

Agenda

CERES Science Team Meeting

Pearl Young Theater, Building 2102
NASA Langley Research Center, Hampton, VA
May 12-14, 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: 6:30 pm Tuesday Evening
(Monsoon Indian Bistro. Peninsula Town Center, 2150 Allainby Way, Hampton)

Tuesday, May 12

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>
9:15 am	State of CERES	<i>N. Loeb</i>
9:45 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>L. Liang</i>
11:45 am	Lunch	
1:30 pm	Surface Atmospheric Radiation Budget (SARB) Working Group Update	<i>Kato/Ham</i>
2:00 pm	Time Interpolation and Spatial Averaging (TISA) Working Group: Update	<i>D. Doelling</i>
2:30 pm	FLASHFLUX Update	<i>P. Stackhouse</i>
3:00 pm	Break	
3:30 pm	CERES Data Management Team (DMT) Working Group Report	<i>K. DeJwakh</i>
4:00 pm	The GLOBE Clouds and Civil Air Patrol Collaboration for Aviation-Focused Missions	<i>A. Autore</i>
4:20 pm	Adjourn	
6:30 pm	Self-Pay Dinner: Monsoon Indian Bistro	

Wednesday, May 13

Contributed Science Presentations

- 9:00 am Southern Ocean clear-sky brightening from sea spray aerosol increase drives departure from hemispheric albedo symmetry *C. Singer (V)*
- 9:20 am The Earth hemispheric albedo symmetry at 27° E *J. Zhang (V)*
- 9:40 am Emerging low-cloud feedback and adjustment in global satellite observations *P. Ceppi (V)*
- 10:00 am Interpretation of observed cloud radiative effect trends with the cloud radiative kernel framework *L. Oreopoulos*

10:20 am Break

- 10:50 am A further look at the tropical clear-sky OLR trend in the last two decades *X. Huang*
- 11:10 am Sea ice survivability across the Arctic Ocean: Influencing factors and regional variability *P. Taylor*
- 11:30 am Earth Climate Observatory (ECO): Unveiling Earth's energy imbalance to steer climate action *S. Dewitte*
- 11:50 pm New CMIP7 forcing updates impact regional but not global Earth radiation budget trends *C. Fan (V)*

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 *A. Jarnot*
- 2:15 pm Earth radiative budget as measured by Uvsq-Sat constellation since 2021 *M. Meftah*

3:00 pm Break

Contributed Science Presentations (Cont'd)

- 3:30 pm Predicting trend errors in the presence of data gaps in climate data records *M. Richardson (V)*
- 3:50 pm Improved ice crystal optical properties and radiative transfer simulation capabilities in support of satellite remote sensing *P. Yang*
- 4:10 pm Version 2 VIIRS/CrIS Fusion (FSNRAD) radiance product generation: Status and updates *E. Borbas*
- 4:30 am Libera Mission Update *P. Pilewski (V)*
- 4:50 am Progress towards meeting Libera science objectives *M. Hakuba (V)*
- 5:10 pm Adjourn

Thursday, May 14

Contributed Science Presentations (Cont'd)

9:00 am	Regional radiative effects of wildfire smoke: Case studies from the CERES record	D. Fillmore
9:20 am	Aerosol Retrievals from MODIS and VIIRS	R. Levy (V)
9:40 am	Algorithm development for CERES-like TISA radiative flux data product	B. Lin
10:00 am	Using CERES GEOscan mode measurements to place instruments on same radiometric scale	K. Iitterly
10:20 am	Set 1 of CERES Data Products	M. Zagoni
10:40 am	Adjourn	