

Agenda

CERES Science Team Meeting

**Rooms 112/113, Building 2102
NASA Langley Research Center, Hampton, VA
October 27-29, 2026**

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
 - Data Management Team Update: Terra/Aqua/S-NPP/NOAA-20
- 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: 6:00 pm Tuesday Evening
(Monsoon Indian Bistro. Peninsula Town Center, 2150 Allainby Way, Hampton)**

Tuesday, October 27

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>
10:00 am	Break	
10:30 am	CERES Clouds Working Group Report	<i>B. Smith</i>
11:00 am	CERES Angular Distribution Model (ADM) Working Group Report	<i>L. Liang</i>
11:30 pm	Surface Atmospheric Radiation Budget (SARB) Working Group Update	<i>Kato/Ham</i>
12:00 pm	Lunch	
1:30 pm	CESM3/CAM7 CERESMIP Simulations	<i>D. Fillmore</i>
1:50 pm	Time Interpolation and Spatial Averaging (TISA) Working Group: Update	<i>D. Doelling</i>
2:20 pm	FLASHFLUX Update	<i>P. Stackhouse</i>
2:50 pm	Break	
3:20 pm	Improving Near-Real-Time CERES Surface Solar Radiative Flux Estimates with Machine Learning	<i>K. Xu</i>
3:40 pm	CERES Data Management Team (DMT) Working Group Report	<i>K. Dejavakh</i>
4:10 pm	Adjourn	
6:00 pm	Self-Pay Dinner: Monsoon Indian Bistro	

Wednesday, October 28

Contributed Science Presentations

9:00 am	The Hazy Role of Aerosols in the Earth's Energy Imbalance Trend	<i>Ø. Hodnebrog (V)</i>
9:20 am	Using CERES observations to constrain climate models	<i>G. Myhre (V)</i>
9:40 am	Update on the evaluation of the BroadBand Radiometer (BBR) products on EarthCARE	<i>N. Clerbeaux (V)</i>
10:00 am	CLARREO Pathfinder: Mission Status	<i>Y. Shea</i>

10:20 am Break

Invited Science Presentations

10:40 am	Recent Temperature and Energy Imbalance Trends Point to Higher Estimates of Future Warming	<i>G. Gyuleva</i>
11:25 am	Ocean energy imbalance in ECCO and its relation to CERES	<i>G. Forget</i>

12:10 pm Lunch

Invited Science Presentations (Cont'd)

1:30 pm	The Polar Radiant Energy in the Far-InfraRed Experiment (PREFIRE): Status and Highlights After Two Years in Orbit	<i>T. L'Ecuyer</i>
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Contributed Science Presentations (Cont'd)

2:15 pm	Complementing CERES Observations of Earth's Energy Imbalance with UVSQ-SAT and INSPIRE-SAT Small-Satellite Missions	<i>M. Meftah</i>
2:35 pm	Libera Mission Status Update	<i>P. Pilewskie</i>
2:55 pm	A Cloud System View of the Changing Planetary Energy Budget	<i>N. Cho</i>
3:20 pm	Break	
3:40 pm	Forcing, Feedback, or Adjustment? Untangling Earth's Energy Budget with Observations	<i>S. Van Loon (V)</i>
4:00 pm	A story about summer onset over the central Arctic as seen from the A-Train era	<i>X. Huang</i>
4:20 pm	Adjourn	

Thursday, October 29

Contributed Science Presentations (Cont'd)

9:00 am	On the Use of Geostationary Imagers as Transfer Radiometers to Inter-calibrate CERES Broadband Radiometers	<i>D. Doelling</i>
9:20 am	SPOT: A Smallsat Mission for High-Resolution Monitoring of Anthropogenic Sulfur Emissions	<i>C. Golja</i>
9:40 am	Libera Earth-Target Simulations	<i>J. Gristey</i>
10:00 am	CERES-Like Global and Regional Top-of-Atmosphere Radiative Fluxes Using Machine Learning Techniques	<i>B. Lin</i>
10:20 am	Set 1 for Cloudy Sky	<i>M. Zagoni (V)</i>
10:40 am	Break	
11:00 am	Inferring Cloud Radiative Response from CERES FluxByCldTyp	<i>N. Loeb</i>
11:20 am	Adjourn	