

# Agenda

## 8<sup>th</sup> 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
- Extension of CERES Edition 2 data products using MODIS Collection-5
- 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](mailto:Michael.M.Little@nasa.gov)) either before or following the meeting. Desired format is a pdf document.*

**Dutch Treat Dinner: 6:30pm Wednesday Evening**



# Thursday, November 15

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

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

## **10:20 am Break**

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

## 12:00 pm **Lunch**

### **INVITED PRESENTATIONS**

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

## **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	<i>K. Xu</i>
4:20 pm	Cloud overlap characteristics from CloudSat: Implications for radiative transfer calculations in global models	<i>H. Barker</i>
4:40 pm	How to evaluate climate model simulations using surface-satellite Observations	<i>X. Dong</i>
5:20 pm	Derivation of Component Aerosol Direct Radiative Forcing and the Validation	<i>Tom Zhao</i>

## **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 *P. Austin*
- 8:50 am Comparison of single- and multi-channel AOD revisited *I. Laszlo*
- 9:10 am Status of MERRA/GEOS5 *M.L. Wu*
- 9:30 am Earth Radiation Budget in NCEP Climate Forecast System Reanalysis and Reforecast *S.K. Yang*
- 9:50 am Variations in radiative properties of different types of clouds observed from CERES *B. Lin*
- 10:10 am Variability of Global Radiation Budget *S. Kato*
- 10:30 am **Break**
- 10:40 am An Algorithm for Balancing the Budget *L. Smith*
- 11:00 am Current Status of the ERBS Nonscanner SW Data Record From 10/99 to 08/05 *T. Wong*
- 11:20 am Retrievals of Multi-layered Cloud Properties *F.-L. Chang*
- 11:40 am Testing Snow Grain Size Retrieval in Comparison with MODIS/CERES radiances Over Antarctic Plateau *Z. Jin*
- 12:00 pm **Lunch**
- 1:30 pm NRC Decadal Survey CLARREO Mission & Climate Calibration *B. Wielicki*
- 1:50 pm CALIPSO/CloudSat/CERES/MODIS Merged Data Product: Status *S. Kato*
- 2:10 pm GEWEX Radiative Flux Assessment Update *T. Wong*
- 2:30 pm Relations between geo artifacts in ISCCP cloud data and surface fluxes from the NASA/GEWEX SRB *L. Hinkelman*
- 2:50 pm International collaboration on future earth radiation measurements and first GERB climate results *S. Dewitte*
- 3:10 pm **Action Items, Final Discussion** *B. Wielicki/N. Loeb*
- 3:20 pm **Adjourn**