

Agenda

CERES Joint Science Team Meeting

April 26-28, 2022

Virtual Meeting

To join the meeting, please follow instructions in the following website:

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

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
 - CRS Product Update
 - EBAF Update
 - 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.***

Please send an electronic copy of your presentation to Ed Kizer (edward.a.kizer@nasa.gov) at least one day prior to your presentation

Tuesday, April 26 CERES Technical Session

10:00 am	State of CERES	<i>N. Loeb</i>
10:20 am	CERES FM1-FM6 Instrument Update	<i>M. Shankar</i>
10:50 am	CERES Clouds Working Group Report	<i>B. Smith</i>
11:20 am	CERES Angular Distribution Model (ADM) Working Group Report	<i>W. Su</i>
11:50 am	Cloud Radiative Swath Update: Enhancing Level 2 Surface Fluxes with the Fu-Liou RTM & Machine Learning	<i>R. Scott</i>
12:10 pm	Lunch	
1:30 pm	Surface Atmospheric Radiation Budget (SARB) Working Group Update	<i>S. Kato</i>
1:50 pm	Time Interpolation and Spatial Averaging (TISA) Working Group: Update	<i>D. Doelling</i>
2:20 pm	EBAF Update	<i>Loeb/Kato</i>
3:00 pm	Break	
3:20 pm	FLASHFlux Update	<i>P. Stackhouse</i>
3:40 pm	CERES Data Management Team Working Group Report	<i>K. DeJwakh</i>
4:10 pm	GLOBE Clouds: Countdown to a Million Satellite Matches	<i>M.C. Robles</i>
4:30 pm	Adjourn	

Wednesday, April 27

Contributed Science Presentations

10:00 am	Estimation of sea surface heating anomalies during the last two decades	B. Lin
10:20 am	A comparison between CERES TOA radiative fluxes and airborne radiative flux measurement from ARISE	P. Taylor
10:40 am	LW computations for CCCM product	S.-H. Ham
11:00 am	Aerosols in future reanalysis products from the GMAO	A. Collow
11:20 am	Evaluation of GEOS-5 analysis in the spectral dimension	X. Huang

11:40 am Lunch

Invited Science Presentations

1:00 pm	Evolving hemispheric albedo asymmetry	<i>M. Rugenstein</i>
1:45 pm	Exploring the climate response to recent wildfires with CESM and CERES data	<i>J. Fasullo</i>

2:30 pm Break

Contributed Science Presentations (Cont'd)

2:50 pm	Assessing aerosol-cloud interaction and effective radiative forcing over the global ocean	C. Wall
3:10 pm	Quantifying the effects of downward longwave radiation on low clouds (An update)	C. Macpherson
3:30 pm	Why the CLIMCAPS product suite has value in the study of OLR	N. Smith
3:50 pm	Libera mission status and update	P. Pilewskie
4:10 pm	Libera science overview and updates	M. Hakuba
4:30 pm	Adjourn	

Thursday, April 28

Contributed Science Presentations (Cont'd)

10:00 am	CMSAF AVHRR-based CDR of TOA radiative fluxes (CLARA-A3): results and validation	T. Akkermans
10:20 am	Comparison between CERES/AQUA and POLDER/PARASOL shortwave fluxes: analysis of POLDER/PARASOL diurnal extrapolation	S. Guilbert
10:40 am	GERB project status update	E. Baudrez
11:00 am	Centennial total solar irradiance variation	S. Dewitte
11:20 am	Data versus theory: Absolute calibration	M. Zagoni
11:40 am	Break	
12:00 pm	Updates on ice cloud optical property development and study of cloud radiative effects with the use of spherical harmonic functions	J. Coy
12:20 pm	The Version 2 VIIRS+CrIS fusion radiance products	E. Borbas
12:40 pm	CERES TOA flux trends by cloud type	N. Loeb
1:00 pm	Adjourn	