

Agenda

CERES Science Team Meeting

Scripps Institution of Oceanography, La Jolla, CA
October 29-31, 2013

Location: Robert Paine Scripps Forum for Science, Society and the Environment
8610 Kennel Way (*formerly Discovery Way*), La Jolla, CA 92037
Room 160 - Robert P. Scripps II Conference Room
"Scripps Seaside Forum" also works in Google Maps
Contact Phone: 858-534-5604

Major Objectives of the Meeting

- 1. *Review status of CERES Instruments and Data Products:***
 - Status of NASA & CERES Project
 - CERES Terra, Aqua and SNPP SW/LW/TOTAL Channel Calibration Update
 - CERES FM6 and RBI Update
 - CERES SNPP SSF Edition-1: VIIRS Cloud Algorithm Status
 - CERES GEO Cloud Algorithm Status
 - CERES Edition-4 ADM Development status
 - SOFA, SARB and TISA Working Group Reports
 - Data Management Team Update: Terra/Aqua/NPP
 - Atmospheric Sciences Data Center (ASDC) Update
 - CERES Education Outreach
- 2. *Invited Presentations Session: Each presentation is 45 min.***
- 3. *Contributed Science Reports. Each report is 20 min including time for questions.***
- 4. *Poster Presentation***

"Non-linear temperature response of clear sky OLR relative to surface emission in the water vapor window". J. Eliashiv, Scripps.

Meeting Minutes

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
(Venue: Osteria Romantica, 2151 Avenida de la Playa, La Jolla. (858) 551-1221)

Tuesday, October 29

Scripps Institution of Oceanography, La Jolla, CA

CERES Technical Session

8:30 am	Welcome/Meeting Logistics	<i>N. Loeb</i>
8:35 am	State of CERES	<i>N. Loeb</i>
9:00 am	CERES FM1-FM6 & RBI Instrument Update	<i>K. Priestley/ S. Thomas</i>
10:00 am	Break	
10:30 am	CERES Clouds Working Group Report	<i>Minnis/ Palikonda</i>
11:15 am	CERES Edition 4 Angular Distribution Models	<i>W. Su</i>
12:00 pm	Status of the Shortwave Surface-Only Flux Algorithms	<i>D. Kratz</i>
12:20 pm	Lunch	
2:00 pm	Surface Atmosphere Radiation Budget (SARB) Working Group Update	<i>S. Kato</i>
2:30 pm	TISA Working Group Report	<i>Doelling/Sun</i>
3:15 pm	FLASHFlux Update	<i>Sawaengphokhai</i>
3:35 pm	Break	
4:00 pm	CERES Data Management Team (DMT) Update	<i>C. Harris</i>
4:30 pm	Atmospheric Sciences Data Center (ASDC) Update	<i>J. Gleason</i>
4:50 pm	Status and Overview of CERES Education and Outreach	<i>S. Crececius</i>
5:10 pm	Adjourn	

Wednesday, October 30

Scripps Institution of Oceanography, La Jolla, CA

8:30 am	Working Group Sessions <i>Angular Modeling (Su et al.)</i> <i>Surface to TOA Fluxes (Kato et al.)</i> <i>Cloud Properties (Minnis et al.)</i>	
9:45 am	Break	
	Invited Science Presentations	
10:15 am	Argo and recent advances in measuring ocean heat content	<i>D. Roemmich</i>
11:00 am	Ocean constraints on the Earth's radiative imbalance	<i>J. Willis</i>
11:45 am	Current Hiatus of Global Warming	<i>S.-P. Xie</i>
12:30 pm	Lunch	
	Contributed Science Presentations	
2:00 pm	Looking for climate extremes with AIRS	<i>J. Teixeira</i>
2:20 pm	Albedo decrease caused by vanishing Arctic sea ice: Observational determination using CERES	<i>K. Pistone</i>
2:40 pm	CERES Observations of Cloud Regimes within a Composite Madden-Julian Oscillation	<i>K.-M. Xu</i>
3:00 pm	Scarab-3 on Megha-Tropiques: mission and products status	<i>R. Roca</i>
3:20 pm	Break	
3:50 pm	A two-habit ice cloud model for remote sensing applications and radiative forcing studies	<i>P. Yang</i>
4:10 pm	Improvement of Ed4 Clouds over Ed2 using C3M data	<i>S. Sun-Mack</i>
4:30 pm	CERES VIIRS multilayered cloud property retrieval	<i>F.-L. Chang</i>
4:50 pm	Investigate the Ed4 and Ed2 cloud properties using DOE ARM measurements at Barrow and Atqasuk sites	<i>B. Xi</i>
5:10 pm	Adjourn	

Thursday, October 31

Scripps Institution of Oceanography, La Jolla, CA

Contributed Science Presentations (Cont'd)

8:30 am	Variability of regional TOA flux diurnal cycle composites	<i>P. Taylor</i>
8:50 am	Edition 4 longwave Angular Distribution Models	<i>Z. Eitzen</i>
9:10 am	Novel application of Random Forest method in the CERES TOA radiance classification	<i>B. Thampi</i>
9:30 am	The simulation of interannual variability of subtropical clouds in CMIP3 and CMIP5 models compared to retrievals from CERES, ISCCP, and CALIPSO	<i>T. Myers</i>
9:50 am	Break	
10:20 am	Comparison of CERES EBAF Ed2.7 TOA fluxes with Reanalysis Data	<i>T. Wong</i>
10:40 am	Atmospheric heat transport estimations based on satellite and assimilation data	<i>B. Lin</i>
11:00 am	Observing interannual variations in Hadley Circulation atmospheric diabatic heating and circulation strength	<i>N. Loeb</i>
11:20 am	Adjourn	