Agenda

CERES Science Team Meeting

Pearl Young Theater, Building 2102
NASA Langley Research Center, Hampton, VA
May 14-16, 2024

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
   - 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 14

CERES Technical Session

8:00 am	**Registration at Badge and Pass Office**	
8:55 am	Welcome/Meeting Logistics	*N. Loeb*
9:00 am	State of CERES	*N. Loeb*
9:30 am	CERES FM1-FM6 Instrument Update	*M. Shankar*
10:15 am	**Break**	
10:45 am	CERES Clouds Working Group Report	*B. Smith*
11:15 am	CERES Angular Distribution Model (ADM) Working Group Report	*W. Su*
11:45 am	**Lunch**	
1:30 pm	Surface Atmospheric Radiation Budget (SARB) Working Group Update	*Kato/Ham*
2:00 pm	Time Interpolation and Spatial Averaging (TISA) Working Group: Update	*D. Doelling*
2:30 pm	**Break**	
3:00 pm	FLASHFLUX Update	*P. Stackhouse*
3:30 pm	CERES Data Management Team (DMT) Working Group Report	*K. Dejwakh*
4:00 pm	NASA GLOBE Clouds: One Million Satellite Matches and Counting	*M. Colon Robles*
4:20 pm	**Adjourn**	
6:30 pm	**Dutch Treat Dinner: Monsoon Indian Bistro**	

Wednesday, May 15

	Invited Science Presentations	
9:00 am	Testing hypotheses for maintaining Earth's hemispheric albedo symmetry with CERES observations of natural experiments	*M. Diamond*
9:45 am	Radiative buffering of extratropical forcing and feedback	*D. McCoy*
10:30 am	**Break**	
	Contributed Science Presentations	
11:00 am	Earth Radiation Budget Continuity	*N. Loeb*
11:20 am	DEMETER: The next-generation observational platform for measuring ERB	*A. Ashraf*
11:40 am	Overview of the BroadBand Radiometer instrument on EarthCARE, its products and plans for the commissioning	*N. Clerbeaux*
12:00 pm	**Lunch**	
1:30 pm	ENSO radiative feedbacks and their possibility as an emergent constraint	*T. Hanke*
1:50 pm	An update of OLR trend in the last two decades: what do CERES, AIRS, and CrIS tell us all together	*X. Huang*
2:10 pm	What factors explain the current arctic albedo and its future change?	*D. Kim*
2:30 pm	Cloud Radiative Effects in “Clear Sky”: From spectral high-resolution radiance to broadband fluxes	*E. Eytan*
2:50 pm	**Break**	
3:20 pm	Testing the active-passive ice cloud property retrieval consistency of the new THM and a new temperature-dependent database	*J. Coy*
3:40 pm	Single-FOV Uncertainty Estimates of the VIIRS+CrIS Fusion Radiance Products	*E. Borbas*
4:00 pm	A Machine Learning Approach to Determine Surface Radiative Fluxes based on CERES Footprint Observations at Low Latency	*J. Garg*
4:20 pm	SARB Edition 5 Aerosol Products	*D. Fillmore*
4:40 pm	**Adjourn**	

Thursday, May 16

Contributed Science Presentations (Cont'd)

9:00 am	An overview of the Arctic Radiation-Cloud-aerosol-Surface Interaction eXperiment (ARCSIX)	P. Taylor
9:20 am	CERES-only machine learning data product: Overview and recent progress	T. Wong
9:40 am	Status of MODIS and VIIRS Instruments and L1B Products	X. Xiong
10:00 am	CRAVE Operations and Some Challenges at Granite Island	B. Fabbri
10:20 am	The correlated-k method for the gas absorption in the CERES Ed5 flux calculations	S.-H. Ham
10:40 am	**Adjourn**	