

Agenda

CERES Science Team Meeting

Pearl Young Theater, Building 2102
NASA Langley Research Center, Hampton, VA
April 26-28, 2016

Major Objectives for the Meeting:

- 1. *Review status of CERES Instruments and Data Products:***
 - Status of CERES
 - CERES Terra, Aqua, S-NPP SW/LW/TOTAL Channel Calibration Update
 - CERES FM6 and RBI Update
 - MODIS & VIIRS Cloud Algorithm & Validation Status
 - ADM, SOFA, SARB and TISA Working Group Reports
 - EBAF-TOA & EBAF-SFC Edition4 Updates
 - Data Management Team Update: Terra/Aqua/S-NPP
 - Atmospheric Sciences Data Center (ASDC) Update
 - CERES Communication Activities
- 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.***

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.

Dutch Treat Dinner: 6:30 pm Tuesday Evening
(Monsoon Indian Cuisine. Peninsula Town Center, 2150 Allainby Way, Hampton)

Tuesday, April 26

CERES Technical Session

8:00 am	Registration at Badge and Pass Office	
8:55 am	Welcome/Meeting Logistics	<i>N. Loeb</i>
9:00 am	State of CERES	<i>N. Loeb</i>
9:30 am	CERES FM1-FM6 & RBI Instrument Update	<i>K. Priestley/ S. Thomas</i>
10:15 am	Break	
10:45 am	CERES Clouds Working Group Report	<i>Minnis/Smith</i>
11:15 am	CERES Angular Distribution Model (ADM) Working Group Report	<i>W. Su</i>
11:45 am	Validation of Surface-Only Flux Algorithms	<i>D. Kratz</i>
12:05 pm	Lunch	
1:35 pm	Surface Atmospheric Radiation Budget (SARB) Working Group Update	<i>S. Kato</i>
2:05 pm	Time Interpolation and Spatial Averaging (TISA) Working Group Report	<i>D. Doelling</i>
2:35 pm	CERES Energy Balanced and Filled (EBAF) Edition4 Plans	<i>Loeb/Rose</i>
3:15 pm	Break	
3:45 pm	FLASHFLUX Update	<i>P. Stackhouse</i>
4:05 pm	CERES Data Management Team (DMT) Working Group Report	<i>J. Gleason</i>
4:35 pm	Atmospheric Sciences Data Center (ASDC) Update	<i>J. Kusterer</i>
4:55 pm	Education and Public Participation value to the Science Community and Vice Versa	<i>S. McCrea</i>
5:15 pm	Adjourn	

Wednesday, April 27

Contributed Science Presentations

8:30 am	Validation and research applications of MODIS Edition 4 cloud properties in marine low clouds	<i>D. Painemal</i>
8:50 am	GEOS-5: Update and Plans	<i>S. Pawson</i>
9:10 am	Status of MODIS and VIIRS Instruments	<i>J. Xiong</i>
9:30 am	A continuation of the MODIS dark-target aerosol data record with VIIRS: Status in 2016	<i>R. Levy</i>
9:50 am	AERONET and C3M Evaluation of the MATCH and MERRA2 Aerosol Analyses	<i>D. Fillmore</i>

10:10 am Break

Invited Science Presentations

10:40 am	Using CERES to Provide Observational Constraints on Cloud Feedbacks and Climate Sensitivity	<i>K. Grise</i>
11:25 am	Beneath the Surface: Understanding Sea Level Rise Using CERES and Other Data	<i>J. Fasullo</i>

12:10 pm Lunch

Contributed Science Presentations

1:45 pm	Covariance between Cloud Radiative Effects and Sea Ice	<i>P. Taylor</i>
2:05 pm	Unforced surface air temperature variability and its contrasting relationship with the anomalous TOA energy flux at local and global spatial scales	<i>P. Brown</i>
2:25 pm	What can we gain from the spectral longwave feedback analysis?	<i>X. Huang</i>
2:45 pm	Observation-based cloud radiative kernels from A-Train	<i>Q. Yue</i>

3:05 pm Break

3:35 pm	Application of the CERES Flux-by-Cloud Type Simulator to GCM Output	<i>Z. Eitzen</i>
3:55 pm	Surface energy budget changes during the early 21st century Australian drought	<i>N. Loeb</i>

4:15 pm Adjourn

Thursday, April 28

Contributed Science Presentations (Cont'd)

8:30 am	A look back at the Historical Nimbus 7 Nonscanner Radiation Budget Record	<i>T. Wong</i>
8:50 am	ScaRaB: Status of the absolute calibration and cross comparison with CERES	<i>T. Thiery</i>
9:10 am	Cloud properties over ARM sites	<i>B. Xi</i>
9:30 am	Evaluation of multi-layer cloud detection based on active-passive sensors	<i>A. Viudez-Mora</i>
9:50 am	Break	
10:20 am	Investigation of the effect of Terra orbit drift with surface radiation data	<i>D. Rutan</i>
10:40 am	Sea ice and open water spectral albedo shape derived from ARISE data	<i>A. Radkevich</i>
11:00 am	Broad-band radiative transfer simulations for un- filtering process of radiances from CERES	<i>L. Liang</i>
11:20 am	Adjourn	