

Agenda

CERES Science Team Meeting

**Rooms 112/113, Building 2102
NASA Langley Research Center, Hampton, VA
October 28-30, 2025**

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

Tuesday, October 28

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	NASA HQ Update	<i>D. Considine</i>
9:10 am	State of CERES	<i>N. Loeb</i>
9:40 am	CERES FM1-FM6 Instrument Update	<i>M. Shankar</i>
10:25 am	Break	
10:55 am	CERES Clouds Working Group Report	<i>B. Smith</i>
11:25 am	CERES Angular Distribution Model (ADM) Working Group Report	<i>L. Liang</i>
11:55 am	Lunch	
1:30 pm	Surface Atmospheric Radiation Budget (SARB) Working Group Update	<i>Kato/Ham</i>
2:00 pm	AERONET Evaluation of GEOSIT Aerosols for CERES Edition 5 SARB	<i>D. Fillmore(V)</i>
2:20 pm	Time Interpolation and Spatial Averaging (TISA) Working Group: Update	<i>D. Doelling</i>
2:50 pm	Break	
3:20 pm	FLASHFLUX Update	<i>P. Stackhouse</i>
3:50 pm	CERES Data Management Team (DMT) Working Group Report	<i>W. Miller</i>
4:20 pm	The 2025 Aviation Weather Mission: Tracking Contrails with NASA and the Civil Air Patrol	<i>A. Autore</i>
4:40 pm	Adjourn	
6:30 pm	Self-Pay Dinner: Monsoon Indian Bistro	

Wednesday, October 29

Contributed Science Presentations

9:00 am	An update of Arctic OLR trends in the last two decades: how well models can capture them and why?	<i>X. Huang</i>
9:20 am	Simulation of the Arctic Radiator Fin in Global Climate Models	<i>H. Huang(V)</i>
9:40 am	An Overview of the ARCSIX Mission: A Flight Summary and Early Results	<i>P. Taylor</i>
10:00 am	Arctic albedo trends: Drivers and the Missed Warming Signal in Models	<i>K. Doyeon</i>
10:20 am	Break	
10:50 am	Emerging low-cloud feedback and adjustment in global satellite observations	<i>P. Ceppi(V)</i>
11:10 am	Interpretation of observed cloud radiative effect trends with the cloud radiative kernel framework	<i>L. Oreopoulous</i>
11:30 am	A Strong Constraint on Radiative Forcing of Well-mixed Greenhouse Gases	<i>J. Feng(V)</i>
11:50 am	Predicting trend errors in the presence of data gaps in climate data records	<i>M. Richardson(V)</i>

12:10 pm Lunch

Invited Science Presentations

1:30 pm	From Langley's Bolometer to DEMETER: A Brief History and Look to the Future of Earth Radiation Budget Measurements	<i>A. Jarnot</i>
2:15 pm	Variability and Trends in Earth's Radiative Energy Budget from Uvsq-Sat (2021–2024) and CERES Observations (2013–2024)	<i>M. Meftah</i>

3:00 pm Break

Contributed Science Presentations (Cont'd)

3:30 pm	Libera Mission Status and Update	<i>P. Pilewskie(V)</i>
3:50 pm	Progress towards meeting Libera science objectives	<i>M. Hakuba(V)</i>
4:10 pm	Libera Earth Target Simulations	<i>J. Gristey</i>
4:30 pm	Two-Habit Optical Property Model Active-Passive Retrieval Consistency and Updates to Temperature-Dependent Two-Habit Model	<i>J. Coy(V)</i>

4:50 pm Adjourn

Thursday, October 30

Contributed Science Presentations (Cont'd)

9:00 am	ECO Phase 0: progress on angular conversion	<i>S. Dewitte(V)</i>
9:20 am	CERES Instrument Operations Planning for Limited GEOscans	<i>J. Daniels</i>
9:40 am	Using CERES GEOscan Mode Measurements to Place Instruments on Same Radiometric Scale	<i>K. Itterly</i>
10:00 am	25 Years of Data versus Theory: A Complete Briefing (Final Science Report for the CERES Science Team)	<i>M. Zagoni(V)</i>
10:20 am	Anomalous Changes in Earth's Energy Imbalance During the Past Two Years	<i>N. Loeb</i>
10:40 am	Adjourn	