1st 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**

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)