Agenda

MODIS Atmosphere Group Meeting
University of Maryland Inn and Conference Center

October 31 – November 1, 2006; Adelphi, MD

Afternoon Session, Tuesday, October 31, 3:45 pm - 5:25 pm

Aerosol Optical Properties

"Looking Forward: Using MODIS for Aerosol Science over the Next Three Years" — 3:45 pm
Lorraine Remer, Goddard Space Flight Center
Vanderlei Martins, University of Maryland Baltimore County (UMBC),
Rob Levy, Charles Ichoku, University of Maryland-College Park (UMCP)

"Dust Aerosol Radiative Effects from Terra and Aqua" — 4:05 pm
Thomas Jones, Sundar Christopher and Jianglong Zhang,
University of Alabama, and Lorraine Remer, GSFC

"Aerosol Retrievals using Airborne Lidar and MODIS Measurements" — 4:25 pm
Richard Ferrare, Edward Browell, and Sayed Ismail,
NASA Langley Research Center,
Yoram Kaufman, Lorraine Remer, Goddard Space Flight Center,
Vanderlei Martins, University of Maryland-Baltimore County,
Jean-François Léon, Laboratoire d'Optique Atmosphérique, CNRS, and
Carolyn Butler, Marion Clayton, and Sharon Burton,
Science Applications International Corp. (SAIC), LaRC

"Evaluation of Global Biomass Burning Carbon Emission Estimates using Fire Radiative Power and Aerosol products from MODIS" — 4:45 pm
Eric Vermote, UMCP,
Oleg Dubovik, Université des Sciences et Technologies de Lille, France,
Nazmi Saleous, United Arab Emirates University, UAE,
François Petitcolin, ACRI-USA,
Tatyana Lapyonok, Science Systems & Applications (SSAI),
Yoram Kaufman and Mian Chin, Goddard Space Flight Center, and
Louis Giglio, SSAI, and Evan Ellicott, UMCP

"Aerosol Remote Sensing in the Vicinity of Clouds" — 5:05 pm
Jens Redemann and Qin Zhang, Bay Area Environ. Research Institute,
Philip Russell, NASA Ames Research Center, and
Beat Schmid, Pacific Northwest National Laboratory

Adjourn — 5:25 pm

Morning Session, Wednesday, November 1, 8:30 am - 12:00 pm

Cloud Radiative and Microphysical Properties

"MODIS Infrared Cloud Phase and Ice Radiative Transfer Code" Bryan Baum, Richard Frey, Paul Menzel, and Robert Holz, CIMSS, University of Wisconsin	8:30 am
"Location of Stratocumulus Cloud-Top Heights in the Presence of Strong Inversions" Harshvardhan, Purdue University, and Larry Di Girolamo, University of Illinois	8:50 am
"Overestimation of Cloud Cover in the MODIS Cloud Product" Andrea Schuetz, James Coakley, and William Tahnk, Oregon State University	9:10 am
"Cloud Susceptibility from MODIS Level-3 Daily Cloud Products" Lazaros Oreopoulos, UMBC, and Steven Platnick, GSFC	9:30 am
Break	9:50 am
"Radiative Forcing of Tropical Ice Clouds using the MODIS/AIRS Products and Modeling Capabilities" Ping Yang and Gang Hong, Texas A&M University, Bryan Baum, CIMSS, and Bo-Cai Gao, Naval Research Laboratory	10:20 am
"How 3D Science Can Help to Correctly Interpret MODIS Data for Better Understanding of Aerosol-Cloud Interactions" Alexander Marshak, Goddard Space Flight Center, Tamas Várnai and Guoyong Wen, UMBC, GSFC Brian Vant-Hull, UMCP, GSFC Frank Evans, University of Colorado, and Robert Cahalan, Goddard Space Flight Center	10:40 am

Intercomparison with Instruments on the A-Train

"MODIS/CALIPSO Comparisons" Steve Ackerman and Robert Holz, CIMSS, University of Wisconsin	11:00 am
"Aqua/MODIS and PARASOL Observations of Cloud Properties" Jérôme Riédi, Didier Tanré, Frédeéric Parol and Jean-Luc Deuzé Université des Sciences et Technologies de Lille, France	11:20 am

Ground-based Measurements and Validation

"Recent SMART-COMMIT Observations of Smoke and Dust Aerosols" 11:40 am
Si-Chee Tsay, Goddard Space Flight Center, and
Q. Jack Ji and Myeong-Jae Jeong, UMCP, GSFC

Lunch 12:00 pm

Afternoon Session, Wednesday, November 1, 1:30 pm - 5:30 pm

Ground-based Measurements and Validation (continued)

"Application of an On-Line Relational Database for Comparison of MODIS Collection 5 Cloud Properties to Ground-Based Measurements" 1:30 pm
Jay Mace, Chris Galli, and Sally Benson
University of Utah
Steven Platnick, Goddard Space Flight Center, and
Patrick Minnis, Langley Research Center

Ocean and Atmosphere Applications

"Retrieving Water Leaving Radiance from MODIS Land and Ocean Color Channels" 1:50 pm
Bo-Cai Gao, Naval Research Laboratory

"Simultaneous Retrieval of Aerosol and Chlorophyll from MODIS Radiances" 2:10 pm
Clark Weaver, UMCP, GSFC

"Light Reflection Off Water Waves: Mimicking Sunglint Under Controlled Laboratory Conditions" 2:30 pm
Matteo Ottaviani, Jeff Kosculics, Hans Eide, Knut Stamnes,
Stevens Institute of Technology,
Wenying Su, Langley Research Center,
Warren Wiscombe and Steven Long, Goddard Space Flight Center

Data Use, Assimilation & Interdisciplinary Science Investigations

"MODIS Data used by National Weather Service Forecasters" 2:50 pm
Jordan Gerth, CIMSS, University of Wisconsin

Break 3:10 pm

"Positive Impact of MODIS Cloud Mask on SST Comparisons with Microwave Retrievals" 3:40 pm
Corey Calvert, CIMSS, University of Wisconsin

	"Six-Years of Global Aerosol Distribution from MODIS and GOCART" Mian Chin, Goddard Space Flight Center, Tom Kucsera, Louis Giglio, Science Systems & Applications (SSAI), and Thomas Diehl, University of Maryland-Baltimore County, Lorraine Remer, Goddard Space Flight Center, Allen Chu, UMBC, GSFC, and Rob Levy, UMCP, GSFC	4:00 pm
	"Using MODIS Aerosol Data to Constrain GISS GCM Aerosol Climatology" Andrew Lacis, Goddard Institute for Space Studies, Li Liu and Brian Cairns, Columbia University, GISS, and Barbara Carlson, Goddard Institute for Space Studies	4:20 pm
Tools		
	"GlobeGrid: Advanced Analysis Area Selection Tool for Gridded Products" Gala Wind, Science Systems & Applications (SSAI)	4:40 pm
Further Discussions		
	"Need and Plans for Collection 6" Paul Menzel, NOAA/NESDIS, University of Wisconsin	4:50 pm
	"Discussions on Mission Extension Proposals: Need for MODIS on Terra and Aqua…" Michael King, NASA Goddard Space Flight Center	5:10 pm
	Adjourn	5:30 pm