

Agenda

CERES Joint Science Team Meeting

October 12-14, 2021

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
 - 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, October 12 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	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	FLASHFlux Update	<i>P. Stackhouse</i>
3:20 pm	CERES Data Management Team (DMT) Working Group Report	<i>K. DeJwakh</i>
3:50 pm	Adjourn	

Wednesday, October 13

Contributed Science Presentations

10:00 am	Combining the MODIS COSP product with CERES gridded data to evaluate the radiation budget of the GEOS model	L. Oreopoulos
10:20 am	Pattern effect on cloud feedback in CERES	L.-W. Chao
10:40 am	Experiments using CERES observations of the moon to supplement the Cal/Val protocol	K. Priestley
11:00 am	Libera Status and Update	P. Pilewskie
11:20 am	Earth's energy imbalance from the ocean perspective (2005-2019)	M. Hakuba

11:40 am Lunch

Invited Science Presentations

1:00 pm	Observational constraint on cloud feedbacks suggests moderate climate sensitivity	<i>G. Cesana</i>
1:45 pm	Passive microwave sea ice products at NSIDC: Summary of methods and usage	<i>W. Meier</i>

2:30 pm Break

Contributed Science Presentations (Cont'd)

2:50 pm	Introducing the U.S. National Ice Center Interactive Multisensor Snow and Ice Mapping System	W. Clark
3:10 pm	Exploring the use of CERES data for providing observational constraints on Arctic Warming	P. Taylor
3:30 pm	Towards a more realistic representation of surface albedo in NASA CERES satellite products: a comparison with MOSAiC field campaign	Y. Huang
3:50 pm	On the use of CERES SSF dataset to understand different machine-learning algorithms for clear-sky detections in infrared hyperspectral observations	X. Huang
4:10 pm	Improvement of CCCM Irradiance Computations from RelB1 to RelD1	S.-H. Ham

4:30 pm Adjourn

Thursday, October 14

Contributed Science Presentations (Cont'd)

10:00 am	CMSAF AVHRR-based CDR of TOA radiative fluxes (CLARA-A3): preliminary results and validation	T. Akkermans
10:20 am	Exploring Earth's Entropy Production Rate Using CERES Data	G. Gibbins
10:40 am	Status update on GMAO's upcoming GEOS-IT and GEOS-R21C retrospective analyses	G. Partyka
11:00 am	A New Two Habit Model: Changes and Improvements Compared to the Previous Database	J. Coy
11:20 am	Break	
11:40 am	Data versus theory update	M. Zagoni
12:00 pm	Non-Gaussian Distribution of the TOA SW Flux from MISR and CERES	J. Lee
12:20 pm	Trends in Earth's Energy Flows Since 2000	N. Loeb
12:40 pm	Adjourn	