

Agenda

CERES Science Team Meeting

Pearl Young Theater, Building 1202
NASA Langley Research Center, Hampton, VA
April 22-24, 2014

Major Objectives for the Meeting:

- 1. *Review status of CERES Instruments and Data Products:***
 - Status of NASA & CERES Project
 - CERES Terra, Aqua and SNPP SW/LW/TOTAL Channel Calibration Update
 - CERES FM6 and RBI Update
 - CERES SNPP SSF Edition-1: VIIRS Cloud Algorithm & Validation Status
 - CERES GEO Cloud Algorithm Status
 - CERES Edition-4 ADM Validation status
 - SOFA, SARB and TISA Working Group Reports
 - Data Management Team Update: Terra/Aqua/SNPP
 - Atmospheric Sciences Data Center (ASDC) Update
 - CERES Education Outreach
- 2. *Invited Presentations Session: Each presentation is 45 min.***
- 3. *Contributed Science Reports. Each report is 20 min 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 Ed Kizer (edward.a.kizer@nasa.gov) either before or following the meeting. Desired format is a pdf document.

Dutch Treat Dinner: 6:45 pm Tuesday Evening
(Venue: Baci Italiano Ristorante. Peninsula Town Center, Kilgore Ave., Hampton)

Tuesday, April 22

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CERES Technical Session

8:00 am	Registration at Badge and Pass Office	
8:55 am	Welcome/Meeting Logistics	<i>N. Loeb</i>
9:00 am	State of CERES	<i>N. Loeb</i>
9:30 am	CERES FM1-FM6 Instrument Update	<i>K. Priestley/ S. Thomas</i>
10:15 am	Status of VIIRS On-orbit Calibration	<i>J. Xiong</i>
10:35 am	Break	
11:00 am	CERES Clouds Working Group Report	<i>P. Minnis</i>
11:30 am	Validation of the CERES Edition 4 Angular Distribution Models	<i>W. Su</i>
12:00 pm	Lunch	
1:30 pm	Status of the SW Surface-Only Flux Algorithms	<i>D. Kratz</i>
1:50 pm	Five-Channel Geostationary Cloud Retrievals	<i>R. Palikonda</i>
2:10 pm	Surface Atmospheric Radiation Budget (SARB) Working Group Update	<i>S. Kato</i>
2:40 pm	TISA Working Group Report	<i>D. Doelling</i>
3:10 pm	Break	
3:40 pm	CERES DMT Working Group Report	<i>J. Gleason</i>
4:10 pm	Atmospheric Sciences Data Center (ASDC) Update	<i>C. Harris</i>
4:30 pm	CERES Education and Outreach Overview	<i>S. Crecelius</i>
4:50 pm	Adjourn	

Wednesday, April 23

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8:30 am	Working Group Sessions <i>Angular Modeling (Su et al.)</i> <i>Surface to TOA Fluxes (Kato et al.)</i> <i>Cloud Properties (Minnis et al.)</i>	
9:45 am	Break	
	Invited Science Presentations	
10:15 am	Global Scale Energy Fluxes: Comparison of Observational Estimates and Model Simulations	<i>A. Donohoe</i>
11:00 am	The Antarctic Atmospheric Energy Budget: Observation and Model Simulation	<i>M. Previdi</i>
11:45 am	Lunch	
	Contributed Science Presentations	
1:30 pm	Creating “Intelligent” Climate Model Ensemble Averages Using a Process-Based Framework	<i>N. Baker</i>
1:50 pm	Impact of Diurnal Cycle Simulation on the TOA Flux Mean State and Interannual Variability in CanAM4	<i>P. Taylor</i>
2:10 pm	Comparisons of EBAF Ed2.8 TOA Fluxes with Reanalysis Data Products	<i>T. Wong</i>
2:30 pm	The CERES Flux-By-Cloudtype Simulator	<i>Z. Eitzen</i>
2:50 pm	Break	
3:20 pm	Improvement of Shortwave Radiation Budget by Three-Dimensional Scene Construction Algorithm	<i>S.-H. Ham</i>
3:40 pm	Daily OLR CDR – Development and Evaluation	<i>H.-T. Lee</i>
4:00 pm	Aerosol Retrieval from SNPP/VIIRS: Analysis of Data Quality	<i>I. Laszlo</i>
4:20 pm	Edition 4 Clear-Sky Shortwave Angular Distribution Models over Ocean	<i>L. Liang</i>
4:40 pm	Strategies and Preliminary Results of Comparing FM5 with FM3/FM1	<i>P. Szewczyk</i>
5:00 pm	Adjourn	

Thursday, April 24

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Contributed Science Presentations (Cont'd)

8:30 am	Updates on Extending the CERES Cloud Climate Record Using AVHRR, MODIS, and NASA A-Train Data	<i>K. Bedka</i>
8:50 am	Impact of Drizzle to the MODIS MBL Cloud Microphysics Retrievals During MAGIC and AZORES IOPs	<i>B. Xi</i>
9:10 am	Comparisons of CERES Multilayer Cloud Properties with CALIPSO and CloudSat Data	<i>F.-L. Chang</i>
9:30 am	Empirical Methods to Improve Cloud Water Budget Estimates From Passive Satellite Measurements	<i>W.L. Smith, Jr.</i>
9:50 am	Assessing the CMIP5 Model Simulations of Tropical Clouds and TOA Cloud Radiative Effects	<i>H. Wang</i>
10:10 am	Break	
10:40 am	FLASHFlux Update	<i>P.Stackhouse</i>
11:00 am	The Future of COVE: Operations and Instrumentation After DOE Renovations of the Chesapeake Lighthouse	<i>G. Schuster</i>
11:20 am	A-Train and Reanalysis Data: An Evaluation of the Arctic Energy budget	<i>M. Christensen</i>
11:40 am	Observing Recent Cloud and Radiation Budget Changes over Arctic Sea-Ice	<i>N. Loeb</i>
12:00 pm	Adjourn	