

## **Agenda: 25th CERES Science Team Meeting**

**Brussels, Belgium  
January 21-23, 2002**

**with GERB Science Team Meeting following January 23-25, 2002**

**Royal Meteorological Institute of Belgium  
Department of Observations  
Section " Remote Sensing from Space "  
Building B**

### ***Major objectives for this meeting:***

- ***Status of new TRMM and Terra data products in development and validation:***
  - ***TRMM SSF, new ADMs and the answer to a question you didn't know you had.***
  - ***Terra MODIS clouds: early global results, and comparison to ARM-sites.***
  - ***Status of CERES examination of GEOS 3.3.9 data assimilation, plans for GEOS 4.0***
  - ***TRMM SARB beta-CRS results, early TRMM TISA SRBAVG results. These products are planned for Edition 1 validated delivery in April and May 2002***
  - ***Terra long-term calibration stability report***
- ***Science Team Results***
- ***Coordination of meeting with GERB and interaction of CERES/GERB teams***

*We plan to publish the minutes of the meeting electronically, so please send an electronic copy of your presentation to Jennifer Hubble (j.m.hubble@larc.nasa.gov) either before or following the meeting. Suggested format is a pdf document.*

***There will be a joint CERES/GERB Team Dinner Wednesday Night, 8pm at the "Le chou de Bruxelles". The CERES meeting ends 12:30pm Wed, and GERB meeting starts Wed 2:30pm and ends Friday at 2pm. Both in the same location: all are invited to both meetings.***

***Note: some presentation times have shifted within an hour or two from the original agenda: be sure to check the final times: we have a very full meeting!***

## Monday, January 21

8:00 am **Coffee/Tea/Bisquits**

8:30 am Meeting Logistics, Welcome

*S. Dewitte*

8:40 am Meeting Objectives and State of EOS/CERES

*B. Wielicki*

8:55 am CERES-Like on NPOESS

*K. Priestley, B. Wielicki*

9:10 am CERES Data Product Status, Schedules

*B. Wielicki, E. Geier, B. Barkstrom*

9:30 am TRMM/Terra/Aqua Instrument, Calibration Status

*K. Priestley, J. Cooper*

9:50 am GERB/CERES inter-calibration, and  
Multi-angle target looks using special RAP modes

*P. Szewczyk*

10:20 am **Break**

10:45 am TRMM SSF Edition 2 VIRS clouds,  
Terra beta-MODIS clouds, and DAO Tskin Accuracy

*P. Minnis*

11:30 am TRMM Edition 2 ADM/TOA Fluxes

*N. Loeb*

*(subtitle: Said the solar photon to the scientist: what is the diameter of the Earth?)*

12:30 pm **Lunch**

2:00 pm TRMM SSF Edition 2 Surface Fluxes

*D. Kratz, S. Gupta*

2:30 pm Code Changes for TRMM CRS Beta3

*F. Rose, et al.*

CRS Beta 1-2-3 vs. Observations (Surface & TOA)  
Vertical Profiles Mapped with FSW

*T. Charlock, et al.*

3:30 pm **Break**

4:00 pm First tests of TRMM SSF + geo for SRBAVG

*D. Young*

4:45 pm S'Cool Obs comparisons to ES-8 and SSF

*D. Stoddard, D. Young*

5:00 pm **Adjourn**

## Tuesday, January 22

8:00 am **Coffee/Tea/Biscuits**

8:30 am Working Group Sessions

10:00 am **Break**

### **Invited Presentations**

10:30 am GERB: Geostationary Earth Radiation Budget *J. Harries*

11:15 am Hadley Centre Climate Modeling *A. Slingo*

12:00 **Lunch**

### **Co-I Reports**

1:30 pm What CLAMS Tells Us About the Ocean Albedo Measured at COVE *T. Charlock, Jin, F. Rose, K. Rutledge, and Smith*

1:50 pm New CERES Directional Models: Albedo vs Sol Zen *Jeff Boghosia, Dave Young*

2:10 pm Cloud Cover Validation using Ground Based Data *T. Berendes, R. Welch, D. Berendes, E. Clothiaux, E. Dutton, T. Uttal*

2:30 pm Ground-Based Arctic Cloud Properties for Multi-year Comparisons to CERES/MODIS Retrievals *M. Shupe, S. Matrosov, S. Frisch, T. Uttal*

2:50 pm Initial Validation Effort for MODIS Cloud Results Using ARM SGP Data *X. Dong, P. Minnis, S. Sun-Mack E. Clothiaux, J. Liljegren*

3:10 pm **Break**

3:30 pm VIRS vs. AVHRR Aerosols *Ignatov, Zhao, Stowe, Laszlo*

3:50 pm Homogenization of CERES and METEOSAT fluxes: demonstration for the OLR *S. Dewitte*

4:10 pm On the Application of CERES data for Climate Forcing studies *V. Ramanathan*

4:30 pm Direct Aerosol Effect using CERES-TRMM SSF and AERONET observations *J.A. Coakley, Jr., W.R. Tahnk and N.G. Loeb*

4:50pm Trend Detection in Regionally Averaged ERBE Data *B. Weatherhead*

5:10 pm **Adjourn**

## Wednesday, January 23

8:00 am **Coffee/Tea/Bisquits**

### **Co-I Reports Con't**

- 8:30 am Annual Cycle of Surface Radiation and Climate Classification *G. L. Smith*
- 8:50 am Temporal Spectra of Terra SW/LW fluxes *G. L. Smith, T. Wong*
- 9:10 am Convective Mass Fluxes and Tracer Transport *Leo Donner*
- 9:30 am A simple theory of organized convection and tests against observations. *D. Randall, A. Cheng*
- 9:50 am Radiation budget over tropical western pacific ocean *S. Kato*
- 10:10 am A first look of OLR and Arctic Oscillation *S-K. Yang, A. J. Miller and S. Zhou*
- 10:30 am **Break**
- 10:50 am CERES SSF clouds and the IRIS *Lin Chambers, B. Lin*
- 11:10 am Cloud cover variations over the United States: An influence of cosmic rays or solar variability? *Petra M. Udelhofen and R. D. Cess*
- 11:30 am Long-Term Precision of ERBE Nonscanner Data Products *R. B. Lee III, G. L. Smith, J. Paden, K. Bush, D. Pandey, R. Wilson, T. Wong*
- 11:50 am Evidence for Large Decadal Variability in the Tropical Mean Radiative Energy Budget *Wielicki, Wong, Allan, Slingo, Kiehl Soden, Gordon, Miller, Yang, Randall, Robertson, Susskind, Jacobowitz*
- 12:20 pm Summary/Action Items *Barkstrom/Wielicki*
- 12:30 pm **Adjourn**

**Wednesday 2:30PM through Friday 2PM: GERB Science Team Meeting:  
Same Location!**

**Wednesday Evening Joint CERES/GERB Dinner: 8pm,  
“Le chou de Bruxelles”: 30 Euros including wine!**