

Agenda

CERES Science Team Meeting

Pearl Young Theater, Building 2102
NASA Langley Research Center, Hampton, VA
May 9-11, 2023

Major Objectives for the Meeting:

1. ***Review status of CERES Instruments and Data Products:***
 - Status of CERES
 - CERES FM1-FM6 Calibration Update
 - MODIS, VIIRS GEO Cloud Algorithm & Validation Status
 - ADM, SARB, TISA and FLASHFlux Working Group Reports
 - EBAF Update
 - Data Management Team Update: Terra/Aqua/S-NPP/NOAA-20
 - 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.***

To join the meeting virtually, please follow instructions in the following website:

<https://ceres.larc.nasa.gov/science-team-meetings2.php>

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.

Self-Pay Dinner: 6:30 pm Tuesday Evening
(Monsoon Indian Bistro. Peninsula Town Center, 2150 Allainby Way, Hampton)

Tuesday, May 9

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>M. Shankar</i>
10:15 am	Break	
10:45 am	CERES Clouds Working Group Report	<i>B. Smith</i>
11:15 am	CERES Angular Distribution Model (ADM) Working Group Report	<i>W. Su</i>
11:45 am	Lunch	
1:30 pm	Surface Atmospheric Radiation Budget (SARB) Working Group Update	<i>Ham/Kato</i>
1:50 pm	Time Interpolation and Spatial Averaging (TISA) Working Group: Update	<i>D. Doelling</i>
2:20 pm	EBAF Ed4.2 Update	<i>Loeb/Kato</i>
3:00 pm	Break	
3:30 pm	FLASHFLUX Update	<i>P. Stackhouse</i>
3:50 pm	CERES Data Management Team (DMT) Working Group Report	<i>K. DeJwakh</i>
4:10 pm	NASA GLOBE Clouds: One Million Satellite Matches and Counting	<i>M.C. Robles</i>
4:30 pm	Adjourn	
6:30 pm	Dutch Treat Dinner: Monsoon Indian Bistro	

Wednesday, May 10

Invited Science Presentations

9:00 am Forcing, cloud feedbacks, cloud masking, and internal variability in the cloud radiative effect satellite record *S.P. Raghuraman*

9:45 am The Earth's Energy Imbalance in climate models *G. Schmidt*

10:30 am Break

Contributed Science Presentations

11:00 am Decomposition of CRE interannual variability with the FluxByCldTyp dataset *L. Oreopoulos*

11:20 am Observational Assessment of the Trend in Earth's Energy Imbalance *N. Loeb*

11:40 am Uncertainties in the Global Cloud Trends from CALIPSO and CloudSat due to the Sensor Degradation *S. Ham*

12:00 pm Lunch

1:30 pm A consistent depiction of longwave broadband and spectral radiative forcing and feedback from two decades of observations (2002-2022) *X. Huang*

1:50 pm A comparison of CERES Surface albedo in the Arctic with AMIP and CMIP6 model output *D. Kim*

2:10 pm The radiative energy budget of the polar atmosphere in contemporary reanalyses *R. Cullather*

2:30 pm Changes in Arctic Summer Ice Albedo Measured from Global Positioning System (GPS) Satellites *P. Dreike*

2:50 pm Break

3:20 pm The status of the Version 2 VIIRS+CrIS Fusion (FSNRAD) products *E. Borbas*

3:40 pm MODIS/VIIRS calibration update *J. Xiong*

4:00 pm Dark Target v2.0 Aerosol Retrieval for VIIRS SNPP and NOAA-20 *V. Sawyer*

4:20 pm CERES SARB Edition 5 Aerosol Products: MODIS/VIIRS AOD Assimilation with the CAM 6 Modal Aerosol Scheme *D. Fillmore*

4:40 pm Adjourn

Thursday, May 11

Contributed Science Presentations (Cont'd)

9:00 am	The consistency of ice cloud optical models for spaceborne active and passive remote sensing applications	J. Coy
9:20 am	CLARREO Pathfinder-CERES Intercalibration	Y. Shea
9:40 am	Libera Mission Status Update	P. Pilewskie
10:00 am	Libera Science Update	M. Hakuba
10:20 am	Break	
10:40 am	ERBE/ERBS WFOV Nonscanner Data Update	T. Wong
11:00 am	Measuring Upwelling Longwave in the Presence of an Obstruction and Comparing to CERES Data	B. Fabbri
11:20 am	Estimating Global Sea Surface Turbulent Heat Anomalies Based on Energy Balance	B. Lin
11:40 am	EBAF Ed4.2 vs 4.1 & TOA SW Up	M. Zagoni
12:00 pm	Adjourn	