Agenda

CERES Science Team Meeting

Pearl Young Theatre, Building 1202
NASA Langley Research Center, Hampton, VA
May 7-9, 2013

Major Objectives for the Meeting:

1. ***Review status of CERES Instruments and Data Products:***
   - Status of NASA & CERES Project
   - CERES Terra, Aqua and NPP SW/LW/TOTAL Channel Calibration Update
   - CERES FM6 and Beyond Update
   - MODIS and VIIRS Calibration Update
   - Terra & Aqua Edition-4 Cloud Algorithm Validation Status
   - CERES Suomi-NPP SSF Edition-1: Cloud Algorithm Status
   - CERES Edition-4 ADM Development status
   - SOFA, SARB and TISA Working Group Reports
   - Status of EBAF TOA and Surface
   - Data Management Team Update: Terra/Aqua/NPP
   - Atmospheric Sciences Data Center (ASDC) Update
   - CERES Education Outreach

2. ***Invited Presentations Session: Observational challenges of closing the surface energy budget.***

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: 6:45 pm Tuesday Evening
(*Venue: Bensi Ristorante Italiano. Peninsula Town Center, Kilgore Ave., Hampton)*

Tuesday, May 7

NASA Langley Research Center, Hampton, VA

CERES Technical Session

8:00 am	**Registration at Badge and Pass Office**	
8:55 am	Welcome/Meeting Logistics	*N. Loeb*
9:00 am	NASA HQ Perspective	*D. Considine*
9:15 am	State of CERES	*N. Loeb*
9:30 am	CERES FM1-FM6 Instrument Update	*K. Priestley/ S. Thomas*
10:15 am	Status of VIIRS On-orbit Calibration	*J. Xiong*
10:35 am	**Break**	
11:00 am	CERES Clouds Working Group Report	*P. Minnis*
11:30 am	Updates on the Edition 4 Angular Distribution Models	*W. Su*
12:00 pm	**Lunch**	
1:30 pm	Status of the Edition 4 Surface-Only Flux Algorithms	*D. Kratz*
1:50 pm	Surface Atmosphere Radiation Budget (SARB) Working Group Report	*S. Kato*
2:10 pm	TISA Working Group Report	*D. Doelling*
2:30 pm	EBAF TOA and SFC Update	*Loeb/Rose*
3:10 pm	**Break**	
3:30 pm	CERES DMT Working Group Report	*J. Gleason*
4:00 pm	CERES Working Group Breakout Sessions	
5:00 pm	**Adjourn**	

Wednesday, May 8

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Invited Science Presentations

8:30 am	Introduction	*N. Loeb*
8:45 am	Surface Radiation Budget from CERES & A-Train	*S. Kato*
9:30 am	Surface Turbulent Heat Fluxes	*C. Clayson*
10:15 am	**Break**	
10:45 am	Mean Global Precipitation and Error Estimates: GPCP, TRMM and CloudSat	*B. Adler*
11:30 am	Observational Challenges and Uncertainties in Estimating Global Precipitation from Satellites	*W. Berg*
12:15 pm	**Lunch**	
1:45 pm	Cloudsat & TRMM Precipitation, Closing the Surface Energy Budget	*T. L'Ecuyer*
2:30 pm	Discussion	
3:00 pm	**Break**	

Contributed Science Presentations

3:20 pm	Surface energy budget estimations based on satellite radiation, turbulence, and precipitation measurements	*B. Lin*
3:40 pm	Comparisons of surface radiative fluxes between CERES EBAF and Reanalysis Data	*T. Wong*
4:00 pm	Improving performance of snowmelt models through use of CERES radiation data	*L. Hinkelman*
4:20 pm	MISR albedo and cloud height changes	*R. Davies*
4:40 pm	Some thoughts on constraining the ice cloud feedback over the tropical Pacific in future climate change	*X. Huang*
5:00 pm	**Adjourn**	

Thursday, May 9

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Contributed Science Presentations (Cont'd)

8:30 am	Examining Cloud 3D Effects on Shortwave Radiance and Irradiance Using A-train Measurements	*S.-H. Ham*
8:50 am	1D and 3D forward radiative transfer models for the EarthCARE mission	*J. Cole*
9:10 am	Improvements to the CERES Sea Ice ADMs	*J. Corbett*
9:30 am	Hadley Circulation Variability Inferred From Longwave Cloud Radiative Effect	*W. Wang*
9:50 am	Distributing Observations and Reanalysis Along with the CMIP5 Model Output: An Update on obs4MIPs and ana4MIPs	*G. Potter*
10:10 am	**Break**	
10:40 am	FLASHFlux Update	*P.Stackhouse*
11:00 am	Development of the MTSAT-1R visible footprint point spread function	*D. Doelling*
11:20 am	Validation of the TISA Edition4 LW narrowband to broadband, ADM, and regional normalization algorithm	*M. Sun*
11:40 am	Variability of Monthly Diurnal Cycle Composites of TOA Radiative Fluxes in the Tropics	*P. Taylor*
12:00 pm	**Lunch**	
1:30 pm	Validation of CERES Ed4 MBL cloud properties over AZORES and DCS clouds over SGP	*X. Dong*
1:50 pm	Overlapping Cloud Retrieval Using VIIRS	*F.-L. Chang*
2:10 pm	Extending the CERES Cloud Climate Record Using MODIS and AVHRR Data	*K. Bedka*
2:30 pm	Applying CERES Aqua ADMs to NOAA 9 scanner observations	*A. Shrestha*

2:50 pm	Unfiltered Radiances Comparisons Between CERES and ScaRaB	*O. Chomette*
3:10 pm	**Break**	
3:40 pm	Assessment of HIRS OLR Intersatellite Calibration Error	*H.-T. Lee*
4:00 pm	S'COOL Update	*P. Lewis*
4:20 pm	ASDC Update	*J. Perez*
4:40 pm	Interannual Variations in Atmospheric Energy and Moisture Budgets	*N. Loeb*
5:00 pm	**Adjourn**	