Agenda

CERES Science Team Meeting

Lawrence Livermore National Laboratory, Livermore, CA
Building 170, Room 1091/1092
October 1-3, 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.***

Updates to this agenda, meeting logistics, and instructions to join the meeting virtually will be available at the following website:

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

Meeting Presentations
We plan to post meeting presentations to the CERES website following the meeting. If you would rather not have your presentation on a public website, please send an email to Ed Kizer (edward.a.kizer@nasa.gov).

Self-Pay Dinner: 6:30 pm Tuesday Evening
(*First Street Alehouse, 2106 First Street, Livermore, CA)*

Tuesday, October 1

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	*Sun-Mack/Painemal*
11:15 am	CERES Angular Distribution Model (ADM) Working Group Report	*L. Liang*
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*
	Invited Science Presentations	
4:00 pm	E3SM: Lessons from a stubborn model	*C. Golaz*
4:45 pm	**Adjourn**	
6:30 pm	**Self-Pay Dinner: *First Street Alehouse***	

Wednesday, October 2

Invited Science Presentations (Cont'd)

9:00 am	Climate forcing: where we've come from and where we're going	*P. Durack*
9:45 am	Evaluation of cloud feedback components in observations and their representation in climate models	*L.-W. Chao*
10:30 am	**Break**	
11:00 am	Implications of inter-dataset differences in sea surface warming for top-of-atmosphere radiation and feedbacks	*M. Zelinka*
11:45 pm	**Lunch**	

Contributed Science Presentations

1:30 pm	An update on obs4MIPs with a focus on improving the delivery of NASA products for ESM model evaluation	*P. Gleckler*
1:50 pm	WRF-Chem Study of the Aerosol-Cloud-Interactions over the Eastern North Atlantic	*H.-H. Lee*
2:10 pm	Daytime variation in aerosol indirect effect for warm boundary layer clouds in the ENA using cloud retrievals from Meteosat-11	*S. Qiu*
2:30 pm	Direct Observational Evidence from Space of the Effect of CO2 Increase on Longwave Spectral Radiances	*J. Teixeira*
2:50 pm	Can TROPICS observations improve estimates of long-term tropical tropospheric temperature warming?	*S. Po-Chedley*
3:10 pm	**Break**	
3:40 pm	Libera Mission Status Update	*P. Pilewski*
4:00 pm	Libera Science Update and Split-SW research	*M. Hakuba*
4:20 pm	The surface albedo of sea ice in CMIP6 and the implications for the surface albedo feedback	*P. Taylor*
4:40 pm	AI-based spatial and temporal correlation structure analysis of the Earth's albedo using CERES EBAF data	*D. Feldman*
5:00 pm	**Adjourn**	

Thursday, October 3

Contributed Science Presentations (Cont'd)

9:00 am	Cloud-type Mean Cloud Properties of the Tropical Lands and Ocean and the Chimney Zones from 19-Year High-resolution CERES Satellite Data	*K.-M. Xu*
9:20 am	A new temperature-dependent THM ice particle database and analyzing ice cloud property retrieval results of an improved MC6 database	J. Coy
9:40 am	Understanding relationships between satellite, model, and ground-based surface temperature characterizations from overcast to clear conditions	*B. Scarino*
10:00 am	Trend of global mean net atmospheric shortwave and longwave irradiances derived from CERES and MODIS observations	*S. Kato*
10:20 am	Variability in Hemispheric Top-of-Atmosphere Fluxes Observed by CERES	*N. Loeb*
10:40 am	**Adjourn**	