

# 1<sup>st</sup> Workshop on the Assessment of Global Aerosol Products

## Aerosol Working Group (AWG) for the GEWEX Radiation Panel

14-15 September 2006  
Earth System Science Interdisciplinary Center  
University of Maryland, College Park, MD 20742

### Meeting Goals

- (1) Formation of the new aerosol working group (AWG) under the GEWEX Radiation Panel (GRP)
- (2) Planning for joint assessment of satellite aerosol retrievals in support of the production of consistent long-term aerosol data products for climate studies.

### Agenda – Final

#### Thursday AM

**Chair: Z. Li**

0830-0835: Welcome Remarks and Meeting Logistics (Z. Li, P. Arkin, R. Dickerson, Linda Carter)

0835-0900: Introduction of the GEWEX Products Assessment Initiative (W.B. Rossow)

0900-0930: GACP report (M. Mischenko)

0930-1000: The TOMS long-term record of aerosol properties from near UV observations (O. Torres).

1000-1030: A critical examination of the MODIS aerosol products and their usefulness in estimating global aerosol radiative effects and forcing (L. Remer)

1030-1100: Break

**Chair: H. Maring**

1100-1130: Inter-comparison of MODIS, AVHRR and TOMS aerosol products and algorithms (Z. Li)

1130-1200: MISR Aerosol Product Strengths and Limitations for Large-Scale and Long-Term Climate Studies (R. Kahn)

1200-1300: Lunch (provided)

#### Thursday PM

**Chair: W. Rossow**

1300-1330: Analysis of historical PATMOS AVHRR aerosol data in support of long-term trend study (T. Zhao)

1330-1400: An evaluation of single- and multi-channel aerosol optical depth retrievals (I. Laszlo)

1400-1430: MODIS and GLI aerosol analysis with 4-channel algorithm and the

comparison with SPRINTARS model simulations (A. Higurashi).  
1430-1500: Progress toward the CALIPSO aerosol product (D. Winker)  
1500-1530: Break

**Chair: T. Zhao**

1530-1600: Improvements in AERONET aerosol products based on Version 2 processing and synergism with parameters (B. Holben)  
1600-1630: Issues in validating satellite aerosol products against ground-based observations (C. Ichoku)  
1630-1700: Aerosol products over oceans derived from SeaWifs and MODIS (M. Wang)

1730: End of the day

Friday AM **Chair: M. Mishchenko**

0900-0930: Developing a long-term vision: Recommendations from the August 2005 Williamsburg NASA Aerosol Strategy Workshop (D. Diner)  
0930-1000: Combined use of model and satellite data for evaluating near-term to long-term aerosol trends (M. Chin)  
1000-1030: Aerosol model evaluation challenges with reference to AeroCom (M. Schulz)  
1030-1100: Break

**Chair: L. Remer**

1100-1130: Global MODIS aerosol product using the deep algorithm over land (C. Hsu)  
1130-1200: Data mining support for aerosol retrieval and analysis (Z. Obradovic)  
1200-1300: Lunch (Provided)

Friday PM

1300-1600: Group discussions  
Issues to be addressed  
(1) Cloud screening methods  
(2) Surface effects  
(3) Aerosol models  
(4) Retrieval algorithm  
(5) satellite-ground comparison issues  
(6) Synergy issues  
(7) Strategy and roadmap for generating integrated consensus long-term global aerosol products  
(8) Organization and collaboration

1600-1630: Break  
1630-1730: Action items and recommendations  
Concluding Remarks (Hal Maring)