Agenda

8th CERES-II Science Team Meeting

Fairmont Empress Hotel Conference Center
Victoria, B.C., Canada
November 14-16, 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
   - Edition3 cloud algorithm development and validation
   - SRBAVG production of 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
   - New MERRA meteorological data assimilation system: influence on cloud properties and fluxes
   - 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 Wednesday Evening
Wednesday, November 14

Fairmont Empress Hotel Conference Center, Victoria, B.C.

9:00 am - Noon  Completion of Aerosol Indirect Effects Workshop

Noon  Lunch

1:00 pm  Meeting Logistics, Welcome  
N. Loeb/B. Wielicki

1:10 pm  State of U.S. CCSP/EOS/CERES/NPP/NPOESS  
Decadal Study/A-train/NASA RTO/ASIC  
B. Wielicki

1:50 pm  Terra and Aqua SW/LW/TOTAL channel calibration for  
Edition 3: Preliminary Results and Future Plans  
K. Priestley/N. Loeb

3:00 pm  Break

3:20 pm  Edition 3 cloud algorithm development and validation using  
CALIPSO/CloudSat  
P. Minnis

4:05 pm  Recent Improvements in Surface-Only Flux Algorithm Calculations  
of Single Scanner Footprint Fluxes  
D. Kratz/S. Gupta

4:35 pm  Terra/Aqua CRS  
T. Charlock

5:05 pm  SRBAVG Products Validation/Status  
D. Doelling

5:35 pm  Adjourn

6:30 pm Dutch Treat Dinner: CANOE Brewpub, Restaurant & Marina (on Victoria’s downtown  
waterfront) http://www.canoebrewpub.com/
Thursday, November 15

Fairmont Empress Hotel Conference Center, Victoria, B.C.

8:00 am  **Coffee/Danish**
8:30 am  SYN and AVG Products  D. Doelling/F. Rose
9:00 am  S'COOL  L. Chambers/N. Loeb
9:15 am  CERES Data Management Status  E. Geier
9:30 am  ASDC Update: ANGe, Automation, CERES Data Usage  J. Closs
9:45 am  Future CERES Data Processing  M. Little
10:00 am  GERB Update  R. Bantges

**10:20 am**  **Break**

10:45 am  **Working Group Sessions**  All
  Angular Modeling (Loeb et al.)
  Surface to TOA Fluxes (Charlock et al.)
  Cloud Properties (Minnis et al.)

12:00 pm  **Lunch**

**INVITED PRESENTATIONS**

1:30 pm  Why is Climate Sensitivity So Unpredictable?  G. Roe
2:15 pm  The Energy Cycle in Atmospheric Models  G. Boer
3:00 pm  Using CERES Data to Evaluate Clouds and Radiative Fluxes in the CCCma AGCM  J. Cole

**3:45 pm**  **Break**

**Co-I Reports**

4:00 pm  Sensitivity simulations of boundary-layer cloud objects to modifications of ECMWF meteorological state data using a cloud-resolving model  K. Xu
4:20 pm  Cloud overlap characteristics from CloudSat: Implications for radiative transfer calculations in global models  H. Barker
4:40 pm  How to evaluate climate model simulations using surface-satellite Observations  X. Dong
5:20 pm  Derivation of Component Aerosol Direct Radiative Forcing and the Validation  Tom Zhao

**5:40 pm**  **Adjourn**
Friday, November 16

Fairmont Empress Hotel Conference Center, Victoria, B.C.

8:00 am  Coffee/Danish

Co-I Reports: Continued.

8:30 am  Satellite retrievals of optical depth and effective radius in nocturnal stratocumulus clouds: results from Dycoms II field campaign  

8:50 am  Comparison of single- and multi-channel AOD revisited  

9:10 am  Status of MERRA/GEOS5  

9:30 am  Earth Radiation Budget in NCEP Climate Forecast System Reanalysis and Reforecast  

9:50 am  Variations in radiative properties of different types of clouds observed from CERES  

10:10 am  Variability of Global Radiation Budget  

10:30 am  Break  

10:40 am  An Algorithm for Balancing the Budget  

11:00 am  Current Status of the ERBS Nonscanner SW Data Record From 10/99 to 08/05  

11:20 am  Retrievals of Multi-layered Cloud Properties  

11:40 am  Testing Snow Grain Size Retrieval in Comparison with MODIS/CERES radiances Over Antarctic Plateau  

12:00 pm  Lunch  

1:30 pm  NRC Decadal Survey CLARREO Mission & Climate Calibration  

1:50 pm  CALIPSO/CloudSat/CERES/MODIS Merged Data Product: Status  

2:10 pm  GEWEX Radiative Flux Assessment Update  

2:30 pm  Relations between geo artifacts in ISCCP cloud data and surface fluxes from the NASA/GEWEX SRB  

2:50 pm  International collaboration on future earth radiation measurements and first GERB climate results  

3:10 pm  Action Items, Final Discussion  

3:20 pm  Adjourn