

Agenda

CERES Science Team Meeting

Room W150, Building 34
NASA Goddard Space Flight Center, Greenbelt, MD
September 26-28, 2017

Major Objectives for the Meeting:

- 1. *Review status of CERES Instruments and Data Products:***
 - Status of CERES
 - CERES Terra, Aqua, S-NPP SW/LW/TOTAL Channel Calibration Update
 - CERES FM6 and RBI Update
 - MODIS & VIIRS Cloud Algorithm & Validation Status
 - ADM, SOFA, SARB and TISA Working Group Reports
 - EBAF-TOA & EBAF-SFC Edition4 Updates
 - Data Management Team Update: Terra/Aqua/S-NPP
 - Atmospheric Sciences Data Center (ASDC) Update
- 2. *Invited Presentations Session. Each presentation is 45 min including time for questions.***
- 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 Walt Miller (walter.f.miller@nasa.gov) either before or following the meeting. Desired format is a pdf document.

**Dutch Treat Dinner: 6:30 pm Tuesday Evening
(Franklins, 5123 Baltimore Ave, Hyattsville, MD 20781)**

Tuesday, September 26

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 & RBI Instrument Updates	<i>S. Thomas</i>
10:10 am	Dynamic electro-thermal numerical model of the Radiation Budget Instrument	<i>A. Barki</i>
10:30 am	Break	
11:00 am	CERES Clouds Working Group Report	<i>B. Smith</i>
11:30 am	CERES Angular Distribution Model (ADM) Working Group Report	<i>W. Su</i>
12:00 pm	Lunch	
1:30 pm	Surface-Only Flux Algorithm Working Group Report	<i>D. Kratz</i>
1:50 pm	Surface Atmospheric Radiation Budget (SARB) Working Group Update	<i>S. Kato</i>
2:20 pm	Time Interpolation and Spatial Averaging (TISA) Working Group Report	<i>D. Doelling</i>
2:50 pm	Ed4 Energy Balanced and Filled (EBAF)–TOA	<i>N. Loeb</i>
3:10 pm	Ed4 Energy Balanced and Filled (EBAF)–SFC	<i>Rose/Kato</i>
3:30 pm	Break	
4:00 pm	CERES FLASHFlux Status: Progress toward Version 4A and New GIS-enabled Web Site	<i>P. Stackhouse</i>
4:20 pm	CERES Data Management Team (DMT) Working Group Report	<i>K. Moore</i>
4:50 pm	Atmospheric Sciences Data Center (ASDC) Update	<i>K. Moore</i>
5:00 pm	Citizen Science Cloud Observations	<i>K. Weaver</i>
5:20 pm	Adjourn	

Wednesday, September 27

Contributed Science Presentations

8:30 am	GEOS Integrated Earth System Analysis: Preliminary results with atmosphere-ocean coupling	<i>S. Akella</i>
8:50 am	Utilizing All-Sky Microwave Radiance Data to Improve GEOS-5 Clouds, Precipitation, and Water Vapor Analyses and Forecasts	<i>M.-J. Kim</i>
9:10 am	An Investigation of 2 m Temperature Biases and their Evaluation in GMAO's GEOS-5 Systems	<i>A. Collow</i>
9:30 am	Evaluation of GEOS products with Ed4 SYN and EBAF	<i>Rose/Kato</i>
9:50 am	Clear-sky LW Irradiance Simulation using GMAO Datasets and its Comparison to CERES and Ground Observations	<i>S.-H. Ham</i>

10:10 am Break

Invited Science Presentations

10:40 am	Steps towards an Earth System Data Assimilation Capability in the GMAO	<i>S. Pawson</i>
11:25 am	GMAO Aerosol Assimilation: An Update	<i>A. Da Silva</i>

12:10 pm Lunch

Contributed Science Presentations

1:30 pm	Investigating the Spin-Up of NCEP Climate Forecast Systems with CERES EBAF Products	<i>H.-T. Lee</i>
1:50 pm	Evaluating radiative fluxes in current reanalyses using CERES EBAF TOA and Surface Ed4.0	<i>H. Wang</i>
2:10 pm	Inter-comparison of AIRS Version-6, CERES Edition-4, and MERRA2 OLR time series	<i>J. Susskind</i>
2:30 pm	Long-term aerosol data record continuity from MODIS to VIIRS using Deep Blue algorithm	<i>C. Hsu</i>
2:50 pm	Aerosol properties in cloudy world	<i>T. Varnai</i>

3:10 pm Break

3:40 pm	CERES surface validation overview	<i>D. Rutan</i>
4:00 pm	Status of the GERB products from 0° and over the Indian Ocean	<i>N. Clerbaux</i>
4:20 pm	Deep space observations of oriented ice crystals	<i>A. Marshak</i>
4:40 pm	Patterns in the CERES Global Mean Data	<i>M. Zagoni</i>

5:00 pm Adjourn

Thursday, September 28

Contributed Science Presentations (Cont'd)

8:30 am	Multi-Spectral Consistency Check of the Two-Habit Model	<i>A. Bell</i>
8:50 am	Mapping CrIS Spectral Radiances of CO2 Bands to VIIRS	<i>S. Sun-Mack</i>
9:10 am	Detectability of Arctic Mixed-phase clouds from both surface and satellite remote sensing	<i>B. Xi</i>
9:30 am	Comparison of Daytime Low-Level Cloud Properties Derived from GOES and ARM SGP	<i>X. Dong</i>
9:50 am	Break	
10:20 am	Radiative Effects of MODIS Microphysical and Dynamical Cloud Regimes in Different Aerosol Environments as Seen by CERES	<i>L. Oreopoulos</i>
10:40 am	The Spectral Decomposition of LW Cloud Radiative Feedbacks: Implications for Emergent Constrains	<i>X. Huang</i>
11:00 am	The CERES Flux-by-Cloud Type Simulator	<i>Z. Eitzen</i>
11:20 am	TOA Radiative Flux Diurnal Cycle in Convective Regions from CERES and Reanalysis	<i>B. Dodson</i>
11:40 am	Adjourn	