

Agenda

7th CERES-II Science Team Meeting

**Marriott Hotel
City Center at Oyster Point, Newport News VA
April 24-26, 2007**

Major Objectives for the Meeting:

- 1. *Review status of CERES Instruments and Data Products:***
 - Status of NASA/U.S.CCSP/EOS/Senior Reviews and CERES on NPP and NPOESS
 - Terra and Aqua SW/LW/TOTAL channel calibration for Edition 3
 - Edition 3 cloud algorithm development and validation
 - SRBAVG production of daily means in addition to monthly means and release of SRBAVG up to December 2005 for both Aqua and Terra.
 - SYN and AVG: the level 3 gridded version of CRS data product
 - CRS Edition 2, including processing transition from SGI to IBM cluster
 - GEWEX Radiative Flux Assessment
 - GERB Status Update
 - EOSDIS Evolution Activities at the Langley DAAC: transition from LATIS and SGI toward ANGE and commodity cluster computing
 - Conversions of CERES production codes to cluster computing, production automation

- 2. *CERES specific Co-I Reports. Each report is 20min including time for questions.***

Meeting Minutes: PDF

We plan to publish the minutes of the meeting electronically, so please send an electronic copy of your presentation to Mike Little (Michael.M.Little@nasa.gov) either before or following the meeting. Desired format is a pdf document.

**Dutch Treat Dinner: 6:30pm Tuesday Evening
(Al Fresco Italian Cuisine, 11710-A Jefferson Avenue, Newport News, VA 23602)
<http://alfrescoitalianrestaurant.com/>**

Tuesday, April 24

Marriott Hotel City Center at Oyster Point

8:00 am Coffee/Danish

- 8:30 am Meeting Logistics, Welcome *Loeb/Wielicki*
- 8:40 am State of U.S. CCSP/EOS/CERES/NPP/NPOESS
Decadal Study/A-train/NASA RTO/ASIC *B. Wielicki*
- 9:20 am Terra and Aqua SW/LW/TOTAL channel calibration for
Edition 3 *K. Priestley/G. Matthews*

10:20 am Break

- 10:40 am Edition 3 cloud algorithm development and validation *P. Minnis*
- 11:25 am Status of the Surface Only Flux Algorithms (SOFA) Processing
(Simple Surface Flux Models) *S. Gupta/D. Kratz*
- 11:40 pm Terra/Aqua CRS *T. Charlock*

12:10 pm Lunch

- 2:00 pm SRBAVG production of daily means *D. Doelling*
- 2:40 pm SYN and AVG *F. Rose*

3:10 pm Break

- 3:30 pm Comparison of CERES SRBAVG and AVG/ZAVG
to GEWEX SRB Surface Flux Products *P. Stackhouse*
- 3:50 pm GERB Update *Matthews/Russell*
- 4:10 pm S'COOL *L. Chambers*
- 4:30 pm CERES Data Management: Status, Code Conv, Automation *M. Little/E. Geier*

5:00 pm Adjourn

- 6:30 pm Dutch Treat Dinner: Al Fresco Italian Cuisine (<http://alfrescoitalianrestaurant.com/>)**

Wednesday, April 25

Marriott Hotel City Center at Oyster Point

- 8:00 am **Coffee/Danish**
- 8:30 am **Working Group Sessions** *All*
Angular Modeling (Loeb et al.)
Surface to TOA Fluxes (Charlock et al.)
Cloud Properties (Minnis et al.)
- INVITED PRESENTATIONS**
- 9:30 am Stephen Warren presentation *S. Warren*
- 10:10 pm Break**
- 10:30 am Assessing Global Energy Budgets Using Multiple Datasets and Closure Constraints *J. Fasullo/K. Trenberth*
- 11:10 am CALIPSO Status and Results *D. Winker*
- 11:50 pm **Lunch**
- Co-I Reports**
- 1:30 pm Atmospheric Amplification of Pacific Decadal Variability *R. Burgman/A. Clement*
- 1:50 pm The Influence of Saharan Dust Layers on Convection and Precipitation: A Case Study *B. Lin*
- 2:10 pm The Impact on NCEP Forecast Systems by Longwave RRTM *S.-K. Yang*
- 2:30 pm Competing Influences of Water Vapor and Clouds on Synoptic and Interannual Changes to Radiative Heating Profiles at CERES CAVE Sites *T. Charlock*
- 2:50 pm Study of the Radiative Effect of Thin Cirrus Clouds using CERES, MODIS, and AIRS Data *P. Yang*
- 3:10 pm Comparison of SW Flux Profiles from CERES TRMM and UKMO GCM *W. Su*
- 3:30 pm Break**
- 3:50 pm Latest conclusions on the CERES/POLDER albedo comparisons *M. Viollier*
- 4:10 pm Latest results from the GEWEX Radiative Flux Assessment *L. Hinkleman*
- 4:30 pm Validation of CERES permanent snow and sea ice angular distribution models *S. Kato*
- 4:50 pm Vertical distribution of cloud properties derived from both ARM radar and CERES-MODIS observations *X. Dong*
- 5:10 pm Comparison of GERB with CERES Edition 2 products *Ipe/Dewitte*
- 5:30 pm Adjourn**

Thursday, April 26

Marriott Hotel City Center at Oyster Point

8:00 am **Coffee/Danish**

Co-I Reports: Continued.

- 8:30 am Socrates *P. Mlynczak*
- 8:50 am Comparisons of Partly Cloudy Pixel Retrievals with MODIS and CERES Cloud Products *J. Coakley*
- 9:10 am MISR and CALIPSO data in twilight zone: 3D or aerosol effect? *W. Sun*
- 9:30 am The Effect of Aerosol Swelling on the Fraction of Accumulation Mode Aerosols and the Angstrom Exponent *G. Schuster*
- 9:50 am **Break**
- 10:10 am Transition from MODIS to NPP/NPOESS-VIIRS Aerosol Retrieval *I. Laszlo*
- 10:30 am Aerosol retrieval over ocean from SEVIRI for the use in GERB Earth's radiation budget analyses *A. Ignatov*
- 10:50 am FIRST - Status and results from two balloon flights and a ground-based measurement campaign *M. Mlynczak*
- 11:10 am Bridging the ERBS and the CERES SW climate record *T. Wong*
- 11:30 am **Action Items, Final Discussion** *B. Wielicki*
- 12:00 pm **Adjourn**