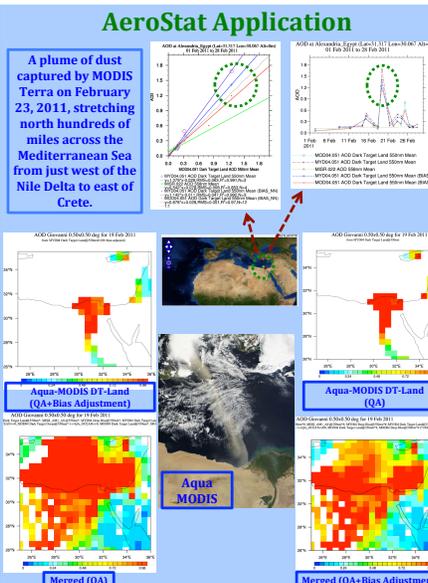
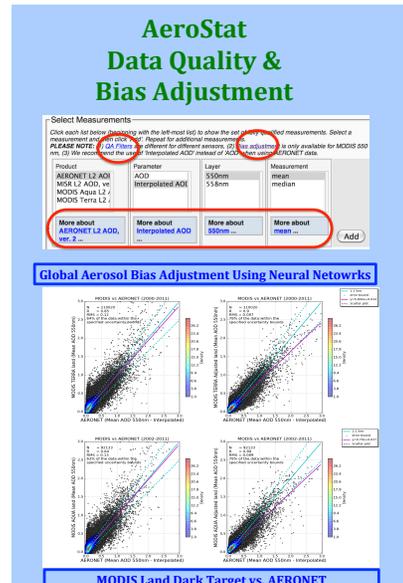
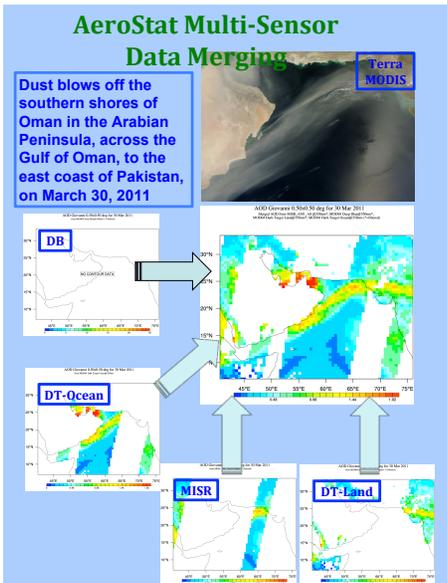
- General information on the MODIS L2 Aerosols
- Disclaimer about MODIS L2 "Dark Target" Aerosol Retrievals
- Known Problems in the MODIS L2 Aerosols

MISR Level 2 Aerosols

- MISR Level 2 Aerosol Quality Statement

Note that particular observing conditions may degrade the accuracy of remotely-sensed data products, which may cause processing algorithms to fail and result in missing data. Other types of conditions may make a data product less accurate, even though the data values may appear valid. Thus, all remotely-sensed data products should be evaluated with caution, and with respect to conditions that may cause them to be incomplete or inaccurate. Below we list several papers that address some of the challenges in working with and comparing remotely sensed aerosol data products.

Sampling Statistics Conclusion



Data Range Indication

Measurement	Begin	End
AERONET L2 AOD, ver. 2.550mm.mean	1996-10-21	2010-09-26
MISR L2 AOD, ver. 550nm.mean	2000-02-08	2011-05-26
MODIS Terra L2 AOD, ver. 051.550mm.mean	2000-03-02	2011-07-25
MODIS Aqua L2 AOD, ver. 051.550mm.mean	2002-07-04	2011-07-23

Seasonal Search Capability

Months to Repeat: January through January

Data Usage Agreement

NOTICE TO USERS:

The public domain data you are about to download are contributed by the International AERONET Federation. Each site has a Principal Investigator(s) (PI), responsible for deployment, maintenance and data collection. The PI has asked that every practical attempt be made to honor the following general guidelines.

I AGREE | DO NOT AGREE

gSocial

Data Selection Results

History Criteria Save/Share Problem? Send a report!

Result 1 - Time Series

Result 2 - Lat-Lon Map

Result 3 - Scatter Plot

Plots Downloads Lineage

Plot Options Save Plots as PDF