

# **Final Agenda**

## **Clouds and the Earth's Radiant Energy System (CERES) Science Team Meeting**

**Lawrence Livermore National Laboratory  
Livermore, CA**

**October 4-6, 2011**

### **Major Objectives for the Meeting:**

- 1. Review status of CERES Instruments and Data Products.*
- 2. CERES-specific Science Reports. Invited presentations are 45 minutes. Contributed science presentations are 20 minutes 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 Jim Closs (james.w.closs@nasa.gov) either before or following the meeting. Desired format is a pdf document.*

### **Sponsors and Point of Contact (POC):**

Technical POC: Norman Loeb, NASA  
Technical POC: Steven Klein, LLNL  
Administrative POC: James Closs, SSAI  
Administrative POC: Margie Altenbach, LLNL  
Administrative POC: Sarah Crecelius, SSAI

**On-site refreshments hosted by SSAI  
October 4-6, 2011**

**Off-site Luncheon hosted by Office of Strategic Outcomes, LLNL  
October 5, 2011  
(Transportation to/from Restaurant provided by Office of Strategic Outcomes, LLNL)**

## Tuesday, October 4

*Lawrence Livermore National Laboratory  
B170, R1091/1092*

<b>7:00 am</b>	<b>Badging</b>	<i>M. Altenbach</i>
<b>7:30 am</b>	<b>Coffee/Danish</b>	
8:30 am	Welcome	<i>B. Goldstein</i>
8:35 am	Meeting Logistics	<i>M. Altenbach</i>
8:40 am	State of CERES	<i>N. Loeb</i>
	<b>INVITED PRESENTATION</b>	
9:15 am	Climate Modeling Research in the Era of MIPs and PCMDI	<i>P. Gleckler</i>
<b>10:00 am</b>	<b>Break</b>	
10:30 am	CERES FM1-FM6 Instrument Status Report	<i>K. Priestley</i>
11:00 am	First Results from CERES Edition 4 Cloud Algorithms	<i>P. Minnis</i>
11:30 am	Towards Improved CERES Angular Distribution Models	<i>W. Su</i>
<b>12:00 pm</b>	<b>Lunch</b>	
1:30 pm	Surface-Only Flux Algorithm Report	<i>D. Kratz</i>
1:50 pm	Surface and Atmospheric Radiation Budget Working Group Update	<i>S. Kato</i>
2:20 pm	Time-Space Averaging Update	<i>D. Doelling/M.Sun</i>
<b>3:00 pm</b>	<b>Break</b>	
3:30 pm	CERES Data Management Activity Update	<i>J. Gleason</i>
4:00 pm	Atmospheric Sciences Data Center (ASDC) Update	<i>S. Sorlie</i>
4:20 pm	CERES Education and Outreach Update	<i>S. Crecelius</i>
<b>4:40 pm</b>	<b>Adjourn</b>	

## Wednesday, October 5

Lawrence Livermore National Laboratory  
B170, R1091/1092

8:00 am **Coffee/Danish**

8:30 am **Working Group Sessions, Rms: 1091, 2182, 2003, 1107** *All*  
*Angular Modeling (Su et al.)*  
*Surface to TOA Fluxes (Kato et al.)*  
*Cloud Properties (Minnis et al.)*

### INVITED PRESENTATIONS

9:30 am Using Satellite Simulators to Diagnose Clouds in Climate Models *S. Klein*

**10:15 am Break**

10:45 am Muted Tropospheric Warming After 1998: "Evidence of Absence" of a Human Effect on Global Climate? *B. Santer*

11:30 am **Luncheon—Off Site**

1:45 pm Resolution of Outstanding Issues in Climate Research with Earth Radiation Budget Data: Past and Future *V. Ramanathan*

### Science Reports

2:30 pm Heating of Earth's Climate System Continues Despite Slowing of Surface Warming in Past Decade *N. Loeb*

2:50 pm Model Evaluation of Ice/Liquid Water Content, Radiation and Energy Budget for 20th Century IPCC AR 4th and 5<sup>th</sup> Simulations *J. Li*

3:10 pm Evaluation of NASA GISS AR5 Simulated Global Clouds and TOA Radiation Budgets Using CERES-MODIS Observations *X. Dong*

3:30 pm Representation of Cloud and TOA Radiative Flux Diurnal Cycles in the CanAM4 *P. Taylor*

**3:50 pm Break**

### Science Reports: Continued

4:15 pm Preliminary Comparisons of TOA Radiation Budget between CERES Observations and MERRA Reanalysis Data *T. Wong*

4:35 pm A Method for Comparing Annual and Seasonal Cycles of TOA Fluxes: A Test Case Using CERES EBAF and the GSFC GEOS-5 *J. Potter*

4:55 pm Is the Hemispheric Symmetry of Planetary Albedo a Coincidence? *A. Voigt*

**5:10 pm Adjourn**

## Thursday, October 6

*Lawrence Livermore National Laboratory  
B170, R1091/1092*

- 8:00 am **Coffee/Danish**
- Science Reports: Continued**
- 8:30 am Variations of Radiation Fields with Environmental Conditions Observed by 10 years of CERES Observations *B. Lin*
- 8:50 am The Observed Sensitivity of High Clouds to Mean Surface Temperature Anomalies in the Tropics *M. Zelinka*
- 9:10 am Using TOA fluxes by cloud type to evaluate the CanAM4 *J. Cole*
- 9:30 am Time-Invariance of Low-Cloud Albedo Feedbacks in CMIP3 *N. Gordon*
- 9:50 am High-Resolution Multiscale Modeling Framework Simulation of Low Clouds *K.-M. Xu*
- 10:10 am The Effect of Sastrugi on TOA Albedos from CERES *J. Corbett*
- 10:30 am **Break**
- 10:50 am ScaRaB on the Megha-Tropiques Mission Status *P. Raberanto*
- 11:10 am GERB CM\_SAF Status Report *S. Nevens*
- 11:30 am Ageing Models for Meteosat First Generation Visible Band and the Normalization to Meteosat-7 *I. Decoster*
- 11:50 am A Strategy for Comparison CERES Sensors on Aqua (FM3) and NPP (FM5) *P. Szewczyk*
- 12:10 pm Surface Longwave Radiative Fluxes (LRF) Comparisons Between Surface Radiative Budget (SRB) and the Calipso-CloudSat-CERES-MODIS (CCCM{C3M}) During 2006-2007 *A. Viudez-Mora*
- 12:30 pm **Action Items, Final Discussion** *N. Loeb*
- 12:40 pm **Adjourn**