

# Agenda

## CERES Science Team Meeting

September 15-17, 2020

### Virtual Meeting

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

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

#### Major Objectives for the Meeting:

- 1. *Review status of CERES Instruments and Data Products:***
  - Status of CERES
  - NASA HQ Update
  - CERES FM1-FM6 Calibration Update
  - MODIS, VIIRS GEO Cloud Algorithm & Validation Status
  - ADM, SARB, TISA and FLASHFlux Working Group Reports
  - Reintroducing the Cloud Radiative Swath (CRS) Product
  - Data Management Team Update: Terra/Aqua/S-NPP/NOAA-20
  - Atmospheric Sciences Data Center (ASDC) Update
  - Outreach 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, September 15**  
**CERES Technical Session**

10:00 am	State of CERES	<i>N. Loeb</i>
10:20 am	NASA HQ Update	<i>D. Considine</i>
10:30 am	CERES FM1-FM6 Instrument Update	<i>S. Thomas</i>
<b>11:00 am</b>	<b>Break</b>	
11:20 am	CERES Clouds Working Group Report	<i>B. Smith</i>
11:50 am	CERES Angular Distribution Model (ADM) Working Group Report	<i>W. Su</i>
<b>12:20 pm</b>	<b>Lunch</b>	
1:30 pm	A comparative look of OLR from CERES on Aqua and CERES on S-NPP	<i>X. Huang</i>
1:50 pm	Time Interpolation and Spatial Averaging (TISA) Working Group: Update	<i>D. Doelling</i>
2:20 pm	Surface Atmospheric Radiation Budget (SARB) Working Group Update	<i>S. Kato</i>
2:50 pm	Computed Fluxes at the CERES Footprint Level: Reintroducing the CERES Cloud Radiative Swath (CRS) Product	<i>R. Scott</i>
<b>3:10 pm</b>	<b>Break</b>	
3:30 pm	FLASHFLUX Update	<i>P. Stackhouse</i>
3:50 pm	CERES Data Management Team (DMT) Working Group Report	<i>K. DeJwakh</i>
4:20 pm	Sharing Satellite Data with a World of Citizen Scientists	<i>J. Taylor</i>
<b>4:40 pm</b>	<b>Adjourn</b>	

# Wednesday, September 16

## Contributed Science Presentations

9:30 am	Aerosol Direct Radiative Effect During Covid-19	N. Loeb
9:50 am	Observational Evidence of Increasing Global Radiative Forcing in CERES	R. Kramer
10:10 am	Using feedbacks derived from a modified energy balance framework to validate climate models	A. Dessler
10:30 am	Changes in CCCM SW and LW irradiances by using CloudSat 2C-ICE and CALIPSO phase	S.-H. Ham
10:50 am	A Comparison of MERRA-2 Cloud Water Data with Deep Convective Cloud Object Data over Tropical Oceans	D. Duda
<b>11:10 am</b>	<b>Break</b>	
11:30 am	Overview and status of the GERB instruments	J. Moreels
11:50 am	Libera Mission Status Update	P. Pilewski
12:10 pm	Libera Science Objectives beyond L1b	H. Hakuba
12:30 pm	The Absolute Solar-Terrestrial Radiation Imbalance Explorer (ASTERIX) 6U CubeSat mission: a European contribution to the monitoring of the Earth's radiation budget from the morning orbit	L. Schifano
<b>12:50 pm</b>	<b>Lunch</b>	
	<b>Invited Science Presentations</b>	
1:50 pm	Observational-model comparison of the surface albedo feedback and poleward energy transport	<i>A. Donohoe</i>
2:35 pm	GMAO's Plans to Upgrade Products Over the Next Five Years	<i>S. Pawson</i>
<b>3:20 pm</b>	<b>Break</b>	
	<b>Contributed Science Presentations (Cont'd)</b>	
3:30 pm	Updates on a two habit model for the optical properties of ice clouds	P. Yang
3:50 pm	Influence of model parameterization on the representation of Arctic cloud variability	P. Taylor
4:10 pm	Status and initial science results based on use of the VIIRS+CrIS fusion radiance product	B. Baum
4:30 pm	Exploring the MBL cloud and drizzle microphysics retrievals from satellite, surface and aircraft	X. Dong
4:50 pm	Meridional variation of cloud properties over Southern Ocean	B. Xi
<b>5:10 pm</b>	<b>Adjourn</b>	

**Thursday, September 17**  
**Contributed Science Presentations (Cont'd)**

9:30 am	Developing an AVHRR-based CDR of TOA radiative fluxes within the CMSAF Project : SW fluxes	T. Akkermans
9:50 am	Validation of 16 years of broadband radiation data from the GERB instruments	C. Aebi
10:10 am	Dual View Clear-Sky Top-of-Atmosphere Albedo From Meteosat Second Generation Satellites	A. Payez
10:30 am	Developing an AVHRR-based CDR of TOA radiative fluxes within the CM SAF Project : Outgoing Longwave Radiation	N. Clerbaux
10:50 am	Decadal changes of the Earth Radiation Budget components: status of our knowledge and future perspectives	S. Dewitte
11:10 am	Theoretical determination of the Greenhouse Effect	M. Zagoni
<b>11:30 am</b>	<b>Adjourn</b>	