



**Agenda**  
**MODIS Atmosphere Team Breakout Meetings**  
**L'Enfant Plaza Hotel, Washington D. C.**  
**January 26-27, 2010**

**Lunch/Poster Session: Tuesday, January 26** **12:00-2:00 pm**

**Collection 6 (C6): Tuesday, January 26** **2:00-6:00 pm**

**Level-2: Major C6 Algorithm Changes and Efforts** **2:00-4:00 pm**

*Succinct statement of major items (e.g., bullet list and example impacts) with discussion, from teams that have ongoing C6 efforts. Some algorithm teams will have less/more to say, so no attempt to budget time by team – but nominally only ~17 min/team.*

- MOD04 Aerosol (standard): Lorraine Remer, Rob Levy, Shana Mattoo
- MOD06 Cloud Mask: Steve Ackerman, Rich Frey
- MOD06 Cloud Top Properties: Paul Menzel, Steve Ackerman, Rich Frey
- MOD06 Cloud Optical Properties: Steve Platnick, Michael King, Gala Wind
- New Ice Cloud Scattering Calculations and Model Development: Ping Yang, Bryan Baum
- MOD06 Cirrus Reflectance and MOD05 NIR Precipitable Water: Bo-Cai Gao
- MOD07 Profiles and Precipitable Water: Paul Menzel, Eva Borbas

**Break** **4:00-4:15 pm**

**C6 Testing at MODAPS** **4:15-4:30 pm**

“MODAPS testing system status”, Mike Teague, George Britzolakis, Gang Ye, Bill Ridgway

## Tuesday, January 26, continued

### Level-3 Aggregation Issues/Efforts and C6 Schedule

4:30-6:00 pm

*Again, succinct overviews and will try to keep things informal, nominal time allotments are given.*

#### Issues

- “Recent view-angle/orbit-dependency studies”, Brent Maddux, Steve Ackerman, Steve Platnick, Paul Hubanks [15 min]
- “Summary of aggregation sensitivities for aerosol studies”, Rob Levy [10 min]
- “Impact of *day* definition on daily correlative studies”, Greg Leptoukh [10 min]

#### Alternate (Research) L3 approaches

- “PATMOS-x approach”, Andy Heidinger [15 min]
- “MODATML2 in support of future infrastructure for custom aggregations”, Hubanks, et al. [10 min]

#### Recent Efforts

- “Aggregations for Climate Modelers: MODIS cloud simulator and subsetted netCDF files”, Robert Pincus [15 min]

C6 Schedule and Tracking: Steve Platnick, Bill Ridgway [15 min]

**Lunch/Poster Session: Wednesday, January 27** **12:00-2:00 pm**

**Data Analysis/Validation: Wednesday, January 27** **2:00-4:00 pm**

Clouds

“Evaluating ice formation in tropical anvils using CRM-based simulations of MODIS and POLDER measurements”, Bastiaan van Dierenhoven, Ann Fridland, Andy Ackerman 2:00-2:20 pm

“Errors in optical depths and droplet radii retrieved for marine stratocumulus”, J.A. Coakley, Jr., R.C. Boeke, C.R. Hayes, and W.R. Tahnk 2:20-2:40 pm

Clouds & Aerosols

“Smoke over clouds: Response of marine stratocumulus to African savannah burning”, Eric Wilcox 2:40-3:00 pm

“MODIS aerosol properties near clouds”, Sasha Marshak et al. 3:00-3:20 pm

Aerosols:

“Results from the MODIS aerosol product: overview and recent criticisms”, Lorraine Remer 3:20-3:40 pm

“Using Airborne High Spectral Resolution Lidar Data to Evaluate Combined Active (lidar)/Passive (MODIS) Retrievals of Aerosol Extinction Profiles”, Rich Ferrare 3:40-4:00 pm

**Break** 4:00-4:20 pm

**VIIRS Updates, Wednesday, January 27** **4:20-6:00 pm**

“Aerosols EDRs: Status of instrument-related issues and other updates”, Christina Hsu 4:20-4:40 pm

“Cloud EDRs: Status of instrument-related issues and other updates”, Bryan Baum 4:40-5:00 pm

“Overview of the VIIRS cloud and aerosol validation plan”, David Starr 5:00-5:20 pm

As time and energy permits, a discussion of how/if we can eventually merge the AVHRR/HIRS, MODIS, and VIIRS data records: Steve Ackerman, lead.